



QA: QA

Robert W. Craig
Technical Project Officer
U.S. Geological Survey
1180 Town Center Drive
Las Vegas, NV 89144

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY REPORT
(DR) USGS(V)-02-D-023 RESULTING FROM THE BECHTEL SAIC COMPANY, LLC
(BSC) QUALITY ASSURANCE AUDIT BSC-SA-01-031 OF WESTBAY INSTRUMENTS,
INC.

BSC Quality Assurance has verified implementation of corrective action for DR
USGS(V)-02-D-023 and determined the results to be satisfactory. As a result, the DR has been
closed.

If you have any questions, please contact either Richard L. Maudlin at (702) 295-2961 or
Daniel A. Klimas at (702) 295-2665.

A handwritten signature in black ink, appearing to read 'Donald T. Krisha' with a stylized flourish at the end.

Donald T. Krisha, Manager
Quality Assurance

3-5-02

Date Signed

RLM:bw-0305021708

Enclosure:

DR: USGS(V)-02-D-023

*missed
mail*

March 5, 2002

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cc w/encl:

L. H. Barrett, DOE/HQ (RW-2) FORS

L. W. Bradshaw, Nye County, Pahrump, NV

J. R. Dyer, DOE/YMSCO, Las Vegas, NV

W. J. Glasser, NQS, Las Vegas, NV

S. H. Horton, BSC, Las Vegas, NV

D. A. Klimas, BSC, Las Vegas, NV

B. R. Kornegay/B.L. Wilson, BSC, Las Vegas, NV

D. T. Krisha, BSC, Las Vegas, NV

Robert Latta, NRC, Las Vegas, NV

S. W. Lynch, State of Nevada, Carson City, NV

Ram Murthy, DOE/OQA, Las Vegas, NV

D. G. Opielowski, NQS, Las Vegas, NV

J. M. Replogle, DOE/YMSCO, Las Vegas, NV

N. K. Stablein, NRC, Rockville, MD

D. D. von der Linden, BSC, Las Vegas, NV

Engelbrecht von Tiesenhausen, Clark County, Las Vegas, NV

cc w/encl:

M. P. Chornack, USGS, Denver, CO.

M. H. Mustard, USGS, Denver, CO

D. J. Sinks, BSC, Denver, CO

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

8. ☒ DEFICIENCY REPORT
☐ CORRECTIVE ACTION
REPORT

NO. USGS(V)-02-D-023 *PAST*

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DEFICIENCY/CORRECTIVE ACTION REPORT

1. Controlling Document:

Westbay Quality Manual, WB-QA-100-7, dated July 04, 2001

2. Related Report No.:

BSC-SA-01-031

3. Responsible Organization:

USGS/Westbay Instruments, Inc.

4. Discussed With:

J. Divis, D. McCann (Westbay Instruments, Inc.),
T. Chaney (USGS)

5. Requirement:

Westbay Instruments Quality Manual, Section 4.14, states in part: "....The audit may be performed by qualified auditors from within Schlumberger or external organizations when deemed practical."

6. Description of Condition:

Contrary to the above:

No objective evidence could be provided to support the qualification of the Lead Auditor in the performance of Westbay Instruments, Inc. Internal Audit WB-QA-100-7/2001-01 performed on July 07, 2001.

7. Initiator:

For R. L. Maudlin
Richard L. Maudlin

Date *11-07-01*

9. Does a stop work condition exist? (Not required for a DR)

☐ Yes ☒ No

If Yes, Check One: ☐ A ☐ B ☐ C ☐ D

10. Recommended Actions:

It is recommended that immediate action be taken to provide documentation that supports the qualification of Westbay internal auditors.

11. QA Review:

For R. L. Maudlin
QAR Richard L. Maudlin

Date *11-07-01*

12. Response Due Date:

20 Working Days From Issuance

13. DOQA Issuance Approval:

Printed Name Donald T. Krisha

Signature *D. T. Krisha*

Date *11/14/01*

22. Corrective Actions Verified:

For R. L. Maudlin
QAR *R. L. MAUDLIN*

Date *2-25-02*

23. Closure/Approved by:

Robert P. Krisha
DOQA *D. T. KRISHA*

Date *3-5-02*

TYPE RESPONSE:

- ☒ Initial
☒ Complete
☐ Amended

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ORIGINAL

DR/CAR NO.

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RWA 2-25-02

DEFICIENCY/CORRECTIVE ACTION REPORT (RESPONSE)

14a. Immediate Action:

None applicable

Compliance Date:

14. Remedial Actions:

Documentation of the qualifications of the auditor for Internal Audit WB-QA-100-7/2001-01 have been added to the audit file maintained by Westbay.

15. Extent of Condition:

Extent: Audit WB-QA-100-7/2001-01 is the only Westbay internal audit conducted since July 4, 2001, the effective date of Westbay's Quality Manual WB-QA-100-7.

Impact: There is no impact because the auditor was considered by Westbay to be qualified. The deficient condition was that the qualifications were not documented and this is being fixed (see remedial actions). In addition, YMP audit BSC-SA-01-031 conducted October 3-4, 2001 covered implementation of the entire Westbay QA Manual WB-QA-100-7.

16. Cause: (Attach results of root cause determination prepared in accordance with AP-16.4Q for a significant deficiency.)

Westbay personnel did not realize that the auditor's qualifications had to be documented.

17. Action to Preclude Recurrence:

Westbay personnel now understand that auditor qualifications need to be documented.

18. Due Date: complete upon response

- ☐ For submittal of complete response
☒ For completion of corrective action

19. Response by:

M.P. Chornack

Date 12/7/2001

Phone (303) 236-5050 ext. 224

20. Evaluation: ☒ Accept ☐ Partially Accept ☐ RejectQAR *M. Chornack*

Date 01/03/02

21. Concurrence:

DOQA

A. T. Kisha

Date 1/10/02

TYPE RESPONSE:

- ☐ Initial
☐ Complete
☒ Amended

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DEFICIENCY/CORRECTIVE ACTION REPORT (RESPONSE)

14a. Immediate Action:

None applicable

Compliance Date:

14. Remedial Actions:

Documentation of the qualifications of the auditor for Internal Audit WB-QA-100-7/2001-01 have been added to the audit file maintained by Westbay.

Additional back-up documentation for verification purposes is currently being compiled.

15. Extent of Condition:

Extent: Audit WB-QA-100-7/2001-01 is the only Westbay internal audit conducted since July 4, 2001, the effective date of Westbay's Quality Manual WB-QA-100-7.

Impact: There is no impact because the auditor was considered by Westbay to be qualified. The deficient condition was that the qualifications were not documented and this is being fixed (see remedial actions). In addition, YMP audit BSC-SA-01-031 conducted October 3-4, 2001 covered implementation of the entire Westbay QA Manual WB-QA-100-7.

16. Cause: (Attach results of root cause determination prepared in accordance with AP-16.4Q for a significant deficiency.)

Westbay personnel did not realize that the auditor's qualifications had to be documented.

17. Action to Preclude Recurrence:

Westbay personnel now understand that auditor qualifications need to be documented.

18. Due Date: 2/11/2002

- ☐ For submittal of complete response
☒ For completion of corrective action

19. Response by:

for Robert W. Chagnon
 M.P. Chornack

Date 1/10/2002

Phone (303) 236-5050 ext. 224

REF: 60 B33
 1556 649 P2 C
 1/10/02

20. Evaluation: ☒ Accept ☐ Partially Accept ☐ Reject

QAR *[Signature]*

Date 01/11/02

21. Concurrence:

DOQA *[Signature]*

Date 1/16/02

ORIGINAL

TYPE RESPONSE

- ☐ Initial
☐ Complete
☒ Amended

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WASHINGTON, D.C.

DR/CAR NO.

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Date 2-25-02

DEFICIENCY/CORRECTIVE ACTION REPORT (RESPONSE)

14a. Immediate Action:

BSC QA has agreed to schedule annual audits of Westbay.

Compliance Date: 1/28/2002

14. Remedial Actions:

None

15. Extent of Condition:

Extent: Audit WB-QA-100-7/2001-01 is the only Westbay internal audit conducted since July 4, 2001, the effective date of Westbay's Quality Manual WB-QA-100-7.

Impact: There is no impact because BSC supplier audit BSC-SA-01-031, on October 30 through November 01, 2001 was comprehensive regarding the elements required of an approved YMP supplier. The results of the BSC audit only identified one adverse condition relating to the lack of documentation supporting Westbay internal auditor qualifications (this Deficiency Report).

16. Cause: (Attach results of root cause determination prepared in accordance with AP-16.4Q for a significant deficiency.)

Westbay personnel did not understand the need to document auditor qualifications and the need to provide additional training in the audit process to assure that audits performed were defensible.

17. Action to Preclude Recurrence:

Westbay will consider scheduling the necessary audit training of an individual within Westbay or having an adequately qualified external auditor perform internal audits. Until these actions are complete, BSC QA has agreed to schedule an annual BSC supplier audit of Westbay as the required annual internal audit.

18. Due Date: 2/4/2002

- ☐ For submittal of complete response
☒ For completion of corrective action

19. Response by:

M.P. Chornack

Date 2/4/2002

Phone (303) 236-5050 ext. 224

20. Evaluation: ☒ Accept ☐ Partially Accept ☐ RejectQAR *Mandell*

Date 02/24/02

21. Concurrence:

DOQA

Robert P. Krisha
D. T. KRISHA

Date 3-5-02

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8. ☒ DR/CAR
☐ Stop Work Order
NO.USGS(V)-02-D-023
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DEFICIENCY/CORRECTIVE ACTION REPORT/STOP WORK ORDER CONTINUATION PAGE

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF
DR USGS(V)-02-D-023

On February 24, 2002, a follow-up verification was performed to verify implementation of corrective action to Deficiency Report USGS(V)-02-D-023. This follow-up verification was based on a review of the OCRWM Qualified Suppliers List (QSL) database. A review of the Supplier Evaluation Report (SER) in the QSL database, dated 02/20/2002, revealed that Westbay Instruments, Inc. has been placed on an annual audit schedule (Audit Due: 11-01-02) and the audits will be performed by BSC Quality Assurance.

Based on the review of the Westbay Instruments, Inc. SER, this document provides satisfactory evidence of implementation of corrective action.

Based on the above, this DR is considered closed.



FOR Richard L. Maudlin



Date Signed