



QA: QA

Mark T. Peters, Manager
Science & Engineering Testing
Bechtel SAIC Company, LLC
1180 Town Center Drive
Las Vegas, NV 89144

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY REPORT
(DR) BSC(V)-02-D-032 FOR OHIO SEMITRONICS, INC.

BSC Quality Assurance has verified implementation of corrective action for DR
BSC(V)-02-D-032 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. Hand at 702-295-4406 or
Daniel A. Klimas at 702-295-2665.

A handwritten signature in cursive script that reads "D. T. Krisha".

Donald T. Krisha, Manager
Quality Assurance

2/22/02

Date Signed

RLH:bw-0221021569

Enclosure:
DR: BSC(V)-02-D-032

February 22, 2002

Page 2

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. Krishna, 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:

R. W. Andrews, BSC, Las Vegas, NV
M. T. Peters, BSC/LANL, Las Vegas, NV
T. B. Reynolds, BSC, Las Vegas, NV

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

8. DEFICIENCY REPORT
 CORRECTIVE ACTION REPORT
 NO. BSC(V)-02-D-032
 PAGE 1 OF 6
 QA: 12/18/01

DEFICIENCY/CORRECTIVE ACTION REPORT

1. Controlling Document PO 24540-100-PO-00440 dated 5/31/01		2. Related Report No.: NCR #YMSCO-02-0011	
3. Responsible Organization Ohio Semitronics/BSC		4. Discussed With: Mike Rehmert/Cliff Howard	

5. Requirement:
 Section VI, (f) of the Statement of Work for Ohio Semitronics Brand Instruments dated 5/9/01 and 5/30/01 required that calibration certificates include: "Identification of the "as-found" and "as-left" condition including actual measurements..."

6. Description of Condition:
 Contrary to the above requirement, instruments were calibrated on 10/31/01 without recording the "as-found" condition.
 Specifically instruments:

Type	Model #	Serial #
Transducer	AVT-300C	9100150
Integrator	VFC-060/4000	9120356, 9120359, 9120357, 9120358, 9120355
Transducer	PC5-110DY26	9100146, 9100147, 9100145, 9050547, 9081655

This deficiency was discovered during the BSC AP-7.7Q acceptance review of OSI documentation for PO 24540-100-PO-00440

7. Initiator: Norman E. Kramer <i>N. Kramer</i> Date 26 Nov 01	9. Does a stop work condition exist? (Not required for a DR) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Check One: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
---	---

10. Recommended Actions:
 Contact OSI and have them supply the "as-found" information for the affected instruments and revise the calibration reports.

11. QA Review: QAR <i>Richard Howard</i> Date 12/18/01	12. Response Due Date: TEN WORKING DAYS FROM DATE OF ISSUANCE
--	--

13. DOQA Issuance Approval: Printed Name D. T. Krisha Signature <i>D. T. Krisha</i> Date 12/20/01
--

22. Corrective Actions Verified QAR <i>Richard Howard</i> Date 2/16/02	23. Closure Approved by: DOQA <i>D. T. Krisha</i> Date 2/22/02
--	--

TYPE RESPONSE

- Initial
- Complete
- Amended

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

DR/CAR NO. BSC(V)-02-D-032
NUMBER
PAGE 2 OF 2
QA: QA

DEFICIENCY/CORRECTIVE ACTION REPORT (RESPONSE)

14a. Immediate Actions:

As soon as the Project personnel discovered that the Ohio Semitronics (OSI) had not documented the "as found" condition of the instruments sent for re-calibration project personnel contacted OSI and requested documentation for the "as found" information.

Compliance Date: November 2, 2001.

14. Remedial Actions:

BSC directed OSI to assure compliance with their Quality Assurance procedures for calibrations for the Yucca Mountain Project. Ohio Semitronics verbally indicated that their technicians have been indoctrinated in the use of the calibration procedures. Although they could not provide documentation for the "as found" conditions, OSI provided alternative documentation to provide assurance as to the accuracy of the instrumentation.

Completion Date: November 27, 2001

15. Extent of Condition:

This is an isolated occurrence. OSI has always provided "as found" conditions on past calibrations.

Impact: discussion with OSI QA and documentation from OSI indicated that the technician, responsible for the calibration, did not recall any unusual circumstances that may cause alarm or advisement. The technician indicated that the instruments displayed normal response. Based on OSI's discussions with the Technician, it is concluded that the "as found" conditions were within tolerance and there is no impact on previous work.

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

The technician at Ohio Semitronics failed to follow the QA procedure for calibration of the "as-received" instruments.

17. Action to Preclude Recurrence:

OSI indoctrinated their technicians and reinforced the need to document their "as found" conditions and comply with OSI procedures. BSC QA will continue to audit/surveil to ensure that OSI continues to perform to the satisfaction of the OCRWM program.

18. Due Date: ~~January 10, 2002~~ Feb 2/19/02 KAK
 For submittal of complete response
 For completion of corrective

19. Response by: NAME Mark Peters (Hemendra N. Kalia)
 Mark J Peters 2/19/02
 Date: February 19, 2002 Phone: .295-5767

20. Evaluation: Accept Partially Accept Reject

21. Concurrence:
 DOQA *A. T. Kaisha* Date 2/22/02

QAR _____ Date _____

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

8. DR/CAR
 Stop Work Order

NO. BSC(V)-02-032
PAGE 3 OF 6

QA: *19* *2/21/02*

DEFICIENCY/CORRECTIVE ACTION REPORT/STOP WORK ORDER CONTINUATION PAGE

Verification of corrective action.

Review of documentation providing information relative to the "as found" condition of the instruments in question finds that the equipment was in acceptable condition and there was no impact on previous work. In addition the calibration technician has been instructed to follow procedures and include all required information.

This action is considered acceptable to close this DR.


Richard L. Hand

2/21/02
Date Signed



OHIO SEMITRONICS, INC.

PAGE 3⁴ OF 3⁶
1/21/02
85C(U)-02-D-032

4242 REYNOLDS DRIVE • HILLIARD, OHIO 43026
Telephone (614) 777-1005 FAX (614) 777-4511

Bechtel S.A.I.C. Co. LLC.
1180 Town Center Dr.
Las Vegas NV. 89144
Tel: 702-295-6379
Fax: 702-295-3554
Attention: Norm Kramer

February 02, 2002

Subject: RMA # 13199

Norm Kramer,

In an effort to achieve an epilogue for the transcripts depicting the rationalization of RMA # 13199, I make apparent to the inquiries that the associate involved in the inadvertant recalibration of the equipment without registering the pristine data was queried and subsequently made aware of all related scrutiny and interpretation of instructions, transcript generation, and procedural execution of future returned equipment manufactured by Ohio Semitronics. Meliorating our preventive vigilance is tuned in an ongoing process of interdepartmental communication. With this trilogy of documents concerning this RMA I am considering this matter as closed.

Sincerely,

Cory Forler

Inside Sales,

Ohio Semitronics, Inc.



OHIO SEMITRONICS, INC.

PAGE 5 OF 26
BSC(V)-02-D-032
2/2/02

4242 REYNOLDS DRIVE • HILLIARD, OHIO 43026
Telephone (614) 777-1005 FAX (614) 777-4511

Bechtel Saic Co. LLC.
1180 Town Center Dr.
Las Vegas NV. 89144
Tel: 702-295-6379
Fax: 702-295-3062
Attention: Norm Kramer

November 27, 2001

Subject; RMA # 13199

Norm Kramer,
In conversation about the recalibrated set points for the transducers returned, the technician did not recall any unusual circumstances that may cause alarm or advisement. To the best knowledge of our technical staff, the units displayed readings of normalcy for RMA standards. There are no means by which our company can trace these "as received", readings for analysis. Hopefully our reputation for manufacturing quality products will clear problems that may have occurred due to our current oversight with your returned equipment.

Cory Forler

Inside Sales

Michael Rehmer Quality Assurance



OHIO SEMITRONICS, INC.

PAGE 001 of 106
BSC(V)-02-D-032 2/21/02

4242 REYNOLDS DRIVE • HILLIARD, OHIO 43026
Telephone (614) 777-1005 FAX (614) 777-4511

Bechtel Saic Co. LLC.

Norm Kramer,

Concerning the returned units on RMA # 13199 I talked with the department manager about the meaning of "Before was lost", stated on the service report. The technician assigned to the RMA readjusted all of the units without realizing that the instructions required recorded datapoints to reflect the "as received" points. There is no way to retrieve this information and is considered to be "lost".

On behalf of Ohio Semitronics, Inc., I apologize for the mistake.

The units have been Recalibrated to meet our specs, and are traceable to N.I.S.T. Please call if you have any additional concerns related to this RMA.

Best Regards,

Cory Forler

Inside Sales Coordinator,
Ohio Semitronics, Inc.

THE LEADER IN POWER MEASUREMENT