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# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## CORRECTIVE ACTION REQUEST

CAR No. 93-2

Associated AR,SR,NCR NO. Audit 93-1

### PART 1: DESCRIPTION OF CONDITION ADVERSE TO QUALITY

A Nonconformance Report was not written in response to Out-of-Tolerance Notice issued on July 21, 1992 for a Pronto Torque Wrench, Serial No. A90687. This is contrary to the requirements of Section 12, Paragraph 12.7(1) of the CNWRA Quality Assurance Manual. See attached notice.

*T.C. Trbovich*

Initiated by: Thomas C. Trbovich

Date: May 7, 1993

### PART 2: PROPOSED ACTION

Responsible Element Manager: P. Nair

#### a) Root Cause:

The Institute calibration lab did not notify the CNWRA Q.A. personnel regarding the out-of-tolerance notice, and the principal investigators were not aware of the requirement to write a nonconformance report.

#### b) Corrective Action to Preclude Recurrence:

- The CNWRA Q.A. personnel will notify the Institute calibration lab to inform them of future nonconformance notices.
- The principal investigators will inform other PIs in the future when out-of-tolerance items are found and nonconformance reports are written.
- The torque wrench was not used in the period between the previous calibration and the time of the out-of-tolerance finding. This torque wrench will be removed from use for quality affecting work. Target Date for Completion: 5/28/93

Response provided by: *Rose*

Date: 5/21/93

### PART 3: APPROVAL

Comments/Instructions: Accepted.

Director of QA: *Shirley Malambo*

Date: 5/21/93

### PART 4: VERIFICATION OF CORRECTIVE ACTION IMPLEMENTATION

*memo to cal lab requesting CNWRA QA notification of out-of-tolerance prepared 5/24/93.  
Removal of torque wrench from calibration system 5/26/93*

Verified by: *R. B. Burt*

Date: 6/4/93

S O U T H W E S T   R E S E A R C H   I N S T I T U T E

Department of Quality Assurance  
Calibration Laboratory

OUT OF TOLERANCE NOTICE

Date: 07/21/92

The following instrument was out of tolerance when submitted for calibration.

Issued to: DIV20 B168 NARASI SRIDHAR

Device No: 1442

Manufacturer: PRONTO

Model: 6062-5

Nomenclature: TORQUE WRENCH

Serial Number: A90687

SwRI No: NONE

Remarks

Accuracy: MFGR SPECS

Calibration Interval: 6 months

DEVIATION

Entry Date: 07/21/92

Last Valid Calibration: 02/14/92

Remarks

Out of tolerance:

Tolerance: +/- 4%

Wrench Setting

As Received

Final Reading

10 in.lb.

10

10

25 "

27

25

50 "

55

50

100 "

105

99

150 "

160

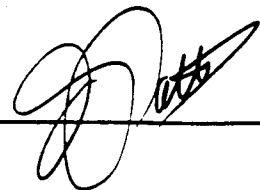
151

200 "

214



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Signed



cc: Manager, QA


# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

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## MEMORANDUM

May 26, 1993

To: Jim Patterson, SwRI Instrument Calibration and Repair Facility

From: Narasi Sridhar, CNWRA 

Subject: Withdrawal of Torque Wrench from Quality Affecting Tests

Reference: CNWRA Audit 93-1, Memorandum by B. Mabrito (May 24, 1993)

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This is in reference to Proto Torque Wrench, Serial No. A90687, which has been found to be out of tolerance in a couple of calibration cycles, but within tolerance in others. Currently we do not understand why this wrench goes out of tolerance because it has not been used in any tests to our knowledge since the inception of the project. The other torque wrench which we have been using routinely has not been subject to these instabilities. However, because of this we wish to discontinue the usage of Proto Torque Wrench Serial No. A90687 in any quality-affecting work (we may use it to perform other non-quality affecting tasks such as tightening autoclaves etc. the parameters of which will not enter in any data interpretation).

By this memorandum, I request that this wrench be removed from your calibration logs immediately (perhaps you can also supply us a suitable label to mark the wrench so that it is not used in any quality-affecting work accidentally). If you have any questions, please feel free to contact me.

Thank you.

- cc: P. Nair
- D. Dunn
- B. Mabrito
- G. Cragnolino
- B. Sagar
- W. Patrick

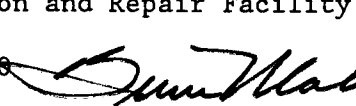
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# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

MEMORANDUM

May 24, 1993

TO: Jim Patterson, SwRI Instrument Calibration and Repair Facility

FROM: Bruce Mabrito, Director of QA/Division 20 

SUBJECT: Notification of Out-of-Tolerance Conditions

REFERENCE: CNWRA Audit 93-1, Corrective Action Request 93-2

In the recent CNWRA annual audit, a Corrective Action Request was generated when it was noted by the auditors that a nonconformance report was not written in response to an out-of-tolerance calibration notice issued by the SwRI Calibration and Repair Facility. Specifically, our CNWRA Quality Assurance Manual states: "Whenever an item of measuring or test equipment is found out-of tolerance, a nonconformance report shall be initiated in accordance with CQAM Section 15. An evaluation of the out-of-tolerance condition shall be made to determine if measurements made since the last valid calibration were adversely impacted." Such nonconformance reports can of course be written by CNWRA technical staff.

The purpose of this memorandum is to formally request that if measuring or test equipment from Division 20 is found in an out-of-tolerance condition, the Principal Investigator be first notified, then the Division 20 Quality Assurance group. The Division 20 QA staff will then be in a better position to monitor such instances to ensure the CQAM is followed.

If there is a problem or difficulty in accomplishing this action, please let me know immediately. My extension is 5149. Thanks for your continued cooperation.

Attachment/

cc: W. Patrick  
 CNWRA Element Managers  
 CNWRA Directors  
 CNWRA Principal Investigators  
 R. Brient  
 A. Whiting/T. Trbovich/D. Dunavant/cc30  
 CNWRA QA Records