

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

44/93

NONCONFORMANCE REPORT

Project No. 20-01402-571

NCR No. 2001-10

PART 1: DESCRIPTION OF NONCONFORMANCE

Thermometer H98-179 Model # 15-166A (Asset number 007169) was found to be out of tolerance during a normally scheduled calibration.

Initiated by: Darrell S. Dunn

Date: 5/8/2001

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

Accept data obtained in tests using this thermometer as is.

Basis of Disposition:

The thermometer had an error greater than 1.0 degrees at 150 °C. However, the thermometer was within calibration for the temperature range from 0 to 100 °C. Tests conducted with the thermometer were conducted in the range of 20 to 95 °C. Over this temperature range, the instrument error was, at most, 1.0 degrees. A 1.0 degree error in temperature is acceptable and in general an error in test temperatures of less than 2 °C will not adversely affect the parameters measured during testing.

Action to Correct Nonconformance:

Bubbles in the mercury column were removed by SwRI calibration lab staff and the thermometers were recalibrated. A copy of the out of tolerance report was placed in the calibration records file. All laboratory staff will be instructed not to store or position thermometers horizontally. All thermometers should be positioned and stored vertically with the mercury bulb facing down.

Target date for completion: 5/14/2001

Proposed by: D. Dunn

Date: 5/8/2001

PART 3: APPROVAL

Element Manager: [Signature]

Date: 5/8/01

Director of QA: [Signature]

Date: 5/8/2001

Comments/Instructions:

Review of Thermometer storage required.

PART 4: CLOSE OUT

On 5/15/2001 a review was performed on the storage of laboratory thermometers. The review found the thermometers to be stored in the vertical position with the mercury bulb facing down as described in the action to correct the nonconformance. No further action is required.

Distribution:

- QA Records
- D. Dunn
- Element Managers
- B. Sagan, H. Garcia
- M. Ehrstrom/30

Verified by: [Signature]

Date: 5/15/2001

