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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20-01402-571

NCR No. 2002-07

PART 1: DESCRIPTION OF NONCONFORMANCE:

Fowler 8" caliper (serial Number 20-8C-1 Asset Number 002185) was found to be out of tolerance during a normally scheduled calibration.

Initiated by: Darrell S. Dunn *Darrell S. Dunn*

Date: 7/15/2002

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

Accept data obtained in tests using this instrument as is. Replace Caliper.

Basis of Disposition:

Out of tolerance condition is limited to inside dimension measurement jaws. Error ^{65 TH} measurements are less than 0.005", which is one of the tightest dimensional tolerances for test specimens and other components with critical dimensions.

65 TH 7/16/02

Action to Correct Nonconformance:

Replace Calipers. Damage to jaws is not repairable.

Target date for completion: 7/31/2002

Proposed by: Darrell S. Dunn *Darrell S. Dunn*

Date: 7/15/2002

PART 3: APPROVAL

Element Manager: *[Signature]* Date: 7/16/02

Director of QA: *[Signature]* Date: 7/16/02

Comments/Instructions:

PART 4: CLOSE OUT

Comments: *No further action required.*

Distribution: *all EMs
Technical Director
D. Dunn*

Verified by: *[Signature]* Date: 7/10/02

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To: Darrell Dunn, Div 20, And Bldg 57.**From:** Walt Hill, Metrology Group Leader
Institute Calibration Laboratory**Date:** Jun. 17, 2002**Subject:** Out-of-tolerance Notice

OUT OF TOLERANCE

The purpose of this notice is to alert you of a condition, which may have caused erroneous measurements affecting safety or the quality of products or services your organization provides. The attached as-found readings are provided for your evaluation to determine if the instrument listed below had an impact and if further action is required.

OUT OF TOLERANCE

When the as-found results are near the specification limit, +/- a margin less than the measurement uncertainty, it is not possible to state in-tolerance or out-of-tolerance with a 95% level of confidence. It is the Institute Calibration Laboratory policy that the client is made aware of this situation because the end-user is taking some of the risk that the instrument listed below may not meet the end-user measurement requirements.

OUT OF TOLERANCE

Your review/evaluation should be conducted in accordance with your organizational quality policy and procedural requirements. If we can be of further assistance, please contact the Calibration Laboratory at 522-5215.

OUT OF TOLERANCE

Manufacturer: Fowler & NSK **Model:** 52-008-008**Description:** 8" Dial Caliper**Serial Number:** 20-8C-1**Asset Number:** 002185**User ID Number:**

OUT OF TOLERANCE

Last Calibration: Dec. 31, 2001**Date Received for Service:** Jun. 14, 2002 **Work Order Number:** 444049039**Service Requested:** Scheduled calibration

OUT OF TOLERANCE

Remarks: As found inside data point was out of tolerance. Inside jaws appear to have been bent, cannot fix problem. Limited calibration to not use inside function of caliper per phone conversation with Darrell Dunn.

OUT OF TOLERANCE