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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20-01402-571

NCR No. 2000-04

PART 1: DESCRIPTION OF NONCONFORMANCE

Proto torque screwdriver model 6104 SN 314047 (Asset number 004092) was found to be out of tolerance during a normally scheduled calibration. In the out of tolerance condition, the actual applied torque was less than indicated. The torque screwdriver was subsequently repaired by Proto and received after repair in tolerance.

Initiated by: Dwight Dunn
Action Required by: Dwight Dunn

Date: 6/13/2000

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

Accept as is. The torque screwdriver is used to attach crevice forming washers to test specimens and apply torque to test cell hardware.

Basis of Disposition:

The initiation and repassivation of crevice corrosion on Ni-base alloys at elevated temperatures is not sensitive to the applied torque used to attach Teflon crevice forming washers. Higher torque causes increased creep of the Teflon crevice forming washer. Tests conducted at the CNWRA have used applied torque in the range of 40 to 60 in-oz. Applied torque to test cell hardware is not a factor in the outcome of tests as long as the test cell does not leak. Compression of the O-ring under lid of the test cells and sealing of the test cells would not be affected by the out of tolerance condition.

Action to Correct Nonconformance:

Continue with normally scheduled calibration intervals

Target date for completion: 6/20/2000

Proposed by: Dwight Dunn

Date: 6/14/2000

PART 3: APPROVAL

Element Manager: Wayne J. Fox NS Date: 6/14/00

Director of QA: Gene Maluda Date: 6/14/2000

Comments/Instructions:

PART 4: CLOSE OUT

Comments: No other activity/actions are required.

Verified by: Dwight Dunn Date: 6/15/2000

Distribution: orig To QA Records

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