

1/1

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20.06002.01.322

NCR No. 2005-06

PART 1: DESCRIPTION OF NONCONFORMANCE:

The current measuring resistors used with two potentiostats were damaged from a current overload condition. Damage to the current measuring resistors results in significant errors in current measurements.

Initiated by: Darrell S. Dunn

Date: 3/24/2005

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

A total of 8 tests documented in Scientific Notebook 672 are affected by the out of tolerance condition.

Basis of Disposition:

Data obtained with the affected instruments was reviewed. A performance verification was conducted on 7/15/04 and is documented in Scientific Notebook 308. Results of tests conducted through 10/21/04 are consistent with previous tests under using similar material and test conditions. Data obtained in tests conducted after 10/21/04 is erratic. The unusual character of these results was documented in Scientific Notebook 672 at the time of the tests.

Action to Correct Nonconformance:

The current measuring resistors were replaced and checked with a calibrated multimeter (Model Fluke 87III, Serial Number 73980497, Asset Number 007646, Calibrated 1/17/05, Calibration Due: 1/17/06). Performance verifications (TOP-022) were conducted and documented in Scientific Notebook 308.

A notation will be included on each entry in Scientific Notebook 672 to indicate that the data is invalid. Each entry will reference NCR 2005-06. Data from these tests will not be used in any analyses or model.



Target date for completion: 4/11/2005

Proposed by: Darrell S. Dunn and Xihua He

Date: 3/25/2005

PART 3: APPROVAL

Element Manager: 

Date: 3/25/2005

Director of QA: 

Date: 3/28/2005

Comments/Instructions:

PART 4: CLOSE OUT

Comments:

Notations have been placed in Scientific Notebook 672 on each of the 8 tests performed after Oct. 21, 2004. Each notation references this nonconformance report and indicates the data is not to be used.

Verified by: 

Date: 4/28/05

Distribution: