



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

QUALITY ASSURANCE

SURVEILLANCE REPORT

PROJECT NO.: 20-3704-041

REPORT NO.: 91-08

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SURVEILLANCE SCOPE:

Long Term Pitting Corrosion Tests - ASTM G-61 Verification IWPE Task 1

REFERENCE DOCUMENTS: TOP-008, QAP-001

STARTING DATE: 6/20/91

ENDING DATE: 6/20/91

QA REPRESENTATIVE: R.D. Brient *RDB*

PERSONS CONDUCTING TEST / EXAM / ACTIVITY:

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SATISFACTORY FINDINGS: See attached.

1. Scientific Notebook #025 Initial entries for the Subject test series and in-process entry for the G-61 verification were confirmed as meeting QAP-001 and TOP-008, paragraph 6.1

2. This series of tests utilizes the ESC Multichannel Potentiostat Model 440 (S/N 9029127, calibrated 1/16/91 thru 7/16/91) and workbench PC software. Other equipment used were the Keithley Model 614 (S/N 467374, Calibrated 12/31/90 thru 7/1/91) and micrometer (S/N SW20-M-1, calibrated 4/19/91)

UNSATISFACTORY FINDINGS:

None

NONCONFORMANCE REPORT NO.: N/A

ATTACHMENTS: None

RECOMMENDATIONS / ACTIONS None

APPROVED: *Donna Malanda*

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 7/1/91

DISTRIBUTION:

ORIGINAL - CENTER QA DIRECTOR
ORIGINATOR

PRINCIPAL ENGINEER *N. S. D. H. A. R.*
ELEMENT MANAGER *P. N. A. R.*
W. Patrick

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thru 10/19/91).

3. Sample preparation, solution preparation, and conduct of the verification test were in accordance with TOP-008 and ASTM G-61. The sample used was 304SS, heat T0954, as specified by TOP-008 and G-61.
4. Acceptable results of this verification test validated the data acquisition system as well as the Potentiostat calibration.
5. No deviations from procedure requirements were identified.