

4/13/90



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-3704-022

REPORT NO.: 90-002

PAGE 1 OF 2

SURVEILLANCE SCOPE:

Thermohydrology Research Project: Separate Effects Experiment - Test #3

REFERENCE DOCUMENTS: QAP-001

STARTING DATE: 3/29/90

ENDING DATE: 3/29/90

QA REPRESENTATIVE: R. D. Brient *[Signature]*

PERSONS CONDUCTING TEST / EXAM / ACTIVITY:

S. Svedman (04)

SATISFACTORY FINDINGS:

See attachment.

UNSATISFACTORY FINDINGS:

None

NONCONFORMANCE REPORT NO.:

N/A

ATTACHMENTS:

None

RECOMMENDATIONS / ACTIONS

None

APPROVED: *[Signature]*

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 4/9/90

DISTRIBUTION:

ORIGINAL - CENTER QA DIRECTOR

ORIGINATOR

PRINCIPAL ENGINEER S. Svedman (04)

ELEMENT MANAGER J. L. Russell

R. Green

5/3/6

SATISFACTORY FINDINGS:

1. Verified Scientific Notebook entries as complying to QAP-001.
2. Verified calibration status of voltmeter HP3458A S/N 9674 (calibration due 12/22/90). Calibrations before use (temperature, pressure, X, Y position) have not changed from initial entries prior to test #1. Verified channel assignments from sensor to computer screen by increasing temperature on the temperature sensor on channel 209 and watching the computer read out. Verified connections of pressure sensors to the proper ports.
3. Witnessed the densitometer scan with dry beads (0% saturation), which reestablished a baseline after the following test cell modifications were made:
 - a) A centrally located bolt was added to the cell to help control bowing of the acrylic panels, and
 - b) Polystyrene insulation board was added to the two faces of the cell to help control heat loss.
4. Witnessed water addition through a centrally located port. Photographs were taken to track flow patterns.
5. In-process Laboratory Notebook entries were made to record observations during the course of the test.
6. No deviations from applicable requirements were identified.