

18/34



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: Mechanical Testing of Tuff REPORT NO.: 90-009 PAGE 1 OF 1

SURVEILLANCE SCOPE: 1. Review of storage handling and preparation of specimens for the Strain Gage installation. (Ref. Appendix A.1)
2. Review of Uniaxial Compressive strength testing.

REFERENCE DOCUMENTS: QA Program for Mechanical Characterization of Tuff-Appendix A.1

STARTING DATE: July 30, 1990 ENDING DATE: July 30, 1990

QA REPRESENTATIVE: Dr. James G. McCray *James G. McCray*

PERSONS CONDUCTING TEST / EXAM / ACTIVITY: 1. Bob Armstrong - Strain Gage Installation
2. Bob Armstrong and Farid Abdul - Handling of specimens and Uniaxial Compressive Strength Testing

SATISFACTORY FINDINGS:
The test procedures as stated in Appendix A.1 of QA Program were being followed.
The only exception is that heat was not applied as stated in Step 7 to drive out oils, moisture and solvent (Procedures). Bob Armstrong said that it wasn't necessary. I observed Specimen SRM - 15.3.4-B-2 fail at 4500 lbs. This was the first installation of the strain gages and use of the Versa Tester on Center Tuff. All measurement instruments had been recalibrated in June or July, 1990.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO.: NONE

ATTACHMENTS: NONE

RECOMMENDATIONS / ACTIONS: None

APPROVED: *Samuel Kalish*
CENTER DIRECTOR OF QUALITY ASSURANCE
DATE: 8/7/90

DISTRIBUTION:
ORIGINAL - CENTER QA DIRECTOR
ORIGINATOR J. McCray - UQA
PRINCIPAL ENGINEER S. HSUING
ELEMENT MANAGER A. Chowdhury
J. DREMER - UQA