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# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-3704-032      REPORT NO.: <sup>91-15</sup>~~91-05~~ *11/15/91*      PAGE 1 OF 2

**SURVEILLANCE SCOPE:**

Dynamic Shear Test of Jointed Rock Specimens, Seismic Rock Mechanics TASK 2

REFERENCE DOCUMENTS: QAP-001

STARTING DATE: 11/13/91      ENDING DATE: 11/13/91

QA REPRESENTATIVE: R.D. Brient *RDB*

**PERSONS CONDUCTING TEST / EXAM / ACTIVITY:**

M. Ahola, P.I., A. Pickens (Division 04)

SATISFACTORY FINDINGS: see page 2

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO.: None

ATTACHMENTS: None

**RECOMMENDATIONS / ACTIONS**

APPROVED: *[Signature]*  
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 11/15/91

**DISTRIBUTION:**

ORIGINAL - CENTER QA DIRECTOR  
ORIGINATOR  
PRINCIPAL ENGINEER *AHOLA*  
ELEMENT MANAGER *CHOWDHURY*  
*MSVING*

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**Satisfactory Findings:**

1. The tests of jointed rock specimen 15.5.7/15.4.6(2) were observed. The tests included normal loading, combined normal loading and pseudostatic shear, and stepped velocity. The tests were documented in Scientific Notebook control number 016, starting on page 59. This was the second specimen tested since resumption of Task 2 activities in September 1991.
2. The calibrations performed prior to the testing of the first specimen of this series (in October 1991) applied to these tests. These and earlier calibration records have been submitted and processed into the QA records storage.
3. The Scientific Notebook entries for this specimen were reviewed, and included grouting of the blocks, profiling the rock surfaces, mounting instrumentation, and data acquisition channel assignments. File names for profile data and loading test were identified. Input parameters for the load controller were provided by the P.I. and were recorded.
4. The P.I. was recommended to periodically review notebook entries, and to document his review in the notebook. This also provides evidence of his participation during the tests.
5. No deviation from procedure requirements were identified.