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TESTING PERSONNEL TRAINING, QUALIFICATION AND CERTIFICATION	PREPARED BY: <u>Andrew Pitzel</u>			4/19/83 DATE
	APPROVED BY: <u>[Signature]</u>			4/25/83 DATE

1.0 REFERENCES

1-A CP-QP-2.1, "Training of Inspection Personnel"

2.0 GENERAL

The purpose of this procedure is to set forth the minimum requirements for training, qualification and certification for personnel performing testing duties at CPSES for the Construction QA organization.

Because much of the testing will be of an original nature, the primary method of testing will be oral. These tests shall be administered by the TUGCO QA Supervisor or his designee.

3.0 PROCEDURE

3.1 QA TEST TECHNICIAN FUNCTIONS (LEVEL I)

Test Technicians shall be certified in accordance with Reference 1-A. The Technician shall possess sufficient knowledge of the material, equipment and test criteria to satisfactorily complete the test. Typical duties performed by a Technician shall include, but are not limited to, the following:

- a. Collection of material used in the test;
- b. Machine set-up;
- c. Assembly of test apparatus, and;
- d. Manipulation of equipment necessary to conduct the test.
- e. Recording of test data per written procedures/instructions.

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3.2 QA TEST INSPECTOR FUNCTIONS (LEVEL II)

Test QC Inspectors shall be certified, where applicable, in accordance with Reference 1-A. The Inspector shall possess sufficient knowledge of the material, equipment and test criteria to satisfactorily complete the test. Typical duties performed shall include, but are not limited to, the following:

- a. Collection of material used in the test;
- b. Assembly of test apparatus;
- c. Machine set-up;
- d. Manipulation of equipment necessary to conduct the test;
- e. Collection or analysis of raw test data, and;
- f. Preparation of initial test reports.

3.3 QA TEST ENGINEER (LEVEL II)

The QA Test Engineer shall have the requisite education and job knowledge to satisfactorily prepare, conduct and analyze test data to determine product quality. Typical duties shall include, but are not limited to, the following:

- a. Definition of required tests;
- b. Test plan preparation;
- c. Direction of test Technicians and Inspectors;
- d. Performance of Engineering calculations;
- e. Review of Engineer data provided by others, and;
- f. Preparation of formal reports.

3.4 CERTIFICATION

The certification of test personnel shall be documented per Reference 1-A. The period of certification shall be for three years.