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CONTROL OF MEASURING AND TEST EQUIPMENT	PREPARED BY: <u>W. P. [Signature]</u>			10/30/79 DATE
	APPROVED BY: <u>[Signature]</u>			11/79 DATE

CONTROL NO. m-002

1.0 REFERENCE

1-A Procedure CP-QP-16.0, "Nonconformances and Deficiencies"

2.0 GENERAL

This procedure outlines responsibilities and basic requirements for a calibration program to control and verify the accuracy of Measuring and Test Equipment (M&TE) which may be used to assure that material, parts and components installed or used at Comanche Peak Steam Electric Station are in conformance with prescribed technical requirements, and that data provided by testing and inspection are valid. This procedure is not applicable to M&TE used in inspections and tests of items falling under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 GENERAL REQUIREMENTS

The B&R CPSES Calibration Facility has been delegated the responsibility for calibrating measuring and test equipment used to perform inspection and tests within the scope of this procedure.

A documented program shall be established and maintained for the calibration and control of M&TE and reference standards. It shall be designed to determine and assure the accuracy of M&TE and reference standards and shall provide for the prompt detection of inaccuracies and for timely, effective corrective action. This program shall address the following as a minimum:

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- a. Equipment Identification
- b. Calibration Instructions
- c. Records
- d. Reference Standards
- e. Enviromental Control
- f. Intervals of Calibration
- g. Traceability of recognized standards
- h. Labeling
- i. Precalibration Checks

3.2 INSPECTION/VERIFICATION OF TEST EQUIPMENT

Inspection/verification of test equipment is not to be construed as calibration. Inspection/verification of test equipment involves confirming a physical dimension which can not be changed except by physical damage. (ie. slump cones).

Inspection/verification shall be performed by personnel familiar with that equipment using properly approved instructions.

Each piece of test equipment shall be uniquely numbered and listed on a master inventory list. A recall system shall be utilized to assure test equipment is properly inspected/verified at prescribed intervals.

After satisfactory completion of inspection/verification a "sticker" shall be applied to the item (when practical). The "sticker" as a minimum shall have the equipment identification number, date due for inspection/verification and initials of the person performing the inspection/verification.

Any item which does not pass an inspection/verification shall be discarded or repaired (when possible) and an evaluation made as defined in paragraph 3.3.

3.3 EVALUATION OF DEFICIENCIES

The Quality Engineering Supervisor shall be notified in writing by the Calibration Facility when M&TE or reference standards are found to be out of calibration. He will assure that all equipment tested or calibrated by the deficient item since the last calibration is identified and sufficient investigat-

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ions performed to either re-establish the acceptability of the equipment or to confirm a nonconformance with completed installations. The results of such investigations shall be documented. If a nonconformance has been identified with completed installations, it shall be reported in accordance with Reference 1-A.

3.4 EXTENSION OF INTERVALS

Calibration and inspection/verification intervals may be extended on a case basis with written permission of the TUGCO Site QA Supervisor/Designee.