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ELECTRICAL INSPECTION ACTIVIITIES	PREPARED BY: <u>Michael D. Warr</u> 8-10-83 DATE			
	APPROVED BY: <u>C. J. [Signature]</u> 8/11/83 DATE			

1.0 REFERENCES

- 1-A CP-QP-2.1, "Training of Inspection Personnel"
- 1-B CP-QP-15.0, "Tagging System"
- 1-C CP-QP-16.0, "Nonconformances"
- 1-D CP-QP-13.0, "Control of Measuring and Test Equipment"

2.0 GENERAL

2.1 PURPOSE AND SCOPE

The purpose of this procedure is to outline the Electrical Quality Control Inspection Program. This procedure applies to Class 1E electrical installations.

3.0 PROCEDURE

3.1 INSPECTION FREQUENCY AND SCOPE

3.1.1 Inspection Criteria

Minimum inspection criteria shall be provided in Quality Instructions. The Electrical Quality Engineering staff shall research the applicable design documents, codes and standards to establish inspection criteria and provide the necessary inspection documents (procdeures, instructions, inspection reports) for inspector use.

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3.1.2 Inspection Frequency

The frequency of inspection shall be established by the Quality Engineering Supervisor or his designee, and assigned personnel shall perform inspections at or above the established frequency. The minimum inspection frequencies may be increased, either temporarily or permanently, through written notification from the Quality Engineering Supervisor or his designee.

3.2 PERSONNEL TRAINING

Personnel training shall provide in accordance with Reference 1-A to assure that the electrical QC inspection personnel achieve and maintain inspection proficiency.

3.3 INSPECTION DETAILS

Quality Instructions supplementing this procedure identify the electrical inspection activities and delineate inspection criteria and methods of documentation. Quality Instructions applicable to each will provide specific guidance for Quality Control inspection personnel.

3.4 STATUS INDICATORS

The status of inspected items is identified on appropriate documentation as defined by the applicable Quality Instruction. Certain items (such as conduits, cable trays and cable repairs) may also be tagged where specified by the governing Quality Instruction.

3.5 NONCONFORMING ITEMS

Nonconformances shall be reported as outlined in each Quality Instruction.

3.6 DOCUMENTATION METHODS

Quality Instructions specify the documentation required to provide objective evidence of compliance with specified Engineering/Construction criteria. Upon completion, these records shall be submitted for review, processing and filing in accordance with CPSES requirements for QA records.

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3.7 MEASURING AND TEST EQUIPMENT

Measuring and test equipment is calibrated, adjusted and maintained at prescribed intervals to provide confidence in the accuracy of the resulting data. Calibration responsibilities and requirements are defined in Reference 1-D.

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INSPECTION OF PROTECTIVE COATINGS	PREPARED BY: <u>CT. Bous</u>			11/4/83 DATE
	APPROVED BY: <u>EA Dean</u>			11/7/83 DATE

1.0 REFERENCES

- 1-A ANSI 101.4, "Quality Assurance for Protective Coatings Applied to Nuclear Facilities"
- 1-B CP-QP-2.1, "Training and Certification of Inspection Personnel"
- 1-C CP-QP-13.0, "Control of Measuring and Test Equipment"
- 1-D CP-QP-16.0, "Nonconformances and Deficiencies"
- 1-E CP-QP-17.0, "Corrective Action"

2.0 GENERAL

2.1 PURPOSE AND SCOPE

The purpose of this procedure is to describe the inspection program utilized by Quality Control personnel while performing inspections of coatings designated Service Level I as defined by Reference 1-A.

2.2 RESPONSIBILITY AND AUTHORITY

The Quality Engineering Supervisor, or his designee, is responsible for the development of specific inspection instructions for inspector use.

The Quality Control Supervisor is responsible for the implementation and administration of inspection activities.

3.0 PROCEDURE

3.1 PERSONNEL TRAINING AND CERTIFICATION

Personnel training shall be provided in accordance with Reference 1-B to assure that protective coatings QC inspection personnel achieve and maintain inspection proficiency.

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3.2 INSPECTION DETAILS

Quality Instructions supplementing this Procedure identify the protective coatings inspection activities and delineate inspection criteria to assure that construction activities comply with design specifications and applicable codes and standards.

3.3 MEASURING AND TEST EQUIPMENT

Measuring and test equipment is calibrated, adjusted and maintained at prescribed intervals to provide confidence in the accuracy of the resulting data. Calibration responsibilities and requirements are defined in Reference 1-C.

3.4 STATUS INDICATORS

The status of inspected items is identified on appropriate documentation as defined by the applicable Quality Instruction.

3.5 NONCONFORMING ITEMS

Nonconformances shall be reported as outlined in each Quality Instruction.

3.6 DOCUMENTATION METHODS

Quality Instructions specify the documentation required to provide objective evidence of compliance with specified Engineering/Construction criteria. Upon completion, these records shall be submitted to the Permanent Plant Records Vault for processing and filing in accordance with CPSES requirements for QA records.

3.7 CORRECTIVE ACTION

The Quality Engineering Supervisor, or his designee, shall review deficiencies and nonconformances and recommend required corrective action in accordance with Reference 1-E.