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GENERAL PROCEDURE FOR RANDOM INSPECTION

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CONTROL NO. M-002

~~Vault~~ ci 9/12/84

1.0 REFERENCES

1-A CP-QP-15.0, " Tagging System"

1-B CP-QP-16.0, "Nonconformances and Deficiencies"

2.0 GENERAL

2.1 PURPOSE

The purpose of this procedure is to outline the basic approach to be employed by QA/QC personnel in developing and performing random inspection(QA/QC Surveillance) of construction activities.

2.2 DEFINITIONS

2.2.1 Lot

A collection of product or work activities from which a sample is to be drawn and inspected in accordance with specified requirements and written directives.

2.2.2 Sample

A statistically sound unit of product or work activities drawn from a lot at random (and without bias) to be inspected in depth as a means of assessing or evaluating the acceptability of the product or work activities.

2.2.3 Inspection

The process of measuring, examining, testing, observing or otherwise comparing the unit of product or work activities with the specified requirements.

3.0 PROCEDURE

3.1 SPECIFIC DIRECTIVES

Specific written directives for random inspection activities shall be jointly developed by the Quality Engineering and Quality Control Supervisors or their designees. Other principal staff personnel may also generate directives applicable to their area of responsibility. These directives shall clearly define to assigned QA/QC personnel the methods and techniques to be implemented to obtain the objectives of the inspection (surveillance) effort. These directives shall include the rational to be employed in selecting the lot and guidelines or directives in establishing an appropriate sample from the lot to be inspected. Directives shall be formalized through formal or informal memorandum or through formal Quality Instructions supplementing this procedure. If directives are formalized by memorandum, appropriate controls shall be established to assure that assigned QA/QC personnel are kept aware of and utilize the latest directives.

3.2 DOCUMENTATION METHODS AND REPORTING

Written directives shall specify the documentation methods to be employed by QA/QC personnel to report the results of random inspection activities. The inspection results shall be documented by the assigned QA/QC personnel in the prescribed manner and the completed records shall be submitted to the Quality Engineering (QE) Supervisor for further processing and ultimate filing in accordance with CPSES requirements for QA Records.

3.3 MANAGEMENT REPORTS

The Quality Engineering Supervisor or his designee shall review the results of the random inspection activities for completeness and accuracy prior to filing in the Records Vault. Inspection results shall also be summarized by the QE group in a manner suitable for analysis of the significance of the inspection results and to assess the need for corrective action necessary to assure that conditions adverse to quality are promptly identified and corrected. The provisions of Ref. 1-A and/or 1-B shall be implemented by the QE group where deemed necessary

to properly control nonconforming materials, parts or components.

The inspection summaries shall be formally reported to the Site QA Supervisor and Manager, Quality Assurance at a minimum quarterly frequency. Recommendations for corrective action shall be included if warranted by the inspection (surveillance) results.