

T-391

STONE & WEBSTER QUALITY CONTROL INSTRUCTION	QCI NO.	REV.	DATE	PREPARED BY
	10.01	1		J.C. Thompson
	DIVISION	LOCATION		
	EQC	MNPP		
	APPLICABILITY	APPROVED BY		
	N/A	<i>Sw Baranwal</i> 6/27/83		
	RE: PROCEDURE			
	N/A			
	SUBJECT			
	CONSTRUCTION IMPLEMENTATION OVERVIEW ASSESSMENT			

1.0 PURPOSE AND SCOPE

- 1.1 To establish a program for management planning, conducting and documenting the Construction Implementation Overview (CIO) assessment of the Construction Completion Program (CCP). This QCI shall be applicable to all phases of the CCP and may cover additional activities as directed by the SWEC Program Manager.

2.0 REFERENCES

- 2.1 SWEC Third Party Construction Implementation Overview Procedure 5/19/83
- 2.2 SWEC Project Quality Assurance Plan
- 2.3 Construction Completion Program

3.0 ATTACHMENTS

- 3.1 Evaluation Checklist (Sample)
- 3.2 Verification Checklist (Sample)

4.0 GENERAL

- 4.1 This CIO program shall assure proper implementation of the CCP through a systematic assessment of procedures, instructions, directives, correspondence, specifications, drawings and commitments as applicable. Assessment shall confirm conformance in the development, approvals and implementation of the CCP and shall encompass program evaluation and physical verification.
- 4.2 CIO shall provide for the evaluation of the CCP in a planned and systematic manner, i.e., prepare schedules for preparation of checklists, develop checklists applicable to specific Project Quality Control Instructions (PQCI) and perform evaluations of documented inspections/activities.
- 4.3 CIO shall use the checklists to perform evaluations and/or verification of the documented inspection or activity.
- 4.4 Results of assessments shall be documented in accordance with Section 6 of this QCI.

INFORMATION COPY

5.0 RESPONSIBILITIES

5.1 The Program Manager is responsible for:

- Implementation and control of the overview of the CCP activities
- Evaluating compliance and effectiveness of the program
- Approval of checklists
- Participating in Management Reviews
- Preparation of reports of progress and nonconformances for presentation to the US NRC and CPCo
- Documenting those meetings and telephone conversations that pertain to the CCP

5.2 The Evaluation Supervisor shall be responsible for:

- Developing checklists comprised of attributes based upon activities described in PQCI's, commitments and other project directives.
- Maintaining and up-dating checklist matrices
- Directing the implementation of the Evaluation Program

5.3 The Verification Supervisor shall be responsible for:

- Developing checklists comprised of attributes based upon activities described in PQCI's, commitments and other project directives
- Maintaining and up-dating checklist matrices
- Directing the implementation of the Physical Verification Program

6.0 PROCEDURE

6.1 Evaluation/Verification shall be performed in accordance with the following instructions:

- 6.1.1 Attribute checklists shall be prepared utilizing the PQCI and appropriate additional data. Attribute checklists may include direction for information and guidance to the evaluator. Attributes shall be numbered sequentially, shall be clear, concise, without ambiguity and shall indicate the precise source of the attribute by page and paragraph. In addition the source data shall address any of the 18 criteria of 10CFR50 Appendix B as applicable. The CPCo team number shall be indicated in the "Responsible Organization" Column.

- 6.1.2 Review referenced documents, including correspondence, procedures, and inspection records pertinent to the CCP.
- 6.1.3 Complete the checklist attribute sheets during the assessment by entering the total number of observations made of each attribute and the number of observations found unsatisfactory, noting any remarks under "Comments". Remarks shall contain sufficient information to ensure repeatability of the observation. This information shall include identification of specifications, drawing procedures, reports, test results and nonconforming conditions and shall include copies of supporting documentation as necessary. Attributes determined to be not applicable shall be marked "N/A" and explained.
- 6.1.4 Each attribute noted as unsatisfactory shall be evaluated by the Program Manager to determine if the unsatisfactory observation warrants the issuance of a Nonconformance Identification Report (NIR).
- 6.1.5 Checklists with attributes noted as unsatisfactory that do not result in the issuance of an NIR shall be kept in an active file until reinspection determined that the attribute is considered satisfactory.
- 6.1.6 The checklist attribute sheets shall be considered as a guide for performing assessments. Attributes maybe modified or added or deleted (with explanation) as necessary to satisfy the objectives of References 2.1 and 2.2.

7.0 Records

- 7.1 Upon completion of all activities associated with a specific PQCI, the completed package (with copies of NIRs) shall be transmitted to CPCo Permanent Plant Files.
- 7.2 CIO shall maintain a working file of all documentation transmitted to CPCo Permanent Plant Files. This file maybe used for reference or review by the US NRC.

STONE AND WEBSTER MICHIGAN INC

MIDLAND ENERGY CENTER PROJECT

EVALUATION ATTRIBUTE CHECKLIST

ATTRIBUTE CHECKLIST N°	TITLE	REV	DATE
PQCI N°/REFERENCE	TITLE	REV	DATE

This Attribute Checklist shall be completed in accordance with the following procedures.

Stone & Webster Quality Assurance Plan Third Party CIO procedure.

QCI 10.01 Construction Implementation Overview Assessment
QCI 15.01 Nonconformance Identification Report

S.W. Baranow
Program Manager

Attribute Checklist prepared by SIGN DATE

Checklist Approved by SIGN DATE

Checklist Completed by SIGN DATE

Completed Checklist Approved SIGN DATE

STONE AND WEBSTER MICHIGAN INC

MIDLAND ENERGY CENTER PROJECT

VERIFICATION ATTRIBUTE CHECKLIST

ATTRIBUTE CHECKLIST N°	TITLE	REV	DATE
PQCI N°/REFERENCE	TITLE	REV	DATE

This Attribute Checklist shall be completed in accordance with the following procedures.

Stone & Webster Quality Assurance Plan Third Party CIO procedure.

QCI 10.01 Construction Implementation Overview Assessment
QCI 15.01 Nonconformance Identification Report

S.W. Baranow
Program Manager

Attribute Checklist prepared by SIGN DATE

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