



QUALITY ASSURANCE PROCEDURE

FOR

EBASCO SERVICES
INCORPORATED

QUALITY
ASSURANCE
ENGINEERING

This Document is:

- ☒ Reviewed Without Comments
- ☐ Reviewed With Comments as
Noted; Incorporate Comments,
and Resubmit; Proceed With
Order.
- ☐ Rejected; Revise and Resubmit

NOTE:

Review of this document, with or without comments, is for general conformance with the applicable specifications only and in no way relieves the manufacturer or contractor from full responsibility for delivery of all materials, equipment, services and documentation in strict accordance with the Purchase Order.

By: *Bill H. Volz*

Date: *12-24-80*

CORRECTIVE ACTION

INFORMATION ONLY

LOUISIANA POWER & LIGHT COMPANY
WATERFORD STEAM ELECTRIC STATION

UNIT NUMBER 3

CONTRACT W3--NY-12

PREPARED BY

FISCHBACH AND MOORE, INCORPORATED

QUALITY ASSURANCE GROUP
DALLAS, TEXAS

FISCHBACH AND MOORE

CONTROLLED COPY No. 01

APPROVAL

[Signature]
Q.A. Manager

DATE

May 27, 1977

Prepared By:

[Signature]



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REVISION RECORD

0	Original Release	May 27, 1977
1	Revised Para. 5.7 per Ebasco comments.	December 15, 1980

[Signature]



1.0 PURPOSE

This procedure establishes the requirements and defines the methods to be employed for the identification, documentation and reporting of conditions that are adverse to quality to the appropriate levels of management and to assure that, in the case of significant conditions, the causes of such conditions are determined and that adequate corrective action is taken to prevent recurrence.

2.0 SCOPE

The requirements of this procedure are applicable to all conditions adverse to quality that occur during procurement, installation, examination and testing of the power plant electrical construction.

3.0 REFERENCES

3.1 Federal Regulations

- (1) 10CFR50, Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants.

3.2 American National Standards Institute (ANSI)

- (1) N45.2 (1971), "Quality Assurance Program Requirements for Nuclear Power Plants".
- (2) N45.2.10 (1973), "Quality Assurance Terms and Definitions"



3.3 Fischbach and Moore, Incorporated

- (1) Project Quality Assurance Manual for Electrical Installations at Nuclear Power Plants.
- (2) QAP-103W3, "Processing and Control of Nonconformances".
- (3) QAP-105W3, "Stop Work Orders"
- (4) QAP-201W3, "The Control, Filing and Maintenance of Records".

4.0 RESPONSIBILITIES

- 4.1 The Project Q.C. Manager shall be responsible for issuance, processing and control of Corrective Action Requests (CAR's, Exhibit 1) and issuing Stop Work Orders (Reference QAP-105W3) when such action is deemed necessary and justified by the severity of the adverse conditions.
- 4.2 The Purchasing Agent shall be responsible for coordination of Corrective Action Requests with the responsible suppliers and subcontractors when adverse conditions have resulted from procured items and services.
- 4.3 The Chief Engineer shall be responsible to investigate, identify the cause and assure completion of corrective action as required to correct design or procedural related problems which could or have resulted in significant conditions adverse to quality.



4.4 The Project Superintendent shall be responsible for initiating corrective action when notified of improper work methods, failure to follow procedures or instructions, use of improper tools or similar conditions.

5.0 PROCEDURE

5.1 During review of IR's, NCR's, Checklists, test data, and reports and other pertinent data, and evaluation of non-conformance conditions (Reference QAP-103W3), the Q.C. Supervisor, Documentation Supervisor, Electrical Q.C. Engineer and Project Q.C. Manager shall identify significant and/or repetitive conditions that are adverse to quality of the facility. The Project Q.C. Manager shall evaluate these conditions and determine the need for formal corrective action. A CAR shall be initiated when one or more of the following type conditions exist:

- a. A single significant problem or problem area exists which could adversely affect the quality of safety-related work.
- b. Repetitive defects due to the same cause or repeated submittal of material, equipment or installations for inspection which are unacceptable.
- c. Drawings, specifications, procedures, instructions or other documentation nonconformances that may, or have adversely affected quality.



- 5.2 The CAR shall provide adequate detail to concisely describe the condition and the corrective action required. The CAR shall be addressed to the cognizant management of the department or organization charged with the responsibility for determining the cause and providing adequate and effective action to prevent recurrence of the condition. A reasonable date for the addressee to respond to the CAR shall be established and the CAR shall be forwarded to the Q.C. Records Center.
- 5.3 The Q.C. Records Clerk shall assign a control number to the CAR, enter the CAR on the Status Log (Exhibit 2) and file a copy in the CAR Suspense File. Copies of the CAR shall be distributed to the Q.C. Supervisor and the other personnel as directed by the Project Q.C. Manager. The original copy of the CAR shall be forwarded to the addressee for action.
- 5.4 Upon receipt of copies of the CAR, the Q.C. Supervisor shall initiate action for examination of identical items or similar conditions. When appropriate, the Project Q.C. Manager shall be notified and the CAR shall be amended to include the additional nonconforming items and/or adverse conditions.
- 5.5 The individual responsible for providing corrective action shall document on the CAR the probable cause and the action that has been or is planned to be implemented to prevent recurrence.



vent recurrence of the reported condition. The effective date for implementation of corrective action shall also be documented on the CAR. The addressee shall sign and date the CAR and return it to the Project Q.C. Manager. CAR's that have been addressed to suppliers and/or subcontractors shall be returned to the Purchasing Agent, who shall forward the CAR to the Project Q.C. Manager.

In the event that additional time is required to investigate and determine the cause and corrective action necessary, the addressee shall negotiate a new due date with the Project Q.C. Manager.

- 5.6 In the event that a CAR has not been completed and returned by the established due date, the Project Q.C. Manager shall send a letter to the addressee requesting an immediate response as to the status of the CAR. CAR responses that are more than 30 days delinquent shall be reported to the Project Manager, and if deemed necessary to the Corporate Quality Assurance Manager for appropriate management action.
- 5.7 Upon receipt of completed CAR's, the Project Q.C. Manager shall verify that the corrective action is adequate to correct the condition and to prevent recurrence. Unsatisfactory CAR responses shall be



returned to the addressee for further action. The Project Q.C. Manager shall check, sign and date satisfactory CAR's and forward them to the Q.C. Records Center.

5.8 The Q.C. Records Clerk shall update the Status Log, clear the Suspense File and distribute copies of the closed CAR to the original distribution list. The original copy of the closed CAR shall be filed and maintained in accordance with QAP-201W3.

6.0 EXHIBITS

Form No. FM112 - Corrective Action Request

Form No. FM113 - Corrective Action Request Status Log

CORRECTIVE ACTION REQUEST

CAR No. _____

Project: _____

Date _____

Contract/Job No.: _____

Page _____ of _____

Reference: Drawing No. _____

Revision _____

Specification No. _____

Revision _____

Procedure No. _____

Revision _____

Description of Discrepancy/Corrective Action Required:

Reported By _____ Project Q.C. Manager _____

Assigned To _____

Reply Requested on or before _____
Date

Reply/Corrective Action Taken:

Assignee: _____ Date: _____

Q. C. REVIEW

☐ Satisfactory☐ Unsatisfactory - CAR returned for further action: _____ Date

Project Q. C. Manager _____



CORRECTIVE ACTION REQUEST
(CAR)
STATUS LOG

[illegible]