EBASCO SERVICES INCORPORATED

WATERFORD STEAM ELECTRIC STATION - UNIT NO 3

PROCEDURE FOR: HANDLING OF ENGINEERING DISCREPANCY NOTICES	PROCEDURE NUMBER: ASP-IV-70

ISSUE SUMMARY

ISSUE/DATE	PREPARED	APPROVED	REMARKS
"D" Draft 9/13/83	R.E. Greenwell		Revised 5.3, 6.3.2.1, 6.3.2.2, 6.3.2.3, 6.3.2.4, 6.3.2.5, 6.3.2.6, 6.3.2.7, 6.3.2.8, 6.3.2.9, 6.3.2.10, 6.3.2.11, 6.3.3. Added 6.3.2.5.1, 6.3.2.12, 6.3.2.13, 6.3.2.14, 7.3
D Issue 10/4/83	R.E. Greenwell	R. Marshall	

NOTATIONS IN THIS COLUMN INDICATE WHICH CHANGES HAVE BEEN MADE

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ISSUE/DATE	PREPARED	APPROVED	REMARKS
"A" Draft 12/3/80	V. Klein		
A Issue 2-10-81	V. Klein	R. J. Milhiser	
"B" Draft	V. Klein		Delete 4.7, 6.3.2.7.1, 6.3.2.7.2, 6.3.2.9.1 and 7.3; Revise 6.1.1, 6.3.2.6, 6.3.2.7, 6.3.3 and 7.2.
B ISSUE 6/18/82	V. Klein	for R. J. Milhiser	
"C" Draft 10/4/82	W. T. McDonald		Add 5.5, 6.3.2.6; Revise 6.1.1, 6.3.2.3, 6.3.2.4, 6.3.2.5, 6.3.2.7 Renumber 6.3.2.6, 6.3.2.7, 6.3.2.8, 6.3.2.9, 6.3.2.10, 6.3.2.11 Revise Attachment 7.1
C Issue 10-22-82	V. Klein	R. J. Milhiser	

NOTATIONS IN THIS COLUMN INDICATE WHICH CHANGES HAVE BEEN MADE

1.0 PURPOSE

1.1 The purpose of this procedure is to establish a criteria for implementing and maintaining Engineering Discrepancy Notices (EDN's).

2.0 SCOPE

2.1 This procedure shall apply to safety and non-safety related items and services at the Construction site.

3.0 REFERENCES

3.1 None.

4.0 DEFINITIONS

4.1 Discrepancy - A deviation from specified requirements (including procedures) that can be readily corrected in accordance with standard approved operating procedures or specifications based on good engineering practices. Discrepancies do not require an elaborate engineering evaluation or disposition for correction. They are deviations from good engineering practice and procedures.

4.2 Inspector - A qualified person whose duties include the verification of quality related activities or installations. For the purposes of this Procedure, Inspector shall mean Engineering Inspector.

4.3 Inspection - A phase of quality control which by means of examination, observation, or measurement determines the conformance of items or services or predetermine quality requirement.

4.4 Nonconformance - A condition in characteristic, documentation or procedure which renders the quality of an items or service inacceptable or indeterminate. Examples of nonconformances include: physical defects, test failures, incorrect or inadequate documentation, or deviation from prescribed inspection or test procedures.

4.5 Safety-Related Item - Any item designated by Ebasco Engineering in accordance with the guidelines established by the Ebasco Licensing Department, to be Safety Class 1, 2, 3, Seismic Class I or Electrical Class IE, and any other items as designated by the Licensing Department and indicated as safety-related in the PSAR or FSAR.

4.6 Specification - A set of requirements to be satisfied by a product or material.

5.0 RESPONSIBILITIES

5.1 The Senior Resident Engineer (SRE) or his designee shall have overall responsibility for preparation and implementation of this procedure.

5.2 The Engineering Inspector under the direction of the discipline Construction Engineer shall be responsible for inspection and documentation of work performed under this procedure.

5.3 The Construction Administrative Engineer or his designee is responsible for coordination and maintenance of EDN's. D

5.4 The Quality Assurance Site Supervisor or his designee is responsible for determining if an EDN is to be upgraded to a Nonconformance Report.

5.5 The Ebasco Site Support Engineering (ESSE) Project Engineer or his designee is responsible for evaluating the recommended disposition/disposition as required by this procedure.

6.0 PROCEDURE

6.1 Introduction

6.1.1 Inspection activities at the Construction site shall be performed by Engineering inspectors who have not performed the activity to be inspected.

6.1.2 Inspections of items, materials or structures shall be performed for each work operation where necessary to assure quality. All inspections shall be performed to verify compliance with pertinent design instructions, procedures, specifications, drawings, manufacturer's requirements, applicable codes and regulatory requirements.

6.2 Inspection

6.2.1 Inspections under the scope of this procedure shall be visual.

6.2.1.1 Workmanship shall conform to code, project specifications and industry standards.

6.2.1.2 Materials shall conform to specification requirements.

6.3 Discrepancy Notices

6.3.1 Any deviation from requirements discovered during an inspection shall require corrective action by the responsible individual. Notices of a deviation in quality shall be documented by the Engineering Inspector and approved by the appropriate Discipline Engineer.

6.3.2 A deviation in quality as defined in Paragraph 6.1.2 shall be reported and processed as follows:

D 6.3.2.1 Discrepancies which are detected during inspection shall be reported on an EDN, (Form No. ASP-IV-70-1 - attached) as soon as the descrepant condition is identified.

D 6.3.2.2 Once the Engineering Inspector has provided the description of the discrepancy on the form, the original EDN shall be forwarded to the Construction Administrative Support Department where the Construction Administrative Engineer, or his designee, shall assign the EDN a unique number.

D 6.3.2.3 The Construction Administrative Support Engineer, or his designee, shall maintain a log (Form No. ASP-IV-70-2) for the assignment of EDN numbers and tracking their current status. When an EDN number is assigned, the Construction Administrative Engineer, or his designee, shall immediately forward a copy of the EDN to the Quality Assurance Site Supervisor to initiate any required equipment/system tagging by QC personnel. The Construction Administrative Support Engineer, or his designee shall retain a second copy of the EDN for filing and return the original to the Engineering Inspector.

D 6.3.2.4 The Engineering Inspector may either provide the recommended disposition himself or forward the EDN to the appropriate discipline Resident Engineer for recommended disposition. Once the recommended disposition has been completed, the EDN shall be forwarded to the appropriate discipline Senior Resident Engineer, or his designee, for disposition.

D 6.3.2.5 After the Senior Resident Engineer, or his designee, has provided the disposition, he shall indicate to whom the EDN is to be referred for corrective action, or whether an ESSE evaluation is required. (An ESSE evaluation is required whenever the disposition recommends or accepts a deviation from approved design criteria.)

D 6.3.2.5.1 An EDN for either safety or non-safety related items may, at the discretion of the Senior Resident Engineer, be forwarded to the ESSE Project Engineer for evaluation/concurrence of the recommended disposition regardless of design criteria applicability.

D 6.3.2.6 When an EDN requires an ESSE evaluation, the dispositioned copy shall be returned to the Construction Administrative Engineer, or his designee, who will log the EDN, make one copy for the file, and forward the original to the ESSE Project Engineer.

D 6.3.2.7 The ESSE Project Engineer, or his designee, shall provide an evaluation of the recommended disposition. In the event that ESSE rejects the recommended disposition, ESSE shall provide a disposition for the EDN and obtain the Senior Resident Engineer's concurrence. Upon completion of his evaluation, the ESSE Project Engineer, or his designee, shall forward the evaluated EDN to the Construction Administrative Engineer, or his designee, for further processing.

D 6.3.2.8 The Construction Administrative Engineer, or his designee, shall now review the EDN to ensure that it is administratively correct, (i.e., pages are numbered correctly, attachments referred to are present, etc.). Any discrepancies shall be resolved and a copy of the EDN with any attachments shall be made for the file.

D 6.3.2.9 If the EDN is safety-related, it shall be forwarded to the Quality Assurance Site Supervisor for his concurrence. If the Quality Assurance Site Supervisor considers the EDN to be a nonconformance, he shall recommend that a Nonconformance Report be written. When an EDN is upgraded to a Nonconformance status, a hold tag shall be affixed to the discrepant condition by Ebasco QC personnel. The EDN, annotated with the Nonconformance Report Number, is returned to the Construction Administrative Support Department for closure.

D 6.3.2.10 If the safety related EDN is not considered a nonconformance, the Quality Assurance Site Supervisor or his designee shall provide Q.A. concurrence. The EDN shall be returned to the Construction Administrative Engineer, or his designee.

D 6.3.2.11 The Construction Administrative Engineer, or his designee, shall forward a copy of the EDN to the responsible party for corrective action. After corrective action has been taken, the responsible party is to complete the corrective action portion of the form indicating what corrective action was taken and return the copy of the EDN to the Construction Administrative Support Department. The party responsible for the corrective action shall transfer this information and their signature to the original EDN in the Construction Administrative Support Department.

D 6.3.2.12 The Construction Administrative Engineer, or his designee, shall make one copy of the EDN for the file and transmit the original to the Engineering Inspector for reinspection. Upon completion of reinspection, the Engineering Inspector shall indicate acceptability of the corrective action by checking either "ACCEPT" or "REJECT" and signing and dating the form. The EDN shall be returned to the Construction Administrative Support Department and if the corrective action was accepted, the EDN will be considered closed.

D 6.3.2.13 If the Engineering Inspector "rejects" the corrective action, he shall return the EDN, with comments explaining the rejection, to the Construction Administrative Engineer, or his designee.

D 6.3.2.14 The Construction Administrative Engineer, or his designee, shall process the rejected EDN per paragraph 6.3.2.11 adding an addendum form (Attachment 7.3) to the original and copy.

D 6.3.3 When the EDN has been closed, the Construction Administrative Engineer, or his designee, shall transmit the original EDN to the Quality Assurance Records Department for filing. A copy of the closed EDN shall be maintained in the Construction Administrative Support Department file.

7.0 ATTACHMENTS

7.1 Engineering Discrepancy Notice, Form No. ASP-IV-70-1.

7.2 Engineering Discrepancy Notice Log, Form No. ASP-IV-70-2.

D 7.3 Addendum Form, Form No. ASP-IV-70-3.

WATERFORD STEAM ELECTRIC STATION
1983 - 1165 MW INSTALLATION - UNIT NO. 3
ENGINEERING DISCREPANCY NOTICE

Attachment 7.1
Form ASP-IV-70-1

EDN NO._____ DATE_____
Safety Related____Non-Safety____
I&C Class Code_____

Item Description_____
Location_____ System_____
P.O. Contract Number_____ Drawing/Spec. No._____
1. Discrepancy Description:_____

Engineer Inspector_____
Supervisor_____

2. Recommended Disposition:_____

Provided By_____ Date_____
3. Disposition:_____

Senior Resident Engineer_____ Date_____

Referred To:_____
4. ESSE Evaluation:_____

Lead ESSE Engineer_____ Date_____
5. QA Concurrence:_____

Site Quality Assurance Supervisor_____ Date_____
6. Corrective Action Taken:_____

Organization:_____ Signature_____ Date_____
7. Reinspection Remarks:_____

:ept____Reject____Engineer Inspector_____ Date_____

FORM ASP-IV-70-2

DN NO.	DESCRIPTION	INITIATOR & DATE	REFERRED TO & DATE	CORR. ACTION & DATE	COMPLETED

6a.) Corrective Action Taken: _____

_____

_____

Organization: _____ Signature _____ Date _____

7a.) Reinspection Remarks: _____

_____

_____

Accept ____ Reject ____ Engr. Inspector _____ Date _____