

TVA EMPLOYEE CONCERNS
SPECIAL PROGRAM

REPORT NUMBER: 241.4(B)

REPORT TYPE: SEQUOYAH ELEMENT
NON-RESTART JUSTIFICATION SUMMARY

REVISION NUMBER: 0

TITLE: Amphenol Connectors

PAGE 1 OF 2

REASON FOR REVISION:

PREPARATION
PREPARED BY: B. Wheeler *no* 16 OCT 86
SIGNATURE DATE

REVIEWS
PEER: C. W. Jordan 17 Oct 86
SIGNATURE DATE

TAS: BBB. D. Stewart 12/5/86
SIGNATURE DATE

CONCURRENCES
Paul B. Asstitt 10/31/86
CEG-H: Deane R. Mault 11-1-86
SRP: Jimmy W. Greer 12-08-86
SIGNATURE DATE SIGNATURE* DATE

APPROVED BY: M. R. Rueloff 12-8-86 N/A
ECSP MANAGER DATE MANAGER OF NUCLEAR POWER DATE
CONCURRENCE (FINAL REPORT ONLY)

*SRP Secretary's signature denotes SRP concurrences are in files.

SEQUOYAH NUCLEAR PLANT
ENGINEERING RELATED EMPLOYEE CONCERNS
SPECIAL PROGRAM
NON-RESTART JUSTIFICATION SUMMARY

SUBCATEGORY/ELEMENT 241.4(B)

This concern is considered specific to SQN. It is not considered a restart issue since the "old" vendor supplied defective Amphenol connector assemblies on the actuators of the standby diesel generator have already been replaced with new corrected connector assemblies (Ref. MR Nos. A539668 thru A539671). Since, the issue of the concern has been corrected, there will be no failure to the safety related standby diesel generator caused by the connectors.

ATTACHMENT: List of Issues for Electrical

ELEMENT NO. 241.4(B)

Date: 09/09/86

LIST OF ELECTRICAL ISSUES

ELEMENT NUMBER 241.4

BY: J. Wheeler
Date: 09/09/86CONCERN NUMBER(S)

BMP-85-001

"Installation method of amphenol connectors on actuators of standby diesel generator could contribute to unreliable operation of the diesels.

Amphenol Connectors

ISSUES

- Inadequate installation of vendor supplied amphenol connectors on actuators of the standby diesel generator could contribute to unreliable operation of the diesels.

ELEMENT WHERE ADDRESSED

241.4

RESPON-SIBLE

JW

GENERAL APPROACH/METHODOLOGY FOR ELEMENT REPORT

- Review Report BMP-85-001
 - DETERMINE WHETHER CORRECTIVE ACTION IS REQUIRED
 - IF REQUIRED, ASSESS ADEQUACY DOCUMENTS NEEDED FOR REVIEW
- Report BMP-85-001

OPERATIONS CATEGORY

Enclosure 3

ECTG WRITER'S GUIDE	OPERATIONS (OP) ELEMENT REPORTS	NOTES/COMMENTS	
1.0	Issue Characterization	I. Title Very brief introduction	The brief introduction touches on the source of the concerns.
2.0	Summary	I. Title Very brief introduction III. Finding (Conclusions)	1. The Conclusions are towards the end of the findings. 2. The Conclusions services as a summary of the findings.
3.0	Evaluators	Cover Sheet	1. The printed name of the original evaluator(s) appears on the cover sheet. 2. The peer reviewer and CEG-H approval signatures are also on the cover sheet.
4.0	Evaluation Process	II. Specific Evaluation Methodology	
5.0	Findings	III. Findings	

ECTG WRITER'S GUIDE	OPERATIONS (OP) ELEMENT REPORTS	NOTES/COMMENTS
6.0	Root Cause (Collective Significance)	IV. Root Cause
		<ol style="list-style-type: none">1. At the element level the Root Cause is often not identifiable.2. Collective significance is not addressed at the element report level.
7.0	Attachments/ List of Concerns	II. Specific Evaluation Methodology
		<ol style="list-style-type: none">1. A list of the concerns with text are included within this section.2. Other reports are sometimes attached.

ECTG WRITER'S GUIDE	NSRS/ERT*	WELD PROJECT (WP) REPORTS	NOTES/COMMENTS
1.0 Issue Characterization	Background Info (Section I)	Issues Addressed By Concerns (Section II)	
2.0 List Of Concerns	Background Info (Section I)	Scope of Evaluation (Section I and Att-1)	
3.0 Evaluators	Coversheet	Coversheet	
4.0 Evaluation Process	Scope (Section II)	Not Delineated As Part Of The WP Reports however it is addressed as part of the Weld Projects Program Manual	
5.0 Findings	Findings (Section III)	Validity or Substantiation (Section III)	
6.0 Root Cause** and Conclusion	Conclusion and Recommendations (Section IV)***	Validity or Substantiation (Section III)	*** Note that recommendations are not included in element reports under the current ECTG program. ** Overall Root Cause will not be considered at this report level.

*The Weld Project has endorsed a number of ERT Reports and general issue level reports as adequately addressing the concerns at this level for SQN.

ECTG WRITER'S GUIDE		ELEMENT REPORT FORMAT
1.0	Issue Characterization	1. Characterization of Issue(s)
2.0	Summary	9. Discussion, Findings and Conclusions
3.0	Evaluators	Cover Sheet Information
4.0	Evaluation Process	8. Evaluation Process
5.0	Findings	9. Discussion, Findings, and Conclusions
6.0	Root Cause (Collective Significance)**	** <u>Overall</u> Root Cause will not be considered at this report level.
7.0	Attachments/ List of Concerns	Attachments as required
Other items included in Engineering Element Reports		2. Have issue(s) been identified in another systematic analysis? 3. Document nos., tag nos., locations or other specific descriptive identifications stated in element. 4. Interview files reviewed 5. Documents reviewed related to the element

ECTG WRITER'S GUIDE

ELEMENT REPORT FORMAT

Other items included
in Engineering Element
Reports
(cont'd)

6. What regulations, licensing commitments, design requirements, or other apply or control in this area?
 7. List requests for information, meetings, telephone calls, and other discussions related to element.
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SEQUOYAH ELEMENT REPORT	EMPLOYEE CONCERN NUMBER	ISSUE
Engineering 20103 (Initial)	WI-85-100-019 IN-85-886-001 WI-85-100-044	Incorporation of Requirements and Commitments in Design
Engineering 21303 (Initial)	WI-85-100-019	Inadequate Electrical Design Criteria
Engineering 22202 (Initial)	OW-85-003-001	Box Anchors with Excessive Welding
Engineering 22303 (Initial)	IN-85-886-NO4	Local Instrument Seismic Qualification
Engineering 22600 (Initial)	WI-85-100-023	Design of Lighting Fixture Supports
Engineering 23001 (Initial)	EX-85-027-001	Fire Damper Latching Test
Engineering 24000 (Initial)	WI-85-100-009 XX-85-122-027 XX-85-122-028 XX-85-122-029 IN-85-289-006 IN-86-254-005 IN-86-262-002 IN-86-036-001 IN-85-272-004	Cable Derating (Design) and Cable Coating Derating
SWEC-09 (Final)	A02-841116-010-001 A02-841116-010-002 A02-841116-010-003 A02-841116-010-004 A02-841116-010-005	Fire Protection/ Prevention

NOTE: An initial report was not necessary. This will be the only
submittal for SWEC-09.

SEQUOYAH
ELEMENT REPORT

EMPLOYEE
CONCERN
NUMBER

ISSUE

Operations 30302 (Final)	IN-85-281-003 IN-85-142-006	Location of Cold Leg Accumulator and RWST Level Transmitters
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NOTE: Initial report transmitted 11/4/86.

Welding WP-16-SQN, R2 (Final)	SQM-5-001-001 (WE 50700)*	Performance of Preweld Inspections
	SQM-5-001-002 (WE 50700)*	
	WBM-5-001-001 (WE 50700)*	
	BEM-5-001-001 (WE 50700)*	
	BEM-5-001-002 (WE 50700)*	
	BFM-5-001-002 (WE 50700)*	
	WI-85-030-007 (WE 50700)*	
	IN-85-212-001 (WE 50700)*	
BFM-5-001-001 (WE 50700)*		
WBM-5-001-002 (WE 50700)*		

*Data base subcategory as shown in 9/26/86 printout.

NOTE: Initial reports transmitted 9/3/86 and 9/17/86.

Engineering 23502 (Final)	IN-85-064-002	Exposed 480V Bus at Panel Top
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NOTE: An initial report was not necessary. This will be the only
submittal for EN 23402.

Engineering 23504 (Final)	IN-85-749-001	Exposed HV Cable Routed Without Raceway--Personnel Hazard
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NOTE: An initial report was not necessary. This will be the only
submittal for EN 23504.

Engineering 23706 (Final)	WI-85-060-N02	Casing of Current Transformers
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NOTE: An initial report was not necessary. This will be the only
submittal for EN 23706.

SEQUOYAH
ELEMENT REPORT

EMPLOYEE
CONCERN
NUMBER

ISSUE

Engineering 24104
(Final)

BMP-85-001

Amphenol Connectors

NOTE: An initial report was not necessary. This will be the only
submittal for EN 24104.

2891T