

AF

NUCLEAR POWER BUSINESS UNIT

RESCOPING DOCUMENTATION

(Attach additional sheets if needed)

ROUTING

- 1. SQA
- ~~2. [unclear]~~
- ~~3. C. B. [unclear]~~
- ~~4. CHAMPS~~
- 5. DEAN CHRISTIAN
- 6. SQA Clerk

Unit	Equip ID	QA	SR	EQ	SE	CIV	FP	QA Codes	M-Rule	SDR Number
	* SEE ATTACHED		SHEET							

BASIS/REFERENCE FOR CHANGE Ref-Q-List Discrap 96-058
 * SEE ATTACHED SHEET

UPGRADE JUSTIFICATION
 Does This Change Require An NP 11.4.5
 Reclassification Evaluation?
 YES: SQRD _____
 NO: Justify at Left

1. Initiator/Date: DEAN CHRISTIAN 11/18/96
 2. Approval/Date: [Signature] 12/9/96
 3. NSS/Date: BOM Scoping Updated [Signature] 12/9/96

4. Other Updates Required

	ACTION	COMPLETED/DATE
<input type="checkbox"/> Greenline Diagram _____	Submit Changes (PBF-1508)	_____/____
<input type="checkbox"/> EQML Change _____	Letter to NSL	_____/____
<input type="checkbox"/> SDR _____	Revise (NP 11.4.6)	_____/____
<input type="checkbox"/> MSS / Lot Number Scoping (Spec Guide Changes)	Letter to Storeroom	_____/____
<input type="checkbox"/> OTHER _____		_____/____
<input type="checkbox"/> _____		_____/____
<input type="checkbox"/> _____		_____/____

CHAMPS
 REC'D. 01/07/97

5. CHAMPS Data Entry/Date
 CHAMPS FINAL NPBT

6. NSS Closeout (Update Complete)
[Signature] 12/9/96

7. Clerical Copies To:
 File to SDR-C Files Above
 Staff Services - File Q4.2

1150

JAN 1 0 1997

Q-List 96-058 Discrepancy Resolution

UNIT	EQUIP ID	QA	SR	EQ	SE	CIV	FP	QA CODES	M-RULE	COMMENTS
PB0	AF-00001 ?	Y	N	N	1	N	N	38	N	#1 * -AF
PB2	AF-00098B ✓	Y	N	N	1	N	N	38	N	#1 ** -AF
PB2	AF-00099B ✓	Y	N	N	1	N	N	38	N	#1 A -AF
PB2	AF-00100B ✓	Y	N	N	1	N	N	38	N	#1 B -AF
PB1	AF-00096B ✓	Y	N	N	1	N	N	38	N	#1 D -AF
PB1	AF-00095B ✓	Y	N	N	1	N	N	38	N	#1 ** -AF
PB1	AF-00097B ✓	Y	N	N	1	N	N	38	N	#1 C -AF
PB0	FE-04050A	Y	Y	N	1	N	N	04	Y	#2 ** -AF
PB0	FE-04050B	Y	Y	N	1	N	N	04	Y	#2 ** -AF
PB1	FE-04049	Y	Y	N	1	N	N	04	Y	#2 ** -AF
PB2	FE-04049	Y	Y	N	1	N	N	04	Y	#2 ** -AF
PB0	RO-04015	Y	Y	N	1	N	N	04	Y	#3 ** -AF
PB0	RO-04008	Y	Y	N	1	N	N	04	Y	#3 ** -AF
PB1	RO-04003	Y	Y	N	1	N	N	04	Y	#3 ** -AF
PB2	RO-04003	Y	Y	N	1	N	N	04	Y	#3 ** -AF

NOTE 1: The components listed are within the Aux. Feedwater System and are classified incorrectly. Where applicable the components were downgraded to Augmented Quality from Safety Related, so the Parts Bill of Materials can be revised if there is a cost benefit. The listed components perform no safety related function, but are required to remain intact following a seismic event.

NOTE 2: The components listed are minimum recirc test line flow elements within the Aux. Feedwater System and are classified incorrectly. The listed components perform the safety related function of maintaining backpressure on the recirc line to limit flow from the Aux. Feedwater Pump. If there is no backpressure provided, the pump would runout and the pump discharge pressure would never exceed the pressure required for the DPIS switch to isolate the line break. Based upon this criteria, the flow elements and the restriction orifices are required to be safety related, QA Code 04.

- * Shown on Bech ISO Drawing P-159
- ** Shown on Bech ISO Drawing P-159
- A Shown on Bech ISO Drawing P-159
- B Shown on Bech ISO Drawing P-159
- C Shown on Bech ISO Drawing P-159
- D Shown on Bech ISO Drawing P-159

Date: Friday, 15 November 1996 11:18am CT
To: SCOTT E. JOHNSON
Cc: AARON GUENTHER, JOHN THORGERSEN
From: DEAN CHRISTIAN
Subject: Aux. Feedwater Min Recirc Line

Scott,
I have discussed the operating range for the Aux. Feedwater Pumps with Mr. Kevin Speach, who is a technical representative for the pump manufacturer. Kevin told me the pumps will not run deadheaded or cannot be allowed to exceed their capacity curve. For a 2" line break, the pump full capacity from the curve is 2000' TDH at 700 GPM. At this pressure, I am sure (although I have not performed the calculation) that the nozzle will not choke this flow and the pump will exceed the curve. Based upon my phone conversation, and my research, I plan to start the upgrade process for the recirc lines, up to and including the recirc line restriction orifice. - Dean.