

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 6231

FROM: Carolina Power & Light Co. Raleigh, N.C. 27602 E.E. Utley		DATE OF DOC:	DATE REC'D	LTR	MEMO	RPT	OTHER
		11-10-72	11-14-72	X			
TO:		ORIG	CC	OTHER	SENT AEC PDR <input checked="" type="checkbox"/>		
Mr. John F. O'Leary		1 signed			SENT LOCAL PDR <input checked="" type="checkbox"/>		
CLASS: <input checked="" type="radio"/> PROP INFO		INPUT	NO CYS REC'D	DOCKET NO:			
			1	50-261			
DESCRIPTION: Ltr adv that on 10-6-72 the containment spray pumps did not start even though a "P" signal was present.....			ENCLOSURES:				
PLANT NAMES: H.B. Robinson Unit 2			<p align="center">DO NOT REMOVE</p> <p align="center">ACKNOWLEDGED</p>				

FOR ACTION/INFORMATION DL 11-14-72

BUTLER(L)	SCHWENCER(L)	SCHMEL(L)	KNIGHTON(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
CLARK(L)	STOLZ(L)	ZIEMANN(L)	YOUNGBLOOD(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
GOLLER(L)	VASSALLO(L)	CHITWOOD(FM)	REGAN(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	H. DENTON	DICKER(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	<input checked="" type="checkbox"/> TECH REVIEW	<input checked="" type="checkbox"/> VOLLMER	HARLESS	WADE	E
<input checked="" type="checkbox"/> AEC PDR	<input checked="" type="checkbox"/> HENDRIE	DENTON		SHAFFER	F & M
<input checked="" type="checkbox"/> GC, ROOM P-506A	<input checked="" type="checkbox"/> SCHROEDER	GRIMES	F & M	BROWN	E
<input checked="" type="checkbox"/> MUNTZING/STAFF	<input checked="" type="checkbox"/> MACCARY	GAMMILL	SMILEY	G. WILLIAMS	E
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> LANGE	KASTNER	NUSSBAUMER	E. GOULBOURNE	L
<input checked="" type="checkbox"/> GIAMBUSSO	<input checked="" type="checkbox"/> PAWLICKI	BALLARD		A/T IND	
<input checked="" type="checkbox"/> BOYD-L(BWR)	<input checked="" type="checkbox"/> SHAO	FINE	LIC ASST.	BRATTMAN	
<input checked="" type="checkbox"/> DEYOUNG-L(PWR)	<input checked="" type="checkbox"/> KNUTH		SERVICE L	SALTZMAN	
<input checked="" type="checkbox"/> SKOVHOLT-L	<input checked="" type="checkbox"/> STELLO	ENVIRO	MASON L		
<input checked="" type="checkbox"/> P. COLLINS	<input checked="" type="checkbox"/> MOORE	MULLER	WILSON L	PLANS	
<input checked="" type="checkbox"/> REG OPR	<input checked="" type="checkbox"/> HOUSTON	DICKER	MAIGRET L	MCDONALD	
<input checked="" type="checkbox"/> FILE & REGION (2)	<input checked="" type="checkbox"/> FEDESCO	KNIGHTON	SMITH L	DUBE	
<input checked="" type="checkbox"/> MORRIS	<input checked="" type="checkbox"/> LONG	YOUNGBLOOD	GEARIN L		
<input checked="" type="checkbox"/> STELLE	<input checked="" type="checkbox"/> LAINAS	PROJ LEADER	DIGGS L	INFO	
	<input checked="" type="checkbox"/> BENAROYA		TEETS L	C. MILES	
		REGAN	LEE L		

EXTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> LOCAL PDR Hartville, S.C.	(1)(5)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
<input checked="" type="checkbox"/> 1-DTIE(ABERNATHY)	1-R. CARROLL-OC, GT-B227	1-GERALD LELLOUCHE
<input checked="" type="checkbox"/> 1-NSIC(BUCHANAN)	1-R. CATLIN, E-256-GT	BROOKHAVEN NAT. LAB
1-ASLB-YORE/SAYRE	1-CONSULANT'S	1-AGMED(WALTER KOESTER,
WOODWARD/H. ST.	NEWMARK/BLUME/AGABIAN	Rm C-427, GT)
<input checked="" type="checkbox"/> 16-CYS ACRS XXXXXXXX	SENT TO LIC. ASST.	1-RD...MULLER...F-309GT
	S. TEETS ON 11-14-72	

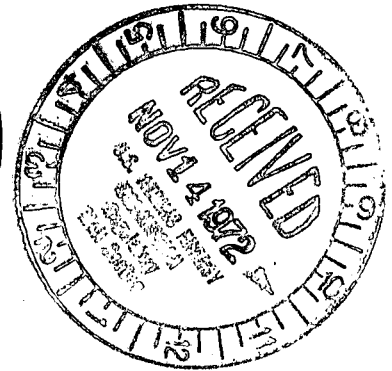
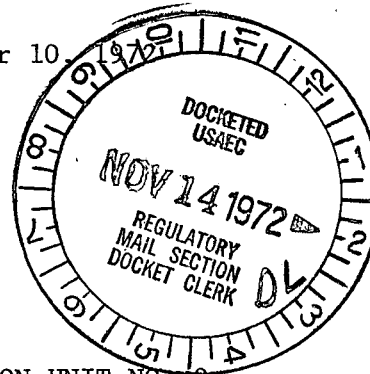
CP&L

Carolina Power & Light Company

50-261

November 10, 1972

Mr. John F. O'Leary, Director
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D.C. 20545



H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23
CONTAINMENT SPRAY PUMPS

Dear Mr. O'Leary:

Regulatory

File Cy.

In accordance with Technical Specifications and Basis, Paragraph 6.6.3 of Facility Operating License DPR-23, it is reported that on October 6, 1972, a modification was made to containment spray pump starting logic to ensure closure of pump breakers with no operator action, when a "P" signal is received.

During an integrated test of the safeguards systems of another plant, it was noted that the containment spray pumps did not start even though a "P" signal was present. It was then found that the pump would start when the pistol grip handle on the breaker was exercised.

The phenomenon observed during the test of the containment spray pump starting logic is caused by operation of the pump breaker feature which prevents cycling when the breaker is first closed and then immediately trips out. With the safeguards bus dead and a "P" signal introduced, the spray pump breaker closes. The bus undervoltage signal immediately trips out the breaker. The breaker anti-pump feature prevents the breaker from closing again until the closing circuit is reset by the de-energization of the breaker X coil. Since the X coil is still held energized by the "P" signal when the safeguards bus is reenergized, the breaker cannot close.

As an interim measure to ensure proper closing of the pump breakers, the undervoltage auxiliary relay contacts were disconnected from the breaker trip coil as follows:

Pump A - 271 X 2/E1 and 272 X 2/E1
Pump B - 271 X 3/E2 and 272 X 3/E2

With this arrangement, whenever a "P" signal (S10X or S20X) is initiated, the breaker will close, and undervoltage on the safeguards bus

6231
[Signature]

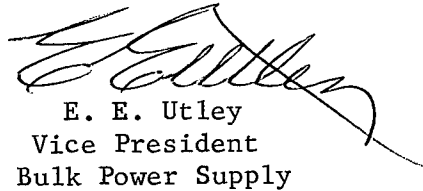
Mr. O'Leary

-2-

November 10, 1972

will not trip the breaker. As soon as the safeguards bus is energized, the pump will start. This is consistent with the requirement that spray pumps be started independent of the safeguards bus loading sequence.

Yours very truly,


E. E. Utley
Vice President
Bulk Power Supply

KEB/NBB:za

Attachments (2)

cc: Messrs. C. D. Barham/w/attachments


N. B. Bessac

B. J. Furr/w/attachments

S. Grant/w/attachments

112



FILED 6-26-79 FBI - BUREAU	ECLIPSE 100C SHEET 1 OF 6	SO. CPL-380	Westinghouse Electric Corporation				
			TITLE: CAROLINA POWER & LIGHT CO. H.B. ROBINSON STEAM PLANT - UNIT NO.2 ELEMENTARY WIRING DIAG CONTAINMENT SPRAY PUMP A				
	2	SUB 1	3/4/67	3/1/67	3/14/67	500B 452	
						SHEET- 287	
			ATOMIC POWER DIV.			PITTSBURGH, PA., U.S.A.	

8/11/69
113

SFGRDS. RELAY RACK 6A

RTGE M50

ANN.

DWG.

617F652

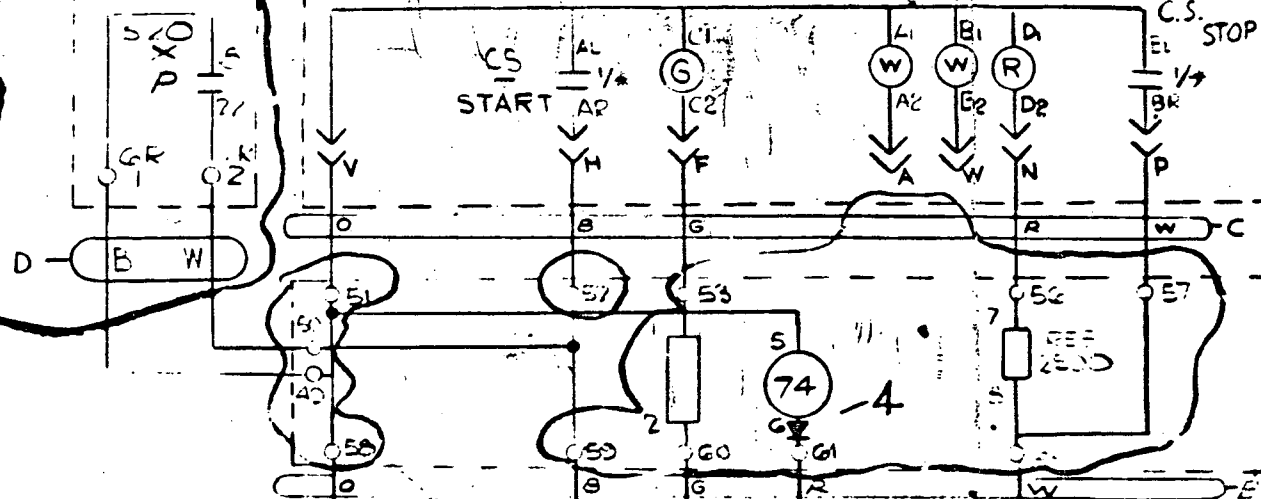
S11.4

WINDOW NO.

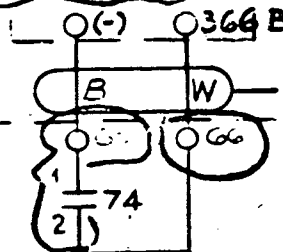
A7 41

CABLE ROUTE II

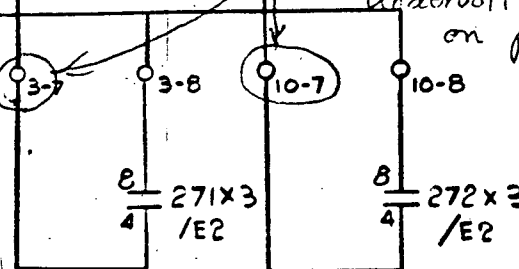
NICE DE
S11.9



ALM PNL JE



Disconnection at 3-7 and 10-7. Discontinues Undervoltage feature on pump "B"

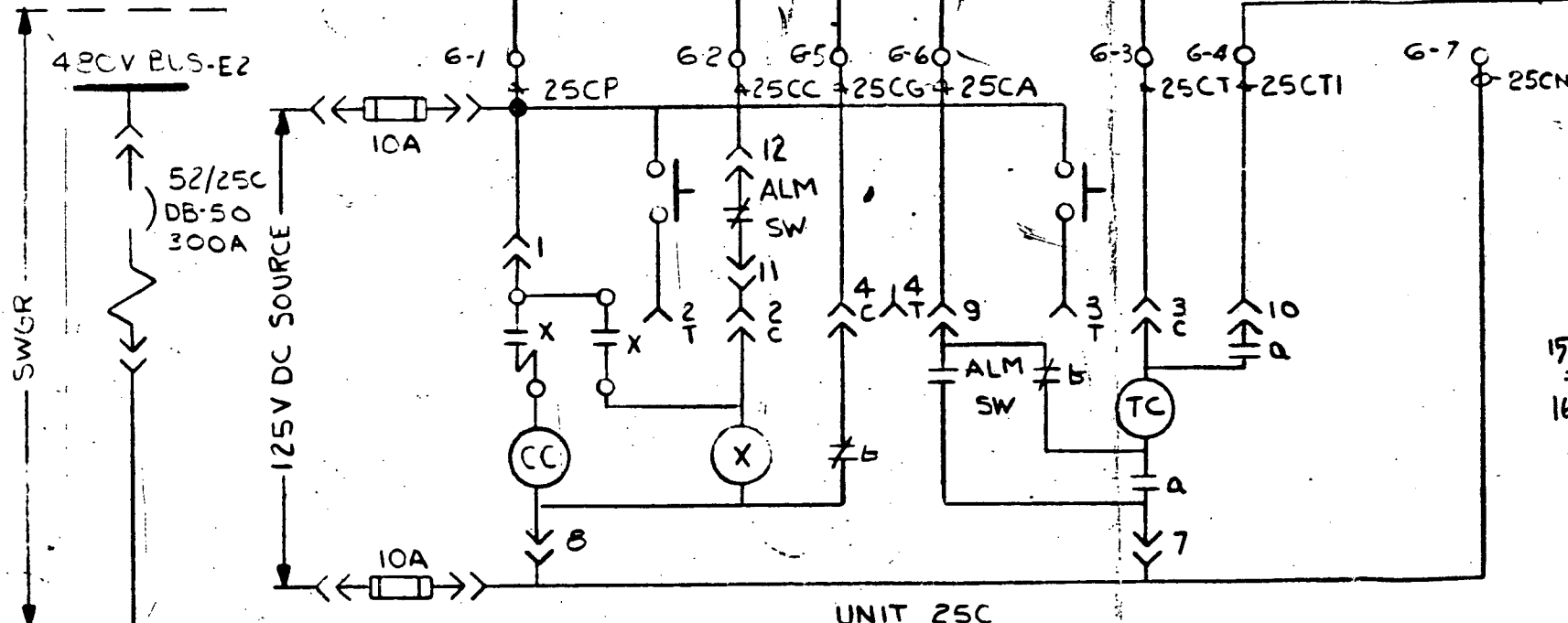


UNIT 27A

15/52
16/SH.550

AS BUILT

THIS DRAWING IS NOT AN ORIGINAL



UNIT 25C

CONTAINMENT SPRAY PUMP "B"

NOTE.
1/* SEE SWITCH DEV. No 22. SHT 37
DET. E * = CSP-B.

ELD 8-26-70/113 ECN-4737 G. Shearer 2-11-67 3/14/68				CPL-380 SO. 1.50		Westinghouse Electric Corporation TITLE: CAROLINA POWER & LIGHT CO. H.B. ROBINSON STEAM PLANT- UNIT NO. 2 ELEMENTARY WIRING DIAG. CONTAINMENT SPRAY PUMP "B"		500B452 SHEET- 290	
4 3 2 1				1.50		ATOMIC POWER DIV.		PITTSBURGH, PA., U.S.A.	