TIME	PROCESS PRIORITY	FLAG NO. SEE NOTE 5	FUNCTIONAL AND DEVICE DESCRIPTION	DEVICE IDENTIFICATION	SERVED FROM	BKR. I. D.	POWER REQM'TS.	EVENT	OUTPUT CONTACT TYPE	OUTPUT CONTACT TYPE	OUTPUT TERMINATION SEE NOTE 6	OUTPUT RELAY DRVR. I. D. SEE NOTE 7	LOAD ACTUATION TIMING (0, 10, 12, 21, 30, 60, 300 — TIME IN SECONDS)	REMARKS
CONT.	FROM DWG.	5149181-												
11 SEC.	B1 *	143	OPEN CHARGING LINE FLOW CONTROL V.	FCV-1112	—	—	DC	SIS/SISLOP	MAINTAINED	NC	TB51-1 & 3	SLOT 4/12 CKT.C	△	
	B2	144	START SAFETY INJECTION PUMP	S.I. PMP., E	4160V, #2C	12C05	700 HP	SIS/SISLOP	MAINTAINED	NO	TB37-1 & 3	SLOT 4/12 CKT.D	STARTING	
	B3	145	OPEN SAFETY INJECTION "LOOP A" VALVE	MOV-850A	MCC #2	42-1235	1.6 HP	SIS/SISLOP	MAINTAINED	NO	TB37-5 & 7	SLOT 5/13 CKT.A	OPENING / OPENED	
	B4 *	146	OPEN SAFETY INJECTION "LOOP C" VALVE	MOV-850C	DC BUS	—	1.6 HP	SIS/SISLOP	MAINTAINED	NO	TB52-1 & 3	SLOT 5/13 CKT.A	OPENING / OPENED	
	B4-1	147	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB37-9 & 11	SLOT 4/12 CKT.D	△	
	B5	148	OPEN SAFETY INJECTION HDR ISOLATION V.	HV-851A	DC BUS #2	—	—	SIS/SISLOP	MAINTAINED	NO	TB38-1 & 3	SLOT 4/12 CKT.B	OPENING / OPENED	
	B6	149	OPEN SAFETY INJECTION PUMP ISOLATION V.	HV-853A	DC BUS #2	—	—	SIS/SISLOP	MAINTAINED	NO	TB38-5 & 7	SLOT 4/12 CKT.B	OPENING / OPENED	
	B7	150	OPEN FEEDWATER RECIRC. SYS. VALVE	CV-875A	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB38-9 & 11	SLOT 5/13 CKT.A	OPENING - 20 SEC. SLEW RATE	B7-ONE SECOND TIME DELAY BETWEEN ACTUAL OPENING OF CV-875A & CLOSING OF CV-36
	B8	151	OPEN REFUEL WTR. TO CHG. PMP. SUCTION V.	MOV-1100D	MCC #2	42-12A76	—	SIS/SISLOP	MAINTAINED	NO	TB39-1 & 3	SLOT 5/13 CKT.A	OPENING / OPENED	
	B8-1	152	START FDW PUMP L.O. COOLER FAN #A17A	FDW PMP L.O. CLR. FAN #A17A	MCC #2	42-1282	1HP	SIS/SISLOP	MAINTAINED	NO	TB39-5 & 7	SLOT 4/12 CKT.B	△	
	B9 **	153	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB39-9 & 11	SLOT 5/13 CKT.C	△	
	B10 **	154	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB40-1 & 3	SLOT 5/13 CKT.C	△	
	B11 *	155	START EMERGENCY SIREN	SIREN	MCC #2	8-1293A	10 HP	SIS/SISLOP	MAINTAINED	NO	TB57-1 & 3	SLOT 5/13 CKT.A	△	
	B12 **	156	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB40-5 & 7	SLOT 5/13 CKT.C	△	
	B12-1 *	157	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB58-1 & 3	SLOT 5/13 CKT.B	△	
	B13	158	START FEEDWATER PUMP	FDW. PMP., E	4160V, #2C	12C04	3500 HP	SIS/SISLOP	MAINTAINED	NO	TB40-9 & 11	SLOT 4/12 CKT.D	△	
	B14	159	CLOSE HP FEEDWATER HTR. ISOLATION V.	HV-852A	DC BUS #2	—	DC	SIS/SISLOP	MAINTAINED	NO	TB41-1 & 3	SLOT 4/12 CKT.B	CLOSING / CLOSED	
	B15	160	CLOSE LP FEEDWATER HTR. ISOLATION V.	HV-854A	DC BUS #2	—	DC	SIS/SISLOP	MAINTAINED	NO	TB41-5 & 7	SLOT 4/12 CKT.B	CLOSING / CLOSED	
	B16	161	BLOCK O/L RELAY TRIP OF S.I. PUMP	O/L TRIP S.I. PMP., E	4160V, #2C	12C05	PART OF B2	SIS/SISLOP	MAINTAINED	NC	TB41-9 & 11	SLOT 4/12 CKT.A	△	
	B16-1 *	162	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB68-1 & 3	SLOT 4/12 CKT.D	△	
	B17	163	BLOCK O/L RELAY TRIP OF FDW. PUMP	O/L TRIP FDW. PMP., W	4160V, #2C	12C04	PART OF B13	SIS/SISLOP	MAINTAINED	NC	TB42-1 & 3	SLOT 4/12 CKT.A	△	
	B18	164	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB42-5 & 7	SLOT 5/13 CKT.A	△	
	B19	165	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB42-9 & 11	SLOT 5/13 CKT.B	△	
	B20 *	166	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NC	TB69-1 & 3	SLOT 5/13 CKT.B	△	
	B21	167	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NC	TB43-1 & 3	SLOT 5/13 CKT.B	△	
	B22	168	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NC	TB43-5 & 7	SLOT 5/13 CKT.B	△	
	B23	169	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB43-9 & 11	SLOT 4/12 CKT.C	△	
12 SEC.	C1	170	CLOSE RECIRC. TO CONDENSER VALVE	CV-36	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB53-1 & 3	SLOT 6/14 CKT.A	△	C1-ONE SECOND TIME DELAY BETWEEN OPENING OF CV875A & CLOSING OF CV-36
	C2	171	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB53-5 & 7	SLOT 6/14 CKT.B	△	
21 SEC.	D1	172	START CHARGING PUMP	CHG. PMP. N	4160V, #2C	12C07	600 HP	SIS/SISLOP	MAINTAINED	NO	TB28-1 & 3	SLOT 7/15 CKT.A	△	D3-MOV 720B OPENING INTERLOCKED WITH AUX. CONTACT OF S.W. CLG. PUMP CKT. BKR.
	D2	173	START COMPONENT COOLING PUMP	COMP. CLG. PMP. B CTR.	480V, SWGR. #2	1221	125 HP	SIS/SISLOP	MAINTAINED	NO	TB28-5 & 7	SLOT 7/15 CKT.A	△	
	D3	174	START SALT WATER COOLING PUMP	SALT WTR. CLG. PMP. S	480V, SWGR. #2	1214	100 HP	SIS/SISLOP	MAINTAINED	NO	TB28-9 & 11	SLOT 7/15 CKT.A	△	
	D4	175	CHARGING PUMP INTERLOCK	CHG. PMP. INTLK.	4160V #2C	12C07	DC	SIS/SISLOP	MAINTAINED	NO	TB29-1 & 3	SLOT 7/15 CKT.A	△	
	D5	176	SIS TO CONTAINMENT SPRAY ACTUATION SYS.	SIS SPRAY SYS.	DC	—	DC	SIS/SISLOP	MAINTAINED	NO	TB29-5,6,7&8	SLOT 7/15 CKT.D	△	D5-TWO FORM "A" INDEPENDENT OUTPUTS-SEE DWG. 5149180
	D6	177	START COMPONENT COOLING PMP. (ALT.)	COMP. CLG. PMP. S	480V, SWGR. #3	52-1305	100 HP	SIS/SISLOP	MAINTAINED	NO	TB29-9 & 11	SLOT 7/15 CKT.B	△	
	D7	178	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NC	TB30-1 & 3	SLOT 7/15 CKT.C	△	
	D8	179	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB30-5 & 7	SLOT 7/15 CKT.C	△	
	D9	180	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB30-9 & 11	SLOT 7/15 CKT.C	△	
	D10	181	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB31-1 & 3	SLOT 7/15 CKT.C	△	
ADJUSTABLE	E1	182	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	T959-1 & 3	SLOT 8/15 CKT.A		
	E2	183	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB59-5 & 7	SLOT 8/16 CKT.A		
	E3	184	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB59-9 & 11	SLOT 8/16 CKT.A		
	E4	185	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NC	TB60 1 & 3	SLOT 8/16 CKT.A		
ADJUSTABLE	F1	186	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB66-1 & 3	SLOT 8/16 CKT.A		
	F2	187	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB66-5 & 7	SLOT 8/16 CKT.A		
	F3	188	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NO	TB66-9 & 11	SLOT 8/16 CKT.A		
	F4	189	SPARE	—	—	—	—	SIS/SISLOP	MAINTAINED	NC	TB67-1 & 3	SLOT 8/16 CKT.A		

FOR LEGEND & NOTES REFER TO DWG. 5149178

SONGS NO. I
SAFETY RELATED

Reference Drawings	
5149958	SIS-LOP-SISLOP TRAIN #2
5149957	SIS-LOP-SISLOP TRAIN #1
5149178	LOAD SEQ. SCH. LOAD TRAIN #1
5149180	SEQUENCER LOGIC DIAGRAM

No.	Revisions	Date	Approved	O.K.	O.K.	Ck'd.	Made	J.O. No.
4	INCORP. CCN 6 EFF. IMMED.							0736
3	INCORP. CCN 5 EFF. IMMED.							0736
2	INCORP. CCN 4 - EFF. 10-1-78 RECRAWN							0736
No.	Revisions	Date	Approved	O.K.	O.K.	Ck'd.	Made	J.O. No.

Scale NONE

Location SAN ONOFRE NUCLEAR GEN. STA.

LOAD SEQUENCE SCHEDULE
LOAD TRAIN NO. 2

Southern California Edison Company

27 SCE ENG 18F NEW 3/75

8106160685 5149182-4

RETURN TO REACTOR DOCKET FILES

Docket # 50-206
Control # 7908150253
Date 79/08/09 of Document:
REGULATORY DOCKET FILE

Southern California Edison Company

26X