

JAN 11 1982

Connecticut Yankee
Annunciator Response Procedure
No. ANN 4.14-6

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

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APPROVED BY STATION SUPERINTENDENT	
EFFECTIVE DATE <i>1/11/82</i>	

- 1.0 ALARM TITLE: Bus 9 Level Two Trip
- 2.0 MODULE NUMBER: J1-1-6 Upper
- 3.0 SETPOINT: 62B1-9 agastat drop and actuated by at least 2 out of 3 selected level two units. Level two units are set for 3620 volts.
- 4.0 SIGNIFICANCE: Indicates that at least 2 out of 3 level two units have failed or a low voltage exists. An undervoltage trip will occur if a safety injection signal is present. 3620 volts is the lowest allowable voltage on the 4160 volt buses. Operation at a lower voltage may degrade electrical equipment.
- 5.0 PROCEDURE:
 - 5.1 If there is no safety injection signal at this time, a level-two trip alarm will be initiated. Once this alarm is received, the operator should notify CONVEX to try and increase the 115KV switchyard voltage. If the voltage can't be restored within 4 hours, the operator must bring the plant to hot standby.
 - 5.2 If a safety injection signal occurs while the degraded voltage logic is producing an output, the 86/1-9 lockout relay will operate. This relay will operate the 27Y, 27Y1, and 27Y2 relays which are used in the level one undervoltage scheme. These relays will do the following:
 - 27Y1/1-9
 - Trip HPSI Pump P-15-1A
 - Trip LPSI Pump P92A
 - Trip Charging Pump P-18-1A
 - 27Y2/1-9
 - Trip and Lockout 3T9
 - Trip and Lockout 9T3

27Y/1-9

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Operate 4/EG2B (to start the diesel)
Initiate Load Shedding (through the 94LS relay)
Trip and Lockout 4971 1-9
Close 6T7
Initiate Close of 52/EG2B
Block Auto Start of Charging Pump P-18-1A
Initiate Sequencing of Service Water Pump P-37-1C or P-37-1D.

When resetting these relays, it is important that the 86/1-9
be reset before 27Y-1-9 and that 27Y-1-9 and safety injection
4A and 4B relays be reset prior to resetting 4/EG2A.