ATTACHMENT 3

PROPOSED TECHNICAL SPECIFICATION

Marked-up Technical Specification Pages:

3/4 3-19
3/4 3-20
3/4 3-28
3/4 3-29
3/4 3-33a

TABLE 3.3-2 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION

FUNCTIONAL UNIT	TOTAL NO. OF CHANNELS	CHANNELS TO TRIP	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ACTION
6. Auxiliary Feedwater### (Continued)					
b. Stm. Gen. Water Level--Low-Low	3/steam generator	2/steam generator in any steam generator	2/steam generator	1, 2, 3	15
c. Safety Injection	See Item 1. above for all Safety Injection initiating functions and requirements.				
d. Bus Stripping	1/bus	1/bus	1/bus	1, 2, 3	23
e. Trip of All Main Feedwater Pumps Breakers	1/breaker	(1/breaker) /operating pump	(1/breaker) /operating pump	1, 2	23
7. Loss of Power					
a. 4.16 kV Busses A and B (Loss of Voltage)	2/bus	2/bus	2/bus	1, 2, 3, 4	18
b. 480 V Load Centers 3A, 3B, 3C, 3D and 4A, 4B, 4C, 4D ~~(2 instantaneous relays per load center)~~ Degraded Voltage	2 per load center	2 on any load center	2 per load center	1, 2, 3, 4	18
Coincident with: Safety Injection	See Item 1. above for all Safety Injection initiating functions and requirements				

TABLE 3.3-2 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION

FUNCTIONAL UNIT	TOTAL NO. OF CHANNELS	CHANNELS TO TRIP	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ACTION
7. Loss of Power (Continued)					
c. 480 V Load Centers 3A, 3B, 3C, 3D and 4A, 4B, 4C 4D ~~(2 inverse time relays per load center)~~ Degraded Voltage	2 per load center	2 on any load center	2 per load center	1, 2, 3, 4	18
8. Engineered Safety Features Actuation System Interlocks					
a. Pressurizer Pressure	3	2	2	1, 2, 3	19
b. T_{avg} - Low	3	2	2	1, 2, 3	19
9. Control Room Ventilation Isolation					
a. Automatic Actuation Logic and Actuation Relays	2	1	2	1, 2, 3, 4,6**	16
b. Safety Injection	See Item 1. above for all Safety Injection initiating functions and requirements.				
c. Containment Radio-activity--High	2	1	1	1, 2, 3, 4,6**	16
d. Containment Isolation Manual Phase A or Manual Phase B	2	1	2	1, 2, 3, 4	17
e. Control Room Air Intake Radiation Level	2	1	2	All	24

TABLE 3.3-3 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM
INSTRUMENTATION TRIP SETPOINTS

FUNCTIONAL UNIT	ALLOWANCE (TA)	Z	S	TRIP SETPOINT	ALLOWABLE VALUE#
7. Loss of Power (Continued)					
b. 480V Load Centers ~~(Instantaneous Relays)~~ Degraded Voltage					
Load Center					
3A	[ ]	[ ]	[ ]	430V±5V (10 sec ± 1 sec delay)	[ ]
3B	[ ]	[ ]	[ ]	438V±5V (10 sec ± 1 sec delay)	[ ]
3C	[ ]	[ ]	[ ]	434V±5V (10 sec ± 1 sec delay)	[ ]
3D	[ ]	[ ]	[ ]	434V±5V (10 sec ± 1 sec delay)	[ ]
4A	[ ]	[ ]	[ ]	435V±5V (10 sec ± 1 sec delay)	[ ]
4B	[ ]	[ ]	[ ]	434V±5V (10 sec ± 1 sec delay)	[ ]
4C	[ ]	[ ]	[ ]	434V±5V (10 sec ± 1 sec delay)	[ ]
4D	[ ]	[ ]	[ ]	430V±5V (10 sec ± 1 sec delay)	[ ]
Coincident with: Safety Injection and	see item 1			See Item 1. above for all Safety Injection Trip Setpoints and Allowable Values.	
Diesel Generator Breaker Open				N.A.	N.A.

TABLE 3.3-3 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM
INSTRUMENTATION TRIP SETPOINTS

FUNCTIONAL UNIT	ALLOWANCE (TA)	Z	S	TRIP SETPOINT	ALLOWABLE VALUE
7. Loss of Power (Continued)					
c. 480V Load Centers ~~(Inverse Time Relays)~~ Degraded Voltage					
Load Center					
3A	[ ]	[ ]	[ ]	424V±5V(60 sec ±30 sec delay)	[ ]
3B	[ ]	[ ]	[ ]	427V±5V(60 sec ±30 sec delay)	[ ]
3C	[ ]	[ ]	[ ]	437V±5V(60 sec ±30 sec delay)	[ ]
3D	[ ]	[ ]	[ ]	435V±5V(60 sec ±30 sec delay)	[ ]
4A	[ ]	[ ]	[ ]	430V±5V(60 sec ±30 sec delay)	[ ]
4B	[ ]	[ ]	[ ]	436V±5V(60 sec ±30 sec delay)	[ ]
4C	[ ]	[ ]	[ ]	434V±5V(60 sec ±30 sec delay)	[ ]
4D	[ ]	[ ]	[ ]	434V±5V(60 sec ±30 sec delay)	[ ]
Coincident with: Diesel Generator Breaker Open	N.A.	N.A.	N.A	N.A.	N.A.

TABLE 4.3-2 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION
SURVEILLANCE REQUIREMENTS

CHANNEL FUNCTIONAL UNIT	CHANNEL CHECK	CHANNEL CALIBRATION	ANALOG CHANNEL OPERATIONAL TEST	TRIP ACTUATING DEVICE OPERATIONAL TEST	ACTUATION LOGIC TEST#	MODES FOR WHICH SURVEILLANCE IS REQUIRED
6. Auxiliary Feedwater (Continued)						
c. Safety Injection	See Item 1. above for all Safety Injection Surveillance Requirements.					
d. Bus Stripping	N.A.	R	N.A.	R	N.A.	1, 2, 3
e. Trip of All Main Feedwater Pump Breakers.	N.A.	N.A.	N.A.	R	N.A.	1, 2
7. Loss of Power						
a. 4.16 kV Busses A and B (Loss of Voltage)	N.A.	R	N.A.	R	N.A.	1, 2, 3, 4
b. 480V Load Centers 3A,3B,3C,3D and 4A,4B,4C,4D ~~(Instantaneous Relays)~~ Degraded Voltage	S	R	N.A.	M(1)	N.A.	1, 2, 3, 4
Coincident with: Safety Injection	See Item 1. above for all Safety Injection Surveillance Requirements.					
c. 480V Load Centers 3A,3B,3C,3D and 4A,4B,4C,4D ~~(Inverse Time Relays)~~ Degraded Voltage	S	R	N.A.	M(1)	N.A.	1, 2, 3, 4