ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
I. One channel inoperable.	---------- NOTE ---------- The inoperable channel may be bypassed for up to 12 hours for surveillance testing of other channels. ---------- I.1 Place channel in trip. OR I.2 Be in MODE 3.	 72 hours 78 hours
J. One or more Main Feedwater Pumps trip channel(s) inoperable.	---------- NOTE ---------- One inoperable channel may be bypassed for up to 2 hours for surveillance testing of other channels. ---------- J.1 Place channel(s) in trip. OR J.2 Be in MODE 3.	 1 hour 7 hours

(continued)

INSERT A

INSERT A

CONDITION	REQUIRED ACTION	COMPLETION TIME
J. Two channels inoperable within different separation groups.	J.1 Place one channel in trip.	1 hour

ACTIONS (continued)

CONDITION	REQUIRED ACTION		COMPLETION TIME
M. ~~Not used.~~ INSERT B			
N. One or more Containment Pressure - Environmental Allowance Modifier channel(s) inoperable.	N.1	Place channel(s) in trip.	72 hours
	OR		
	N.2.1	Be in MODE 3.	78 hours
	AND		
	N.2.2	Be in MODE 4.	84 hours
O. One channel inoperable.	O.1	Place channel in trip.	~~1 hour~~ 24 hours
	AND		
	O.2	Restore channel to OPERABLE status.	During performance of the next required COT

(continued)

INSERT B

CONDITION	REQUIRED ACTION	COMPLETION TIME
M. ----------NOTE---------- Separate Condition entry is allowed per channel. ---------- One channel inoperable.	----------NOTE---------- One inoperable channel may be bypassed for up to 2 hours for surveillance testing of other channels. ---------- M.1 Place channel in trip.	 24 hours

ACTIONS (continued)

CONDITION	REQUIRED ACTION		COMPLETION TIME
P. One or more channel(s) inoperable.	P.1	Declare associated auxiliary feedwater pump(s) inoperable.	Immediately
	AND		
	P.2	Declare associated steam generator blowdown and sample line isolation valve(s) inoperable.	Immediately
Q One train inoperable.	---------- NOTE ---------- One train may be bypassed for up to 2 hours for surveillance testing provided the other train is OPERABLE. ----------		
INSERT C →	~~Q.1~~ Q.2.1	Be in MODE 3.	~~6~~ 30 hours
	AND		
	Q.2.2	Be in MODE 4.	~~12~~ 36 hours
R. One or both train(s) inoperable.	R.1	Restore train(s) to OPERABLE status.	48 hours
	OR		
	R.2.1	Be in MODE 3.	54 hours
	AND		
	R.2.2	Be in MODE 4.	60 hours

(continued)

INSERT C

REQUIRED ACTION	COMPLETION TIME
Q.1 Restore train to OPERABLE status. OR	24 hours

ACTIONS (continued)

CONDITION	REQUIRED ACTION		COMPLETION TIME
S. One train inoperable	---------- NOTE ---------- One train may be bypassed for up to 4 hours for surveillance testing provided the other train is OPERABLE. ----------		
	S.1	Restore train to OPERABLE status.	6 hours
	OR		
	S.2.1	Be in MODE 3.	12 hours
	AND		
	S.2.2	Be in MODE 4.	18 hours

INSERT D

INSERT D

CONDITION	REQUIRED ACTION	COMPLETION TIME
T. Three or four channels inoperable.	T.1 Restore two channels in the same separation group to OPERABLE status.	1 hour
U. Required Action and associated Completion Time of Conditions J, M, or T not met.	U.1 Be in MODE 3.	6 hours

No changes – provided for context only

Table 3.3.2-1 (page 8 of 11)
Engineered Safety Feature Actuation System Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS	SURVEILLANCE REQUIREMENTS	ALLOWABLE VALUE[a]
6. Auxiliary Feedwater					
a. Manual Initiation	1, 2, 3	1/pump	P	SR 3.3.2.8	NA
b. Automatic Actuation Logic and Actuation Relays (SSPS)	1,2,3	2 trains	G	SR 3.3.2.2 SR 3.3.2.4 SR 3.3.2.6	NA
c. Automatic Actuation Logic and Actuation Relays (BOP ESFAS)	1,2,3	2 trains	Q	SR 3.3.2.3	NA
d. SG Water Level Low-Low					
(1) Steam Generator Water Level Low-Low (Adverse Containment Environment)	1, 2, 3	4 per SG	D	SR 3.3.2.1 SR 3.3.2.5 SR 3.3.2.9 SR 3.3.2.10	≥ 20.6%[s] of Narrow Range Instrument Span
(2) Steam Generator Water Level Low-Low (Normal Containment Environment)	1[r], 2[r], 3[r]	4 per SG	D	SR 3.3.2.1 SR 3.3.2.5 SR 3.3.2.9 SR 3.3.2.10	≥ 16.6%[s] of Narrow Range Instrument Span

(a) The Allowable Value defines the limiting safety system setting except for Functions 1.e, 4.e.(1), 5.c, 5.e.(1), 5.e.(2), 6.d.(1), and 6.d.(2) (the Nominal Trip Setpoint defines the limiting safety system setting for these Functions). See the Bases for the Nominal Trip Setpoints.

(r) Except when the Containment Pressure – Environmental Allowance Modifier channels in the same protection sets are tripped.

(s) 1. If the as-found instrument channel setpoint is conservative with respect to the Allowable Value, but outside its as-found test acceptance criteria band, then the channel shall be evaluated to verify that it is functioning as required before returning the channel to service. If the as-found instrument channel setpoint is not conservative with respect to the Allowable Value, the channel shall be declared inoperable.
2. The instrument channel setpoint shall be reset to a value that is within the as-left setpoint tolerance band on either side of the Nominal Trip Setpoint, or to a value that is more conservative than the Nominal Trip Setpoint; otherwise, the channel shall be declared inoperable. The Nominal Trip Setpoints and the methodology used to determine the as-found test acceptance criteria band and the as-left setpoint tolerance band shall be specified in the Bases.

Table 3.3.2-1 (page 9 of 11)
Engineered Safety Feature Actuation System Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS	SURVEILLANCE REQUIREMENTS	ALLOWABLE VALUE[a]
6. Auxiliary Feedwater					
d. SG Water Level Low-Low					
(3) Not used.					
(4) Containment Pressure - Environmental Allowance Modifier	1, 2, 3	4	N	SR 3.3.2.1 SR 3.3.2.5 SR 3.3.2.9 SR 3.3.2.10	≤ 2.0 psig
e. Safety Injection	Refer to Function 1 (Safety Injection) for all initiation functions and requirements.				
f. Loss of Offsite Power	1,2,3	2 trains	R	SR 3.3.2.7 SR 3.3.2.10	NA
g. Trip of all Main Feedwater Pumps	1,2[n]	~~2 per pump~~ 4	J, M, T	SR 3.3.2.8	NA
h. Auxiliary Feedwater Pump Suction Transfer on Suction Pressure - Low	1,2,3	3	O	SR 3.3.2.1 SR 3.3.2.9 SR 3.3.2.10 SR 3.3.2.12	≥ 20.64 psia

(a) The Allowable Value defines the limiting safety system setting except for Functions 1.e, 4.e.(1), 5.c, 5.e.(1), 5.e.(2), 6.d.(1), and 6.d.(2) (the Nominal Trip Setpoint defines the limiting safety system setting for these Functions). See the Bases for the Nominal Trip Setpoints.

(n) Trip function may be blocked just before shutdown of the last operating main feedwater pump and restored just after the first main feedwater pump is put into service following performance of its startup trip test.

(u) INSERT E

INSERT E

(u) Trip function may be blocked for no more than 1 hour to place a main feedwater pump into service.