ACTIONS (continued)

CONDITION		REQUIRED ACTION	COMPLETION TIME
<ul> <li>D. One Power Range Neutron</li> <li>Flux - High channel</li> <li>inoperable.</li> </ul>	NOTE The inoperable channel or another channel may be bypassed for up to 12 hours for surveillance testing and setpoint adjustment of other channels.		
	D.1.1	NOTE Only required to be performed when the Power Range Neutron Flux input to QPTR is inoperable.	
		Perform SR 3.2.4.2.	12 hours from discovery of THERMAL POWER > 75% RTP
			AND
			Once per 12 hours thereafter
	AND	<u>2</u>	
	D.1.2	Place channel in trip.	72 hours
	<u>OR</u>		
	D.2	Be in MODE 3	78 hours
	L		(continued)

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CONDITION		REQUIRED ACTION	COMPLETION TIME
E. One channel inoperable.	The inc channe 12 hou	operable channel or another in may be bypassed for up to rs for surveillance testing of hannels.	
	E.1 <u>OR</u>	Place channel in trip.	72 hours
	E.2	Be in MODE 3.	78 hours
F. One Intermediate Range Neutron Flux channel inoperable.	F.1 <u>OR</u>	Reduce THERMAL POWER to < P-6.	24 hours
	F.2	Increase THERMAL POWER to > P-10.	24 hours
G. Two Intermediate Range Neutron Flux channels inoperable.	G.1	Limited boron concentration changes associated with RCS inventory control or limited plant temperature changes are allowed.	
	-	Suspend operations involving positive reactivity additions.	Immediately
	AND		
	G.2	Reduce THERMAL POWER to < P-6.	2 hours
H. Not used.			

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COMANCHE PEAK - UNITS 1 AND 2

CONDITION	REQUIRED ACTION	COMPLETION TIME
M. One channel inoperable.	The inoperable channel or another channel may be bypassed for up to 12 hours for surveillance testing of other channels.	
	M.1 Place channel in trip.	72 hours
	M.2 Reduce THERMAL POWER to < P-7.	78 hours
N. Not used.		
<ol> <li>One Low Fluid Oil pressure Turbine Trip channel inoperable.</li> </ol>	The inoperable channel or another channel may be bypassed for up to 12 hours for surveillance testing of other channels.	
	O.1 Place channel in trip.	72 hours
	O.2 Reduce THERMAL POWER to < P-9.	76 hours

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ACTIONS (continued)

	REQUIRED ACTION	COMPLETION TIME	
P.1	Place channel(s) in trip.	72 hours	1
P.2	Reduce THERMAL POWER to < P-9.	76 hours	ł
NOTE One train may be bypassed for up to 4 hours for surveillance testing provided the other train is OPERABLE.			-
Q.1	Restore train to OPERABLE status.	/ 24 hours	
<u>OR</u> Q.2	Be in MODE 3.	30 hours	1
	OR P.2 One tr to 4 ho provide OPER Q.1 OR	P.1       Place channel(s) in trip.         OR	P.1Place channel(s) in trip.72 hoursOR7276 hoursP.2Reduce THERMAL POWER to < P-9.76 hoursOne train may be bypassed for up to 4 hours for surveillance testing provided the other train is OPERABLE.76 hoursQ.1Restore train to OPERABLE status.24 hoursOR24 hours

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ACTIONS (continued)	1			
CONDITION		REQUIRED ACTION	COMPLETION TIME	
R. One RTB train inoperable.	One tra to 4 ho or mair	ain may be bypassed for up urs for surveillance testing ntenance, provided the other OPERABLE.		 
	R.1	Restore train to OPERABLE status.	24 hours	
	<u>OR</u>			
	R.2	Be in MODE 3.	30 hours	l
S. One or more required	S.1	Verify interlock is in required state for existing unit conditions.	1 hour	-
	<u>OR</u>			
	S.2	Be in MODE 3.	7 hours	

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SURVEILLANCE REQUIREMENTS (continued)

	SURVEILLANCE	FREQUENCY
SR 3.3.1.2	NOTESNOTESNOTES	
	2. Not required to be performed until 24 hours after THERMAL POWER is ≥ 15% RTP.	
	Compare results of calorimetric heat balance calculation to Nuclear Instrumentation System (NIS) and N-16 Power Monitor channel output.	24 hours
SR 3.3.1.3	NOTESNOTES 1. Adjust NIS channel if absolute difference is ≥ 3%.	
	<ul> <li>2. Not required to be performed until 24 hours after THERMAL POWER is ≥ 50% RTP.</li> </ul>	
	Compare results of the incore detector measurements to NIS AFD.	31 effective full power days (EFPD)
SR 3.3.1.4	NOTENOTE This Surveillance must be performed on the reactor trip bypass breaker for the local manual shunt trip only prior to placing the bypass breaker in service.	
	Perform TADOT.	62 days on a STAGGERED TEST BASIS
<u>,,                                   </u>		(continued)

SURVEILLANCE REQUIREMENTS (continued)

	CE REQUIREMENTS (continued) SURVEILLANCE	FREQUENCY	
SR 3.3.1.5	Perform ACTUATION LOGIC TEST.	92 days on a STAGGERED TEST BASIS	
SR 3.3.1.6	Not required to be performed until 72 hours after achieving equilibrium conditions with THERMAL POWER ≥ 75 % RTP.		-
	Calibrate excore channels to agree with incore detector measurements.	92 EFPD	
SR 3.3.1.7	<ul> <li>NOTESNOTESNOTES</li></ul>		
	Perform COT.	184 days	

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## SURVEILLANCE REQUIREMENTS (continued)

	SURVEILLANCE	FREQUENCY
SR 3.3.1.8	NOTE This Surveillance shall include verification that interlocks P-6 and P-10 are in their required state for existing unit conditions.	
	Perform COT.	NOTE Only required when not performed within previous 184 days
		Prior to reactor startup
		AND
		12 hours after reducing power below P-10 for power and intermediate instrumentation
		AND
		Four hours after reducing power below P-6 for source range instrumentation
		AND
		Every 184 days thereafter
	<u> </u>	(continued)

CONDITION		REQUIRED ACTION		
C. One train inoperable.	One tra to 4 ho	ain may be bypassed for up ours for surveillance testing ed the other train is ABLE.		
	C.1	Restore train to OPERABLE status.	24 hours	
	OR			
	C.2.1	Be in MODE 3.	30 hours	
	AN	D		
	C.2.2	Be in MODE 5.	60 hours	
D. One channel inoperable.	The inc channe 12 hou	perable channel or another al may be bypassed for up to rs for surveillance testing of hannels.		
	D.1 <u>OR</u>	Place channel in trip.	72 hours	
	D.2.1	Be in MODE 3.	78 hours	]
	AN	<u>D</u>		
	D.2.2	Be in MODE 4.	84 hours	,

ACTIONS (continued)

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CONDITION		REQUIRED ACTION	COMPLETION TIM	E
E. One Containment Pressure channel inoperable.	NOTE One additional channel may be bypassed for up to 12 hours for surveillance testing.			ł
	E.1 <u>OR</u>	Place channel in bypass.	72 hours	I
		- · · · · ·		
	E.2.1	Be in MODE 3.	78 hours	I
	AN	D		
	E.2.2	Be in MODE 4.	84 hours	1
F. One channel or train inoperable.	F.1	Restore channel or train to OPERABLE status.	48 hours	
	<u>OR</u>			
	F.2.1	Be in MODE 3.	54 hours	
	ANI	<u>D</u>		
	F.2.2	Be in MODE 4.	60 hours	

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CONDITION		REQUIRED ACTION	COMPLETION	I TIME
G. One train inoperable.	One tra to 4 ho	NOTE ain may be bypassed for up ours for surveillance testing ed the other train is ABLE.		
	G.1	Restore train to OPERABLE status.	24 hours	
	OR			
	G.2.1	Be in MODE 3.	30 hours	[
	AN	D		
	G.2.2	Be in MODE 4.	36 hours	I
H. One train inoperable.	One train may be bypassed for up to 4 hours for surveillance testing provided the other train is OPERABLE.			
	H.1	Restore train to OPERABLE status.	24 hours	I
	<u>OR</u>			
	H.2	Be in MODE 3.	30 hours	I

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ACTIONS	(continued)	. •

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CONDITION		REQUIRED ACTION	COMPLETION	TIME
I. One channel inoperable.	The ind channe 12 hou	operable channel or another el may be bypassed for up to irs for surveillance testing of channels.		
	I.1 <u>OR</u>	Place channel in trip.	72 hours	
	1.2	Be in MODE 3.	78 hours	
J. One Main Feedwater Pump trip channel inoperable.	J.1 <u>OR</u>	Place channel in trip.	6 hour	
	J.2	Be in MODE 3.	12 hours	
K. One channel inoperable.	NOTE One additional channel may be bypassed for up to 12 hours for surveillance testing.			<b>!</b>
	к.1 <u>OR</u>	Place channel in bypass.	72 hours	1
•	K.2.1	Be in MODE 3.	78 hours	· [
	AND			
	K.2.2	Be in MODE 5.	108 hours	1

(continued)

ACTIONS (continued)

CONDITION		REQUIRED ACTION	COMPLETION TIME
L. One or more required channel(s) inoperable.	L.1	Verify interlock is in required state for existing unit condition.	1 hour
	OR		
	L.2.1	Be in MODE 3.	7 hours
	AN	D	
	L.2.2	Be in MODE 4.	13 hours

## SURVEILLANCE REQUIREMENTS

Refer to Table 3.3.2-1 to determine which SRs apply for each ESFAS Function.

SURVEILLANCE		FREQUENCY	
SR 3.3.2.1	Perform CHANNEL CHECK.	12 hours	
SR 3.3.2.2	Perform ACTUATION LOGIC TEST.	92 days on a STAGGERED TEST BASIS	
SR 3.3.2.3	Not Used.	······································	

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SURVEILLAN	ICE REQUIREMENTS (continued)	
	SURVEILLANCE	FREQUENCY
SR 3.3.2.4	Perform MASTER RELAY TEST.	92 days on a STAGGERED TEST BASIS
SR 3.3.2.5	Perform COT.	184 days İ
SR 3.3.2.6	Perform SLAVE RELAY TEST.	92 days <u>OR</u>
		18 months for Westinghouse type AR relays with AC coils
SR 3.3.2.7	NOTESNOTES	
	<ol> <li>Actuation of final devices not included</li> </ol>	
	Perform TADOT.	31 days
SR 3.3.2.8	NOTENOTENOTE	
	Perform TADOT.	18 months
SR 3.3.2.9	NOTENOTENOTENOTE	
	Perform CHANNEL CALIBRATION.	18 months
	<u> </u>	(continued)

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## Containment Ventilation Isolation Instrumentation 3.3.6

SURVEILLAN	CE REQUIREMENTS (continued)	
	SURVEILLANCE	FREQUENCY
SR 3.3.6.2	Perform ACTUATION LOGIC TEST.	92 days on a STAGGERED TEST BASIS
SR 3.3.6.3	Perform MASTER RELAY TEST.	92 days on a STAGGERED TEST BASIS
SR 3.3.6.4	Perform COT.	92 days
SR 3.3.6.5	Perform SLAVE RELAY TEST.	92 days <u>OR</u> 18 months for Westinghouse type AR relays with AC coils
SR 3.3.6.6	Not Used.	
SR 3.3.6.7	Perform CHANNEL CALIBRATION.	18 months

COMANCHE PEAK - UNITS 1 AND 2

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