

Facility: ANO-2		Scenario No.: 2		Op-Test No.: 2000-1	
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Examiners:				Operators:	
<p>Objectives:</p> <p>Evaluate AOP usage for pressurizer pressure transmitter failure and steam generator pressure transmitter failure. Evaluate AOP usage for RCP seal failures requiring plant shutdown and reactor trip. Evaluate EOP usage for Loss of Coolant Accident when vapor seal fails.</p>					
<p>Initial Conditions:</p> <p>100%, MOL, All ESF systems in standby.</p>					
<p>Turnover:</p> <p>Maintain 100% power. Maintenance scheduled to clean service water pump strainers later in shift.</p>					
Event No.	Malf. No.	Event Type*	Event Description		
1 T = 0	XRCCHAPLVL	I (CBOR)	Control Channel "A" pressurizer level fails low.		
2 T = 10	XSG2PT10411	I (CBOT)	Channel A SG pressure fails low.		
3 T = 20	RCP2P32BLOW RCP2P32BMID RCO2P32BUPP	C (CBOR) R (CBOR) N (ALL)	RCP seal failures requiring a plant shutdown and leading to manual reactor trip when third seal fails.		
4 T = 25	RCSLOCATCB	M (ALL)	Loss of coolant accident after reactor trip due to vapor seal leakage.		
5 T = 30	HPI2P89AFAL ESFK110A (New Malf)	C (CBOT)	A HPSI pump fails to auto start due to faulty ESF relay K110A. This relay failure also prevents CNTMT air sample valves 2SV-8273-1 and 8233-1 from auto closing.		
6 T = 30	416_2A406 (New Malf)	C (CBOT)	B HPSI pump fails due to breaker fault.		

* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor