Appendix	ppendix D Scenario Outline Form ES-D-1						
Facility: _	Point Beach s:	Sce	nario No.: _ <u>1</u> Operators: 	Op-Test No.: <u>2017</u>			
Initial Control been remote outage. 11	Initial Conditions: <u>Unit 1 is at approximately 100%. 1PT-950, Loop B Containment Pressure has</u> been removed from service. Repairs are expected to be complete during the upcoming refueling outage. 1W-3B, Control Rod Shroud Fan is OOS due to imminent motor failure.						
1 urnover: <u>30%/hr in</u> 	Turnover: Normal Shift routine. Lower power utilizing OP 3A, Power Operation to Hot Standby at 30%/hr in preparation for refueling outage						
Event No.	Malf. No.	Event Type*	E Des	event cription			
1	XMT1CNM014A	I-BOP I-SRO TS-SRO	1PT-947, Loop A Containment Pressure Transmitter fails				
2	CNH1CFW003F	I-BOP I-SRO	1PC-2273, Feedwater Heater Emergency Bypass Valve Cont oscillates in automatic				
3	XMT1AFW005A	TS-SRO	O 0LT-4040, T-24A CST Level Transmitter fails low				
4	ANN-C02D-A09	R-RO N-BOP R-SRO	1X01, Main Transformer loss of cooling (rapid down power)				
5	CNH1PCS004F	C-RO C-SRO	1P-2A, Auto Charging Pump controller oscillation failure				
6	MAL1RCS001	M-ALL	Large Break LOCA				
7	BKR1RHR001 MOT1RHR002	HR001 HR002 C-BOP 1P-10A, RHR pump fails to start in Auto 1P-10B, RHR pump trips upon starting					
8	RLY1PPL020 RLY1PPL021	C-BOP	Containment Spray fails to actua	te			
* (N	I)ormal, (R)e	eactivity, (I)ns	trument, (C)omponent, (M)ajor				

Facility: Point Beach Scenario No.: 2 Op-Test No.: 2017	Appendix	D		Scen	ario Outline	Form ES-D-1
Examiners:	Facility: _	Point Beach	Sce	nario No.:	_2	Op-Test No.: _2017
Event Initial Conditions: Unit 1 is in OP 1C, Startup to Power Operation, at approximately 29% post chemistry hold coming out of a forced outage. Chemistry has requested a bump of Main Feed and Condensate pumps for iron flushing in accordance with Step 5.31. 1W-3B, Control Rod Shroud Fan is OOS due to imminent motor failure. 1PT-950, Loop B Containment Pressure has been removed from service. Repairs are expected to be complete during the upcoming refueling outage. Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and 1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. 1 N-BOP N-BOP N-SRO 8 ump SG Feed Pump and Condensate Pump 2 R-RO N-BOP Raise power to 50% 3 Matrisceen 4 Matrisceen 5 MultiReprote 6 Multisceen 7 Multisceen 7 Multisceen 7 Multisceen 8 Mortuse 8 Mortuse 9 Condensate Pump 1 N-BOP 8 Matrisceen 1 N-BOP	Examiner	s.			Operators:	
Initial Conditions: Unit 1 is in OP 1C, Startup to Power Operation, at approximately 29% post chemistry hold coming out of a forced outage. Chemistry has requested a bump of Main Feed and Condensate pumps for inon flushing in accordance with Step 5.31. 1W-3B, Control Rod Shroud Fan is OOS due to imminent motor failure. 1PT-950, Loop B Containment Pressure has been removed from service. Repairs are expected to be complete during the upcoming refueling outage.	Examiner					
Initial Conditions: Unit 1 is in OP 1C, Startup to Power Operation, at approximately 29% post chemistry hold coming out of a forced outage. Chemistry has requested a bump of Main Feed and Condensate pumps for iron flushing in accordance with Step 5.31. 1W-3B, Control Rod Shroud Fan is OOS due to imminent motor failure. 1PT-950, Loop B Containment Pressure has been removed from service. Repairs are expected to be complete during the upcoming refueling outage.					_	
Initial Conditions: _Unit 1 is in OP 1C, Startup to Power Operation, at approximately 29% post chemistry hold coming out of a forced outage. Chemistry has requested a bump of Main Feed and _Condensate pumps for iron flushing in accordance with Step 5.31. 1W-3B, Control Rod Shroud Fan _is OOS due to imminent motor failure. 1PT-950, Loop B Containment Pressure has been removed _from service. Repairs are expected to be complete during the upcoming refueling outage. Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and _1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and _1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. Event Maif. No. Event Type* Pumps SG Feed Pump and Condensate Pump R.800 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-R0 N-BOP Raise power to 50% R-SRO 3 XMT19SHORIA I-BOP I-SRO 1FI-464, SG Steam Flow fails slowly high T5-SRO 4 XMT19SHORIA I-BOP I-SRO 1PT-486, Turbine First Stage Pressure fails low T5-SRO 5 MAL1RCPR018 C-RO 1P-18, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCPR018 C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS)						
Chemistry hold coming dur of a forced outage. Chemistry has requested a bump of main Feed and Condensate pumps for iron flushing in accordance with Step 5.31. 1W-3B, Control Rod Shroud Fan is OOS due to imminent motor failure. 1PT-950, Loop B Containment Pressure has been removed from service. Repairs are expected to be complete during the upcoming refueling outage.	Initial Cond	ditions: <u>Uni</u>	<u>t 1 is in OP 1C</u>	<u>, Startup t</u>	<u>o Power Operat</u>	ion, at approximately 29% post
Condensate pumps for iron flushing in accordance with step 5.31. 1W-36, Control Rod Shoud Pan_ is OOS due to imminent motor failure. 1PT-950, Loop B Containment Pressure has been removed_ from service. Repairs are expected to be complete during the upcoming refueling outage. Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and	<u>Chemistry</u>	noid coming	OUT OF a force	d outage.	Chemistry has r	equested a bump of Main Feed and
IS OOS due to imminihent motor rature. TPT-950, Loop B Containment Pressure has been removed from service. Repairs are expected to be complete during the upcoming refueling outage. Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and 1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. Event Malf. No. Event Type* Event Description 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-RO R-SRO Raise power to 50% 3 XMT18GN001A I-BOP I-SRO 1FI-464, SG Steam Flow fails slowly high TS-SRO 4 XMT1MS3000A I-BOP I-SRO 1PT-486, Turbine First Stage Pressure fails low TS-SRO 5 MAL1RCP001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RC001B C-RO (CSP-S.1, Response to Nuclear Power Generation/ATWS) 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor (Mair		te pumps for		In accorda	nce with Step 5.	31. 1W-3B, Control Rod Shroud Fan
Trom service. Repairs are expected to be complete during the upcoming refueling outage. Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and 1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. Event Malf. No. Event Type* Description 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-RO N-SRO Bump SG Feed Pump and Condensate Pump 3 XMT1SGN001A I-BOP I-SRO 3 XMT1SGN001A I-BOP I-SRO 4 XMT1SGN001A I-BOP I-SRO 5 MALTRCP001B C-RO TS-SRO 6 MALTRCP001B C-RO C-SRO 7 MALTRCP001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOTTSISSO02 C-RO TS-S, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	<u>is OOS du</u>	<u>e to imminer</u>	nt motor failure	<u>e. 191-950</u>	<u>), Loop B Conta</u>	Inment Pressure has been removed
Turnover: Start 1P-28B, SGFP and 1P-25B, Condensate Pump then secure 1P-28B SGFP, and 1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. Event Malf. No. Event Type* Event Description 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-RO N-BOP R-SRO Raise power to 50% 3 XMT1SGN001A I-BOP I-SRO TS-SRO 1FI-464, SG Steam Flow fails slowly high TS-SRO 4 XMT1MS5009A I-BOP I-SRO TS-SRO 1PT-486, Turbine First Stage Pressure fails low TS-SRO 5 MAL1RC7001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RC3003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip (CSP-S-1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 EKR15IS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	trom servic	ce. Repairs	are expected	to be comp	blete during the	upcoming retueling outage.
1P-25B Condensate Pump after 5 minutes for iron flushing. Raise power to 50%. Event No. Malf. No. Event Type* Event Description 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-RO N-BOP R-SRO Raise power to 50% 3 XMT1SCN001A I-BOP I-SRO 3 XMT1SCN001A IFI-464, SG Steam Flow fails slowly high TS-SRO 4 XMT1MS5009A I-SRO TS-SRO 5 MALIRCP001B C-RO C-SRO 1P-18, RCP Seal leak develops, which degrades requiring reactor trip 6 MALIRCP001B C-RO C-SRO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SISCO EKRISSCO C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	Turnover:	Start 1P-28	B, SGFP and	1P-25B, Co	ondensate Pum	p then secure 1P-28B SGFP, and
Event No. Malf. No. Event Type* Event Description 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-RO N-BOP R-SRO Bump SG Feed Pump and Condensate Pump 3 XMT1SGN001A R-RO I-BOP I-SRO Raise power to 50% 4 XMT1SGN001A I-BOP I-SRO 1FI-464, SG Steam Flow fails slowly high TS-SRO 4 XMT1MSS009A I-BOP I-SRO 1PT-486, Turbine First Stage Pressure fails low TS-SRO 5 MAL1RCP001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCD014 C-RO (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor (Main Public)	1P-25B Co	ondensate P	ump after 5 m	inutes for i	ron flushing. Ra	aise power to 50%.
Event No. Malf. No. Event Type* Event Description 1 N-BOP N-SRO Bump SG Feed Pump and Condensate Pump 2 R-RO N-BOP R-SRO Raise power to 50% 3 XMT1SGN001A I-BOP I-SRO 1FI-464, SG Steam Flow fails slowly high TS-SRO 4 XMT1MSS008A I-BOP I-SRO 1PT-486, Turbine First Stage Pressure fails low TS-SRO 5 MAL1RCP001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCS003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip 7 MAL1PPL001A BRTS0021 C-RO IP-15A, SI Pump trips upon starting IP-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor (M)ajor			•			
Event No.Malf. No.Event Type*Event Description1N-BOP N-SROBump SG Feed Pump and Condensate Pump2R-RO N-BOP R-SRORaise power to 50% R-SRO3XMT1SGN00AI-BOP I-SRO TS-SRO1FI-464, SG Steam Flow fails slowly high TS-SRO4XMT1MSS00P N-BOP I-SRO I-SRO1PT-486, Turbine First Stage Pressure fails low TS-SRO5MaL1RCP001BC-RO C-SRO1P-1B, RCP Seal leak develops, which degrades requiring reactor trip6MAL1RCS003FM-ALLSmall Break LOCA from RTD Bypass Line occurs on reactor trip (CSP-S.1, Response to Nuclear Power Generation/ATWS)8MOT1SIS001 BC-BOP1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto						
No.Type*Description1N-BOP N-SROBump SG Feed Pump and Condensate Pump2R-RO N-BOP R-SRORaise power to 50%3XMT1SGN001AI-BOP I-SRO TS-SRO1FI-464, SG Steam Flow fails slowly high TS-SRO4XMT1MSS009AI-BOP I-SRO TS-SRO1PT-486, Turbine First Stage Pressure fails low5MALIRCP001BC-RO C-SRO1P-1B, RCP Seal leak develops, which degrades requiring reactor trip6MALIRCS003FM-ALLSmall Break LOCA from RTD Bypass Line occurs on reactor trip (CSP-S.1, Response to Nuclear Power Generation/ATWS)8MOT1SIS001 BKR1SIS002C-BOP1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto*(N)ormal, (R)=activity, (I)nstrument, (C)omponent, (M)ajor	Event	Malf. No.	Event			Event
1N-BOP N-SROBump SG Feed Pump and Condensate Pump2R-RO N-BOP R-SRORaise power to 50% R-SRO3XMT1SGN001AI-BOP I-SRO TS-SRO1FI-464, SG Steam Flow fails slowly high TS-SRO4XMT1MSS009AI-BOP I-SRO TS-SRO1PT-486, Turbine First Stage Pressure fails low TS-SRO5MAL1RCP001BC-RO C-SRO1P-1B, RCP Seal leak develops, which degrades requiring reactor trip6MAL1RCS003FM-ALLSmall Break LOCA from RTD Bypass Line occurs on reactor trip7MAL1PPL001A MALTPPL01BC-ROReactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS)8MOT1SIS001 BKR1SIS002C-BOP1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto*(Normal, (R)=activity, (I)nstrument, (C)omponent, (M)ajor	No.		Туре*			Description
2 R-RO N-BOP R-SRO Raise power to 50% 3 XMT1SGN001A I-BOP I-SRO TS-SRO 1FI-464, SG Steam Flow fails slowly high 4 XMT1MSS009A I-BOP I-SRO TS-SRO 1PT-486, Turbine First Stage Pressure fails low 5 MAL1RCP001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCS003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip 7 MAL1PPL001A MAL1PPL001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	1		N-BOP N-SRO	Bump SG	Feed Pump an	d Condensate Pump
3 I-BOP I-SRO TS-SRO 1FI-464, SG Steam Flow fails slowly high 4 XMT1MSS009A I-BOP I-SRO TS-SRO 1PT-486, Turbine First Stage Pressure fails low 5 MAL1RCP001B C-RO C-SRO 1PT-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCS003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip 7 MAL1PPL001A MAL1PPL001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	2		R-RO N-BOP R-SRO	Raise pov	wer to 50%	
4 XMT1MSS009A I-BOP I-SRO TS-SRO 1PT-486, Turbine First Stage Pressure fails low 5 MAL1RCP001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCS003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip 7 MAL1PPL001A MAL1PPL001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	3	XMT1SGN001A	I-BOP I-SRO TS-SRO	1FI-464, \$	SG Steam Flow	fails slowly high
5 MAL1RCP001B C-RO C-SRO 1P-1B, RCP Seal leak develops, which degrades requiring reactor trip 6 MAL1RCS003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip 7 MAL1PPL001A MAL1PPL001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	4	XMT1MSS009A	I-BOP I-SRO TS-SRO	1PT-486,	Turbine First St	age Pressure fails low
6 MAL1RCS003F M-ALL Small Break LOCA from RTD Bypass Line occurs on reactor trip 7 MAL1PPL001A MAL1PPL001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	5	MAL1RCP001B	C-RO C-SRO	1P-1B, R trip	CP Seal leak de	velops, which degrades requiring reactor
7 MAL1PPL001A MAL1PPL001B C-RO Reactor fails to trip (CSP-S.1, Response to Nuclear Power Generation/ATWS) 8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	6	MAL1RCS003F	M-ALL	Small Bre	ak LOCA from	RTD Bypass Line occurs on reactor trip
8 MOT1SIS001 BKR1SIS002 C-BOP 1P-15A, SI Pump trips upon starting 1P-15B, SI Pump fails to start in Auto * (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	7	MAL1PPL001A MAL1PPL001B	C-RO	Reactor fa	ails to trip , Response to N	luclear Power Generation/ATWS)
* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor	8	MOT1SIS001 BKR1SIS002	C-BOP	1P-15A, S 1P-15B, S	SI Pump trips up SI Pump fails to	on starting start in Auto
	* (N)ormal, (R)e	eactivity, (I)ns	trument, (C)omponent, (N	l)ajor

Appendix I	D		Scen	ario Outline		Form ES-D-1		
Facility: Point Beach Scenario No : 3 On-Test No : 2017								
Examiners	S:	<u> </u>		_ Operators:				
				_				
Initial Conc	ditions: <u>Uni</u>	t 1 was lowere	ed to appro	ximately 75% at	the request of MISO/ATC	due to grid		
stability iss	ues. Grid st	ability has bee	en restored	and the unit is	ready to be returned to full	power in		
accordance	e with OP 10	C, Startup to F	ower Oper	rations. 1P-2B, (Charging Pump is OOS ar	nd isolated		
<u>per OI 50,</u>	Charging Pu	ump Isolation f	or pump re	epairs. 1W-3B,	Control Rod Shroud Fan is	s OOS due_		
<u>to imminen</u>	nt motor failu	re. 1PT-950, I	Loop B Cor	ntainment Press	ure has been removed fro	m service		
Repairs are	e expected t	o be complete	e during the	e upcoming refu	eling outage.			
-	0							
Turnover:	Commence	e raising powe	<u>r to 100%</u>					
Event	Malf. No.	Event			Event			
NO.					Description			
1	BKR1SWS001	C-BOP C-SRO	P-32A, Se	ervice Water Pu	mp trip with reduced head	capacity on two		
		TS-SRO	running SW pumps					
2	XMT1RMS076A	C-BOP	1RE-219,	SG Blowdown	Monitor fails high off scale			
		C-SRO	1MS-2083	3, HX-1A SG Sa	ample Isolation Control Va	lve fails open		
3	MAL1RCS008A	R-SRO	SG 'A' Tu	be Leak approx	imately 10 gpm (rapid dov	vn power)		
		TS-SRO						
		C-BOP	Rupping (Lleak lowering surge tank			
4	MAL1CCW002A	C-SRO	(Pumps n	eed to be shifte	d)			
		IS-SRU		· · · · · · · · · · · · · · ·		- 4 1 1 4		
5	MAL1GEN006	M-ALL	Voltage R	egulator I roubl	e leading to a Main Gener	ator Lockout		
6	MALCRF001-B6 MALCRF001-B8 MALCRF001-C5 MALCRF001-C7	C-RO	Multiple (4	4) Stuck Rods p	ost trip			
7	MAL1RCS008A	C-RO	SGTL turi	ns into SGTR				
8	CNH1PCS007B CNH1PCS008B	C-RO	Spray val	ves fail causing	use of the PORV for RCS	depressurization		
* (N)ormal, (R)e	eactivity, (I)nst	trument, (C	C)omponent, (N	l)ajor			

Appendix	D		Scenario Outline	Form ES-D-1				
Facility: _F	Point Beach	Sce	nario No.: <u>4</u> Op-Test	No.: <u>2017</u>				
Examiners: Operators:								
Initial Cond	Initial Conditions: <u>Unit 1 is at approximately 100%. 1LT-112 VCT Level Transmitter has failed low,</u>							
I&C expect	<u>t repairs to b</u>	be completed v	vithin the hour and returned to service by the e	end of shift. 1W-3B,				
Control Ro	d Shroud Fa	an is OOS due	to imminent motor failure					
Turnover:	<u>Start 1P-27</u>	A, Heater Drai	n Tank Pump, and secure 1P-27C Heater Dra	in Tank Pump				
per OP 2A	, Normal Po	wer Operation	s, Attachment M, in preparations for maintena	nce. Lower power				
utilizing OF	P 3A, Power	Operation to	Hot Standby, in preparation for TS 3, Main Tur	bine Stop and				
<u>Governor \</u>	/alve with T	urbine Trip_(B	iannual)					
Event No.	Malf. No.	Event Type*	Event Description					
1		N-BOP N-SRO	Shift Heater Drain Tank Pumps, start 1P-27A, secure 1P-27C					
2		R-RO N-BOP R-SRO	Down Power for TS-3					
3	MAL1NIS007C	I-RO I-SRO TS-SRO	NI-43, PR NI fails low fast enough to cause outward rod motion nea 12-15 steps/min.					
4	XMT1SGN012A	I-BOP I-SRO TS-SRO	1LT-471, SG Level fails low slowly (Manual SG level control)					
5	XMT1CVC020A	I-RO I-SRO TS-SRO	1LT-141, VCT Level Transmitter fails low (Causing an auto shift to the RWST. Manual reactor trip required)					
6	MAL1SGN003B	M-ALL	Steam Generator Fault in Containment on Reactor Trip					
7	See SEG	C-RO	The first set of Reactor Trip push buttons faile but the second set used is successful	s to cause a reactor trip,				
8	8 PMP1AFW004 PMP1AFW002 C-BOP C-BOP C-BOP 1P-53, Motor Driven Auxiliary Feedwater Pump sheared shaft and 1P-29, Turbine Driven Auxiliary Feedwater Pump trips on over speed (CSP-H.1, Response to Loss of Secondary Heat Sink)							
* (N)ormal, (R)e	eactivity, (I)ns	trument, (C)omponent, (M)ajor	,				