

Facility: Point Beach Scenario No.: 1 Op-Test No.: 2017

Examiners: _____ Operators: _____

Initial Conditions: Unit 1 is at approximately 100%. Unit 2 is on ice melt. 1PT-950, Loop B Containment Pressure has 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.

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*	Event Description
1	XMT1CNM014A	I-BOP I-SRO TS-SRO	1PT-947, Loop A Containment Pressure Transmitter fails low
2	CNH1CFW003F	I-BOP I-SRO	1PC-2273, Feedwater Heater Emergency Bypass Valve Controller oscillates in automatic
3	XMT1AFW005A	TS-SRO	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	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 actuate, manual alignment required.

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

Facility: Point Beach Scenario No.: 2 Op-Test No.: 2017

Examiners: _____ 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. At Chemistry's request 'B' Train of Main Feed and Condensate have been running for 5 minutes for iron flushing. 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: Secure 1P-28B, SGFP and 1P-25B, Condensate Pump. Raise power to 50%.

Event No.	Malf. No.	Event Type*	Event Description
1		N-BOP N-SRO	Secure 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
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

Facility: Point Beach Scenario No.: 3 Op-Test No.: 2017

Examiners: _____ Operators: _____

Initial Conditions: Unit 1 was lowered to approximately 75% at the request of MISO/ATC due to grid stability issues. Grid stability has been restored and the unit is ready to be returned to full power in accordance with OP 1C, Startup to Power Operations. 1P-2B, Charging Pump is OOS and isolated per OI 50, Charging Pump Isolation for pump repairs. 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: Commence raising power to 100%

Event No.	Malf. No.	Event Type*	Event Description
1	BKR1SWS001	C-BOP C-SRO TS-SRO	P-32A, Service Water Pump trip with reduced head capacity on two running SW pumps
2	XMT1RMS076A	C-BOP C-SRO	1RE-219, SG Blowdown Monitor fails high off scale 1MS-2083, HX-1A SG Sample Isolation Control Valve fails open
3	MAL1RCS008A	R-RO N-BOP R-SRO TS-SRO	SG 'A' Tube Leak approximately 10 gpm (rapid down power)
4	MAL1CCW002A	C-BOP C-SRO TS-SRO	Running CCW Pump seal leak, lowering surge tank (Pumps need to be shifted)
5	MAL1GEN006	M-ALL	Voltage Regulator Trouble leading to a Main Generator Lockout
6	MALCRF001-B6 MALCRF001-B8 MALCRF001-C5 MALCRF001-E11	C-RO	Multiple (4) Stuck Rods post trip
7	MAL1RCS008A	M-ALL	SGTL turns into SGTR
8	CNH1PCS007B CNH1PCS008B	C-RO	Spray valves fail causing use of the PORV for RCS depressurization

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

Facility: Point Beach Scenario No.: 4 Op-Test No.: 2017

Examiners: _____ Operators: _____

Initial Conditions: Unit 1 is at approximately 100%. 1LT-112 VCT Level Transmitter has failed low, I&C expect repairs to be completed within the hour and returned to service by the end of shift. 1W-3B, Control Rod Shroud Fan is OOS due to imminent motor failure.

Turnover: Start 1P-27A, Heater Drain Tank Pump, and secure 1P-27C Heater Drain Tank Pump per OP 2A, Normal Power Operations, Attachment M, in preparations for maintenance. Lower power utilizing OP 3A, Power Operation to Hot Standby, in preparation for TS 3, Main Turbine Stop and Governor Valve with Turbine Trip (Biannual)

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 near 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 See SEG	I-RO I-SRO TS-SRO	1LT-141, VCT Level Transmitter fails low, causing an auto shift to the RWST. (Manual reactor trip required) The first set of Reactor Trip push buttons fails to cause a reactor trip, but the second set used is successful
6	MAL1SGN003B	M-ALL	Steam Generator Fault in Containment on Reactor Trip
7	PMP1AFW004 PMP1AFW002	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)eactivity, (I)nstrument, (C)omponent, (M)ajor