

Facility: Point Beach Scenario No.: 1 Op-Test No.: 2021

Examiners: _____ Operators: _____

Initial Conditions: Reactor power is 28% for flux mapping. G03, EDG is out of service due to
to maintenance with G04, EDG aligned. 1LT-426, PZR Level transmitter (Red) removed from
service.

Turnover: Raise power to 50% at 15% per hour per OP 1C, Startup to Power Operations.

Critical Tasks: CT-24, Energize At Least One Emergency Bus
CT-25, Manually Start SW Pump For EDG Cooling

Event No.	Malf. No.	Event Type*	Event Description
1		R-RO N-BOP N-SRO	Normal Up Power
2		C-RO C-SRO TS-SRO	Single Dropped Rod 2019 Repeat
3		C-BOP C-SRO TS-SRO	1HC-478, SG B Atmospheric Steam Dump controller fails in auto, valve fully opens, in manual will only close to 50%, requiring local manual isolation valve operation New
4		M-ALL	Loss of All AC Power 'A' Train EDG success path
5		C-BOP C-SRO	P-32A/B SW Pumps do not Auto Start after Restoration of 'A' Train EDG New
6		C-RO C-SRO	Multiple (4) Stuck Rods Post Trip, requires boration 2017 Repeat

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

Facility: Point Beach Scenario No.: 2 Op-Test No.: 2021

Examiners: _____ Operators: _____

Initial Conditions: 0% power Mode 2. G02, EDG is OOS with G01, EDG is aligned, 1W-3A,
Containment Shroud Fan OOS, 1PT-949, Containment Pressure transmitter removed from service.

Turnover: A plant up power to the POAH is planned per OP 1B, Reactor Startup

Critical Tasks: CT-5, Manually Start At Least One Low-Head ECCS Pump

CT-36, Transfer to Cold Leg Recirculation

Event No.	Malf. No.	Event Type*	Event Description
1		R-RO N-BOP N-SRO	Raise Power to POAH
2		C-BOP C-SRO TS-SRO	1A06, 4160 Safeguards Bus Feeder Breaker trip – Does NOT auto restore, needs to be manually restored. NEW
3		C-RO C-SRO TS-SRO	1P-1B RCP thrust bearing failure/vibrations requiring manual reactor trip (degradation of flow or a trip of the pump) NEW
4		C-RO C-SRO	Reactor Trip breakers fail to auto open and buttons on 1C04 are unsuccessful (C01 still works) 2017 Repeat
5		M-ALL	Design Basis LBLOCA
6		C-RO C-SRO	1P-10B RHR pump trips, 1P-10A RHR pump fails to auto start 2017 Repeat

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

Facility: Point Beach Scenario No.: 4 Op-Test No.: 2021

Examiners: _____ Operators: _____

Initial Conditions: Reactor power is 47%. G03, EDG is out of service due to maintenance with
G04, EDG aligned. 1LT-426, PZR Level transmitter (Red) removed from service

Turnover: Conduct an up power to 100% power at 15% per hour per OP 1C, Startup to Power
Operations

Critical Tasks: CT-3, Manually Actuate Containment Cooling
CT-17, Isolate Faulted SG

Event No.	Malf. No.	Event Type*	Event Description
1		C-RO C-SRO	Letdown inadvertently isolates, needs to be re-established NEW
2		R-RO C-BOP R-SRO	Inadvertent Turbine trip with no reactor trip NEW
3		C-RO C-SRO TS-SRO	Seismic event 1P-11A, CCW pumps failure due to a mechanical failure requiring pump shift 2019 Repeat
4		M-ALL	Seismic event causes multiple dropped rods, without an automatic RX Trip
5		C-BOP C-SRO	Steam Generator fault in containment upstream of the orifice NEW
6		C-BOP C-SRO	Containment Spray fails to actuate 2017 Repeat

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