

Facility: <u>Point Beach</u>		Scenario No.: <u>1</u>	Op-Test No.: <u>2011301</u>
Examiners: _____		Operators: _____	
_____		_____	
_____		_____	
Initial Conditions: <u>100% reactor power – EOL</u>			
<p>Turnover: <u>Emergency diesel generator (G01) is OOS, motor-driven auxiliary feedwater pump (P38A) is OOS. The return to service time for both the G01 and P38A is approximately four hours from now. The plant is under a severe weather watch. G02 is aligned to 1A05 and 2A05 in accordance with OI-35A. IT 07G SW valve stroke time test is scheduled to be conducted immediately after shift turnover.</u></p>			
Event No.	Malf. No.	Event Type*	Event Description
1		N-BOP N-SRO	Conduct IT-07G SW Valve Stroke Time Test
2		C-RO C-SRO TS-SRO	In-Service Charging Pump Failure
3		I-BOP I-SRO	S/G "B" Level Transmitter ILT-471 Failure High
4		I-RO I-SRO TS-SRO	Pressurize Pressure Channel Failure (PT-431) High
5		C-BOP C-SRO TS-SRO	Steam Generator Tube Leak
6		R-RO N-SRO N-BOP	Conduct Rx Plant Shutdown
7		M- ALL	Steam Generator Tube Rupture
8		C-BOP	Stuck Open Atmospheric Steam Dump Valve
* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor			

Facility: <u>Point Beach</u> Scenario No.: <u>2</u>		Op-Test No.: <u>2011301</u>	
Examiners: _____		Operators: _____	
_____		_____	
_____		_____	
Initial Conditions: <u>Unit 1 is at 28% power, middle of life.</u>			
Turnover: <u>The following equipment is out of service: "B" safety injection pump in day 3 of 7 of LCO to replace the outboard seal, continuing with power escalation IAW OP-1C, Step 4.120.</u>			
Event No.	Malf. No.	Event Type*	Event Description
1		N-BOP N-SRO	Start a Heater Drain Tank Pump.
2		R-RO N-SRO	Increase Reactor Power from 28% at the Normal Rate.
2		I-BOP I-SRO TS-SRO	Turbine First Stage Pressure Instrument PT-485 Fails Low.
3		I-RO I-SRO TS-SRO	Pressurizer Level Instrument 1LT-428 Fails Low.
4		N-BOP N-SRO	Restore normal letdown
5		C-BOP C-SRO TS-SRO	Power Operated Relief Valve 1RC-430 Seat Leakage.
6		M- ALL	Steam Line Break Upstream of the Unit 1 "A" MSIV.
7		M-ALL	Reactor Trip Breakers Fail to Open (ATWS)
		C-BOP C-SRO	Train "A" ESF Sequencer Fails to Actuate.
* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor			

Facility: Point Beach Nuclear Station

Scenario No.: 3

Op-Test No.: 2011301

Examiners: D. McNeil
R. Walton
D. Reeser

Operators: _____

Initial Conditions: Unit 1 is at 23% reactor power, BOL, equilibrium xenon conditions following a reactor trip from full power five days ago due to a failure of the Unit 1 Voltage Regulator. Unit 2 is at 100% reactor power. Present clock time is real time. Normal shift complement with the exception of the 3rd SRO.

Turnover: G-01 EDG is out of service for annual maintenance. It was taken OOS 2 days ago, and is expected to be returned to service in 3 days. G-02 EDG is aligned to 4.16kV buses 1-A05 and 2-A05 IAW OI-35A. P-38B, Electric Auxiliary Feedwater Pump was declared inoperable 4 hours ago due to recirculation line cracks and has just been tagged out for repair. A severe thunderstorm watch is in effect for the next 4 hours. The RCS is at normal operating pressure and temperature. Steam Generator water level is being controlled with the Main Feedwater Regulating valves in automatic on a single train of feedwater and condensate. OP-1C, "Low Power Operation to Normal Power Operation" is in progress. You are to continue with unit startup per OP-1C.

Event No.	Malf. No.	Event Type*	Event Description
1		R	Normal Up-Power
2		I	T _{hot} Instrument (TE-401A) Fails High
3		C	Running CCW Pump Shaft Seizes w/Failure of Standby CCW Pump to Auto Start
4		I	Controlling SG Pressure Channel (PT-478) Fails High
5		M	Small RCS Leak in "A" RCS Loop Degrading to Large Break
6		M	Large Break LOCA
7		I	Failure of SI to Auto-Actuate
8		C	Failure of Containment Accident Fan 1W-1A1 to Auto-Start
9		C	Failure of 1SI-852A to Auto-Open

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

@ See scenario description pages 2 & 3 for malfunction numbers.