

Facility:	Davis-Besse	Scenario No.	1	Op Test No.:	DB1LOT22
Examiners:	_____	Operators:	_____	SRO	
	_____		_____	ATC	
	_____		_____	BOP	
Initial Conditions: 100% Power					
Turnover: Maintain 100% Power					
Planned: Shift Routines					
Critical tasks:					
<ol style="list-style-type: none"> <li>1. Close the Pressurizer Spray Valve and PORV Block Valve</li> <li>2. Restore RCP Seal Return</li> </ol>					
Event No.	Malf. No.	Event Type*	Event Description		
1		(N) ATC	Place Purification Demin 3 I/S per Chemistry request		
2		(I) ATC	Leaking Power Operated Relief Valve (PORV) (TS)		
3		(C) BOP	Trip TPCW Pump 1 Hi Bearing Temp / Start STBY pump		
4			Inverter YV1 DC input failure (TS)		
5		(R) ATC/(C) BOP	TPCW Pump 2 trips / Lower power to capacity of 1 pump		
6		Major	Steam Leak in CTMT / Trip Reactor		
7		(C) BOP	AFP 1 Trips - Start the MDFP		
* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor					

Facility:	Davis-Besse	Scenario No.:	2	Op Test No.:	DB NRC 2022
Examiners:	_____	Operators:	_____	SRO	
	_____		_____	ATC	
	_____		_____	BOP	
Initial Conditions: 100% Power					
Turnover: Maintain 100% Power					
Planned: Shift routines					
Critical tasks:					
<ol style="list-style-type: none"> <li>1. Shutdown Reactor - ATWS</li> <li>2. Isolate Overcooling Steam Generators</li> </ol>					
Event No.	Malf. No.	Event Type*	Event Description		
1		(C) ATC	Weekly Run of the Standby Makeup Pump 2 Oil Pumps (TRM)		
2		(C) BOP	Main Feedwater Pump Turbine 1 High Drain Tank Level		
3		(C) BOP	Swap SFP Pumps due to high bearing temp/vibration		
4		(R) ATC / BOP	Dropped Control Rod - Reduce Reactor Power (TS)		
5		Major	Main Generator Lockout - ATWS		
6		(C) BOP	Stuck Open Main Steam Safety Valve - Overcooling		
7		(C) BOP	Steam Feed Rupture Control System fails to automatically align for a low pressure trip on Steam Generator 1		
* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor					

Facility:	Davis-Besse	Scenario No.:	3	Op Test No.:	DB NRC 2022
Examiners:	_____	Operators:	_____	SRO	
	_____		_____	ATC	
	_____		_____	BOP	
Initial Conditions: 60% Power					
Turnover: Shutdown Main Feedwater Pump1 to 1000 RPM Auxiliary Feedwater Pump 1 Out of Service					
Planned: Complete the Shutdown of Main Feedwater Pump 1					
Critical tasks: 1. Trip all 4 RCPs 2. Initiate High Pressure Injection Cooling					
Event No.	Malf. No.	Event Type*	Event Description		
1		(N) BOP	Remove Main Feedwater Pump 1 from service		
2		(C) ATC / BOP	Component Cooling Water Pump 2 Trips (TS)		
3			Bus F7 Failure / Motor Driven Feedwater Pump Inop (TS)		
4		(C) BOP	Station Air Compressor 2 setpoint failure - Low air header pressure		
5		(R) ATC (C) BOP	Rising Main Condenser Pressure – Reduce Reactor Power Trip the Main Generator		
6		Major	Trip the Reactor - Initiate / Isolate Steam Feedwater Rupture Control system		
7		(C) ATC/BOP	Auxiliary Feedwater Pump 2 Trips – Emergency Feedwater Pump does not start – Loss of All Feedwater Standby Makeup Pumps fails to start – Makeup / High Pressure Injection / PORV Cooling		
* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor					