Facility: Nine Mile Point Unit 1 Scenario No.: 1 Op-Test No.: March 2009

Examiners: _____ Operators: _____

Initial Conditions: Simulator IC 171
1. Plant is operating at approximately 100% power.
2. Feedwater pump 11 is tagged out for maintenance.

Turnover:
1. Perform N1-ST-M8, Reactor Building Emergency Ventilation System Operability Test, for RBEVS loop 11, starting at step 8.1.1.

Event No.	Malf. No.	Event Type*	Event Description
1	N/A	N (BOP) N (SRO)	Perform N1-ST-M8, Reactor Building Emergency Ventilation System Operability Test, for RBEVS Loop 11
2	Override	I (BOP) I (SRO) TS (SRO)	RBEVS Loop 11 Flow Below Acceptance Criteria
3	AD05	C (BOP) R (RO) R (SRO) TS (SRO)	Electromatic Relief Valve (ERV) 111 Inadvertently Opens (SOP-1.4)
4	TC06	I (RO) I (SRO) TS (SRO)	Electrical Pressure Regulator (EPR) Oscillations (SOP-31.2)
5	EG11	C (ALL)	Degraded 345KV Grid Conditions (SOP-33B.1, SOP-1, EOP-2)
6	CU01	M (ALL)	Coolant Leak in Drywell (EOP-4)
7	FW03B	C (ALL)	Trip of Feedwater Pump 12 (EOP-8)

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

Target Quantitative Attributes (Per Scenario; See Section D.5.d)	Actual Attributes
1. Total malfunctions (5–8) **Events 2, 3, 4, 5, 7**	5
2. Malfunctions after EOP entry (1–2) **Event 7**	1
3. Abnormal events (2–4) **Events 3, 4, 5**	3
4. Major transients (1–2) **Event 6**	1
5. EOPs entered/requiring substantive actions (1–2) **EOP-2, EOP-4**	2
6. EOP contingencies requiring substantive actions (0–2) **EOP-8**	1
7. Critical tasks (2–3) **CT-1 Given a LOCA in the Drywell, the crew will initiate Containment Sprays prior to exceeding the Pressure Suppression Pressure limit, in accordance with N1-EOP-4.** **CT-2 Given a LOCA with degraded high pressure injection capability, the crew will depressurize the RPV and inject with Preferred and Alternate Injection Systems to restore and maintain RPV water level above -84 inches, in accordance with N1-EOP-2.**	2

Facility: Nine Mile Point Unit 1 Scenario No.: 2 Op-Test No.: March 2009

Examiners: _____ Operators: _____

Initial Conditions: Simulator IC 172
1. The plant is operating at approximately 100% power.
2. Containment Spray Pump 121 is tagged out for maintenance.

Turnover:
1. Transfer Powerboard 101 supply from R1014 to R1011 in accordance with N1-OP-30, starting at step H.8.2.

Event No.	Malf. No.	Event Type*	Event Description
1	N/A	N (BOP) N (SRO)	Transfer Powerboard 101 Supply from R1014 to R1011
2	RP01B	C (RO) C (SRO)	RPS MG Set 141 Trips (SOP-16.1)
3	RD35B	C (BOP) C (SRO) TS (SRO)	CRD Pump 12 Trips (SOP-5.1)
4	RP17B	TS (SRO)	Reactor Pressure Instrument 36-07C Fails Low
5	MC01	R (RO) R (SRO)	Loss of Main Condenser Vacuum (SOP-25.1, SOP-1)
6	RD33	M (ALL)	Failure to Scram (EOP-3)
7	Override	C (ALL)	RPS Fails to Reset (EOP-3.1, EOP-8)
8	RD41	C (ALL)	Scram Discharge Volume Rupture (EOP-5, EOP-8)

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

Target Quantitative Attributes (Per Scenario; See Section D.5.d)	Actual Attributes
1. Total malfunctions (5–8) **Events 2, 3, 4, 5, 7, 8**	6
2. Malfunctions after EOP entry (1–2) **Events 7, 8**	2
3. Abnormal events (2–4) **Events 2, 3, 5**	3
4. Major transients (1–2) **Event 6**	1
5. EOPs entered/requiring substantive actions (1–2) **EOP-5**	1
6. EOP contingencies requiring substantive actions (0–2) **EOP-3, EOP-8**	2
7. Critical tasks (2–3) **CT-1 Given an un-isolable primary system leak outside primary containment and two general area temperatures above the Maximum Safe Value, the crew will perform an RPV Blowdown, in accordance with N1-EOP-5.** **CT-2 Given a failure to scram and the need for an RPV Blowdown, the crew will terminate and prevent all RPV injection except Boron and CRD, and then re-establish injection to the RPV with Condensate/Feedwater, CRD and Boron after RPV pressure lowers below the Minimum Steam Cooling Pressure (Table J) to restore and maintain RPV water level above -109 inches, in accordance with N1-EOP-3 and N1-EOP-8.**	2