Facility: **_DCPP Units 1 & 2___** Scenario No.: **__NRCSIM-01__** Op-Test No.: **_01_**

Examiners: _____ Operators: _____
_____ _____
_____ _____

Initial Conditions:
100% power, equilibrium Xe, 590 ppm, MOL (IC-510). DG 1-1 is tagged out for repairs on starting circuit, OOS for 5 hours, due back in 12 hours (Drill File 34)(Place yellow tags on CB). PRA YELLOW. PDP in service (Drill File 90). Diluting 20 gal/hr. STP I-1C was completed one hour ago, due in seven. Last run two days ago.

Turnover:
Swap from PDP to CCP 1-2.

Event No.	Malf. No.	Event Type*	Event Description
1	Drill File 6020	N, ALL	Secure PDP and place CCP 1-2 in service
2	Xmt pzr40	I, ALL	LT 459 Failure low
3		N, ALL	Restore Letdown
4	Xmt rcs138	I, RO	Loop 4 T_C failure
5		R, ALL	**CALL** - EPOS requests ramp to 900 MW within 30 min. Start ramp in 10 min. (Call 12 minutes before ASW pump trip)
6	Pmp asw1 Pmp asw2	C, BOP	Loss of ASW pumps
7	Cnv mfw5	C, RO	SG 1-2 FRV failure
8	Mal mss6c	M, ALL	SG 1-2 safety valve sticks open
9	Mal rcs4c	M, ALL	SGTR from SG 1-2
10	Pmp rhr1/2	C, ALL	Failure of RHR Pumps 1-1 and 1-2 to AUTO start

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

#2 drl_file 6020

Facility: **_DCPP Units 1 & 2___** Scenario No.: **__NRCSIM-02__** Op-Test No.: **_01_**

Examiners: _____ Operators: _____
_____ _____
_____ _____

Initial Conditions:
100% power. MOL. 590 ppm boron. Diluting 20 gal/hr. Last dilution 15 minutes ago.

Turnover:
Maintain current plant conditions.

Event No.	Malf. No.	Event Type*	Event Description
1	Pmp ccw1 ccw2	C, BOP	Trip of CCW Pp 1-1 and failure of CCW Pp 1-3 to auto start
2		R, ALL	CALL – EPOS: Path 15 emergency. Ramp to 900 MW within 30 min. Start ramp in next 10 min.
3	Cnh cvc4	C, ALL	Auto RMUW system failure
4	Xmt mfw46	I, ALL	Failure of LT-549, SG 1-4 level transmitter
5	Xmt cvc4	I, RO	Failure of FCV-128 auto control
6	Mal syd3	C, ALL	Grid frequency variation (drops to 58 HZ)
7	Mal gen4	C, ALL	Full load rejection
8	Mal pzr1	M, ALL	PZR steam space break
9	Ovr vx4i222o	C, ALL	Trip of 52-HG-15 (vital bus startup supply)
10	Mal deg1a	C, ALL	Trip of DG1-1
11	Mal ppl1a	I, ALL	Failure of Phase A Train A to actuate
12		M, ALL	SBLOCA Response per E-1 and E-1.2

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

#4 drl_file 6040; drl_file 15 – secure vacuum, SJAE, Gland Seal; drl_file 48 – swap Batt 13 to Batt Chrg 131

Facility: **_DCPP Units 1 & 2___** Scenario No.: **__NRCSIM-03__** Op-Test No.: **_01_**

Examiners: _____ Operators: _____
_____ _____
_____ _____

Initial Conditions:
100% power(IC-510). MOL with boron at 590 ppm. Diluting 20 gal/hr. Last dilution was 15 minutes ago. It was reported 5 minutes ago that DG 1-1 had an air leak from the turbocharger receiver relief valve. The receiver has been isolated and the compressor secured. Technical Specifications have NOT been reviewed for this event.

Turnover:
Swap Condensate Booster Pumps per procedure for clearance on set 1-1.

Event No.	Malf. No.	Event Type*	Event Description
1		N, BOP	Swap Condensate Booster Pump sets
2	Xmt cvc20	I, ALL	VCT Level Indicator LI-114 Fail High
3	Cnh pzr4	I, RO	Failed Auto control of PZR Pressure Controller HC-455
4	Mal cws3a cws3b asw2	C, ALL	Increased screen and condenser DP **(Call from Intake Watch of sudden increase in swells breaking over breakwater; kelp buildup.) (Call as Steve David reporting Environmental report rapidly building storm. Direct crew to reduce to 50% within 1 hour.)**
5		R, ALL	Ramp unit to 50%
6	Xmt mss62	I, BOP	SG 1-1 Pressure Transmitter Fail High (10% Controller Fail Open in Auto)
7	Mal sei1	M, ALL	Earthquake
8	Mal rcs3e	M, ALL	LBLOCA
9	Loa sis1	C, ALL	Loss of RWST (SI-1)
10	Pmp asw2	C, BOP	Failure of ASW pump 1-2 to Auto Start

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

#6 drl_file 6060

Facility: **_DCPP Units 1 & 2___** Scenario No.: **__NRCSIM-04__** Op-Test No.: **_01_**

Examiners: _____ Operators: _____
_____ _____
_____ _____

Initial Conditions:
100% power. MOL (IC-510). 590 ppm Boron. AFW Pp 1-2 OOS for repair last 12 hours. RTS in 24 hours (Drill File 43). Diluting 20 gal/hr. Last dilution was 15 minutes ago.

Turnover:
Swap CFCUs from 1-1 to 1-2 for clearance.

Event No.	Malf. No.	Event Type*	Event Description
1		N, BOP	Swap CFCU from 1-1 to 1-2.
2		R, ALL	**CALL** – EPOS: Path 15 emergency. Commence ramp in 10 minutes to 900MW in following 30 minutes.
3	pmp cvc2	C, ALL	Trip of running CCP and restoring letdown
4	Xmt tur2	C, ALL	PT-505 hangs up at 100%
5	Xmt pzr27	I, RO	PZR pressure controller bias fails to +100# during ramp
6	Ovr vb3079a	C, BOP	TCV-23 Failure
7	Mal sei1	M, ALL	Earthquake
8	Mal rcs1	M, ALL	LBLOCA (50% DBA loop 2)
9	Mal ppl1b	C, BOP	Failure of phase A Train B to actuate
10	Mal syd1	M, ALL	Loss of Offsite power
11			Transfer to Cold Leg Recirc

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

#7 drl_file 6070