

Form 3.3-1 Scenario Outline

Facility:	LaSalle	Scenario #:	NRC Scenario 1
Scenario Source:		Op. Test #:	2023301
Examiners:		Applicants/	
		Operators:	
Initial Conditions:	Unit 1 is at 100% power. The 1W MPT Cooling Bank 3 OOS for scheduled maintenance. 1B WT pump OOS for coupling replacement.		
Turnover:	Perform VG Inservice test IAW LOS-VG-M1 Attachment 1A.		
Critical Tasks:	<p>Initiate Chamber sprays prior to Drywell sprays IAW LGA-003 to minimize the impact of chugging in the downcomers.</p> <p>Reactor pressure must be lowered with SRVs to enable low pressure injection with LP ECCS before level reaches -183 on fuel zone.</p> <p>The loss of the SAT will cause a Grp 1 Isolation to close the MSIV's and all decay heat from the RPV will be going into Primary containment. Start Suppression pool cooling within 20 minutes of event.</p>		

Event No.	Malf. No.	Event Type*	Event Description
1	N/A	N (BOP)	Perform Standby Gas Inservice test IAW LOS-VG-M1, Attachment 1A
2	MNB080	I (BOP) TS (SRO)	Spurious RCIC initiation, secure RCIC IAW LOP-RI-03. SRO review TS 3.5.3 and 3.3.5.3.
3	MRD282	I / MC (ATC)	CRD flow erratic with controller in Auto, Control flow in manual mode
4	K6M02JP8 R0401	C (BOP)	Trip of iso phase bus duct cooling fan, start redundant fan IAW LOR-1PM01J-A115
5	R0340	R (ATC)	1W MPT Transformer high temp > 120 C. LOA-TRAN-101 will require a reduction in power to < 96% IAW LGP-3-1
6	K2L06P3I	C (ATC) TS (SRO)	'1A' Recirc Pump FCV drifting open, lock '1A' FCV. SRO evaluates TS 3.4.1 for applicability
7	MRC033	M (ALL)	LOCA (RR loop)
8	MES005 MES037	C / MC (BOP)	HPCS pump failure (fails to auto-start, then sheared shaft), take HPCS to PTL
9	MEE041	M (ALL)	Loss of SAT

* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor, (TS)Tech Spec, (MC)Manual Control

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Facility:	LaSalle	Scenario #:	NRC Scenario 2
Scenario Source:		Op. Test #:	2023301
Examiners:		Applicants/	
		Operators:	
Initial Conditions:	Unit 1 is at 54% power. S/D in progress for Refueling Outage per LGP-2-1, Core Flow at 70 Mlb/hr, 2 nd Stage Reheat has been secured.		
Turnover:	Startup the RR LFMG Sets IAW LOP-RR-08 in preparation for RR downshift. The MDRFP is in operation and 1A TDRFP secured. Continue reactor shutdown IAW LGP-2-1.		
Critical Tasks:	<p>With a primary system discharging into the secondary containment, and discharge cannot be isolated or isolation attempt failed, scram the reactor prior to radiation or temperature in any area exceeding Max safe.</p> <p>With conditions present to Emergency Depressurize and < 7 SRVs open, manually open additional SRV's promptly until a total of 7 are open</p>		

Event No.	Malfunction No.	Event Type*	Event Description
1	N/A	N (BOP)	Startup the RR LFMG Sets per LOP-RR-08
2	N/A	R (ATC)	Insert rods to 61% rod line
3	MGC001 MGC004	C/MC (BOP)	1A GC Pump TRIP/Stby Fails to Auto-start
4	N/A	R (BOP)	Downshift RR pumps per LOP-RR-08
5	MRD106	C (ATC) T (SRO)	Control Rod drifting out
6	MRD280	C (ATC)	Trip of 1A CRD Pump
7	K1P24WBL R0275	C (BOP) T (SRO)	Spurious LPCS initiation
8	MRW010 MEE050 VMRW001R VMRW004R VMRW100R VMRW106R VTRW102R	M (ALL)	RB Rad Hi / RT leak / RT fails to Isolate, Main Turbine Fails to trip
9	VPAD13RR VPAD13VR	M (ALL)	RWCU leak, 2 areas above max safe, Emergency Depressurization, 2 SRVs fail to open

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Facility:	LaSalle	Scenario #:	NRC Scenario 4 (Spare)
Scenario Source:		Op. Test #:	2023301
Examiners:		Applicants/	
		Operators:	
Initial Conditions:	Unit 1 at 100% power, 0B DFP OOS for strainer maintenance (LCO 3.7.j Condition A.1)		
Turnover:	Perform LPCS full flow test IAW LOS-LP-Q1 starting at Step A.5.2.		
Critical Tasks:	<p>With a closure of the MSIV's and Drains resulting in all of RPV heat going into primary containment, suppression pool cooling must be established to ensure suppression pool temperature does not exceed the limits of the HCTL curve in LGA-003.</p> <p>Initiate Chamber sprays prior to Drywell sprays IAW LGA-003 to minimize the impact of chugging in the downcomers.</p> <p>With a broken SRV tailpipe in the suppression chamber, initiate Drywell sprays to maintain, or blow down to restore, drywell pressure within the limits of the PSP curve.</p>		

Event No.	Malf. No.	Event Type*	Event Description
1	N/A	N (BOP)	Perform LPCS full flow test IAW LOS-LP-Q1, Steps A.5.2- A.5.7
2	R0641 U1VR37Y	C (BOP) TS (SRO)	Failure of the LPCS/RCIC Corner Room Cooling fan. LOR-1H13-P601-C407
3	Q3J083WB	I (ATC)	Partial ½ scram and recovery per LOA-RP-101 (1 light, replace fuse and reset)
4	K4L03WPY R1339 K4L06WPY	C / MC (ATC)	TDRFP Seal Inj. Pump trips, Standby fails to Auto-Start
5	MNB035	R (ATC) TS (SRO)	'R' SRV Failed Open (will not close)
6	MCW006 MCW008	C (BOP) TS (SRO)	1B or 1D RHR WS pump fails to start for suppression pool cooling (S/D A/C pump, restart in single pump ops per LOP-RH-05 with discharge throttled)
7	K1L42E12 K1M35E12 K1P40E12	M (ALL)	Spurious Grp 1 Isolation
8	MNB165	M (ALL)	'R' SRV Tailpipe Break
9	VMRH16AR VMRH16BR	C (BOP)	DW spray valve on A or B RHR loop will not open

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