

OC NRC Re-Take Exam 2008

Scenario Outline

Facility: Oyster Creek **Scenario No.:** NRC 1 **Op Test No.:** NRC 2008-1

Examiners: _____ **Operators:** SRO-Steve Johnston

Initial Conditions:

- 100% Power
- RWCU Pump "B" OOS
- RWM is bypassed and OOS

Turnover:

- Perform 602.4.004, Main Steam Isolation Valve 10% Closure Test.

Event No.	Mal. No.	Event Type*		Event Description
1	N/A	N	SRO BOP	Performs 602.4.004, Main Steam Isolation Valve 10% Closure Test.
2	VLV-RPS004	TS	SRO	MSIV NS04B sticks open during Closure Test TS 3.5.3.
3	MAL-EDS003B	C TS	SRO BOP	Respond to Loss of USS 1A2 480V bus. TS 3.7.B, ABN-45 "Loss of USS 1A2"
4	MAL-NIS021F	I	SRO RO	APRM 6 Inop. Failure causes ½ scram RAP-G2f
5	MAL-CRD005_22-15	C	SRO RO	Control Rod Drift Out ABN-6 "Control Rod Malfunctions"
6	MAL-SWS001B	C	SRO BOP	Respond to trip of Service Water Pump 1-2 ABN-18 "Service Water Failure Response"
7	MAL-CFW017	R	SRO RO	Main Condenser Vacuum Leak Power Reduction required ABN-14 "Loss of Condenser Vacuum"
8	MAL-RCU013 VLV-RCU001 VLV-RCU004	M	ALL	RWCU Leak in the Reactor Building RWCU fails to isolate Secondary Containment Control EOP Emergency Depressurization required
9	MAL-CNS004A or B or C or D	C	SRO BOP	A Containment Spray pump trips while in Torus Cooling

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

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Scenario Outline

Facility: Oyster Creek **Scenario No.:** NRC 2 **Op Test No.:** NRC 2008-1

Examiners: _____ **Operators:** SRO- Steve Johnston

Initial Conditions:

- 90% Power
- RWM is bypassed and OOS
- Isophase Bus Fan "A" is OOS
- Main Generator voltage control is in manual

Turnover:

- Restore the amplidyne to service and transfer main generator voltage control to automatic IAW 336.1 "24KV Main Gen Electrical System"
- Increase reactor power to rated IAW the ReMA

Event No.	Malf. No.	Event Type*		Event Description
1	N/A	N	SRO ATC	Restore the amplidyne to service and transfer main generator voltage control to automatic IAW 336.1 "24KV Main Gen Electrical System"
2	N/A	R	SRO BOP	Increase reactor power with control rods
3	MAL-CRD008_34-11	C	SRO ATC	Uncoupled Control Rod ABN-6 "Control Rod Malfunction"
4	SWI-ADS001C	C TS	SRO BOP	EMRV "A" Inadvertently Opens ABN-40 "Stuck Open EMRV"; TS 3.4.B
5	ANN-E6D ANN-E2D VLV-NSS006	C TS	SRO BOP	Respond to Reactor Recirc Pump "A" Alarms, Pump Discharge Valve fails to close ABN-2 "Recirculation System Failures" TS 3.3.F.
6	MAL-CRD005 MAL-RPS006 SWI-RPS006	C	SRO ATC	Multiple control rod drifts, Manual scram required and fails, ARI required ABN-6 "Control Rod Malfunction"
7	MAL-NSS017B MAL-PCN001N	M	ALL	Steam leak in Primary Containment, DW/Torus Vacuum Breaker fails open
8	MAL-RPS007C VLV-CNS008 PMP-CNS008A	C	SRO BOP	Failure of RWCU to Auto isolate, Containment Spray System failures

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

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Scenario Outline

Facility: Oyster Creek **Scenario No.:** NRC 3 **Op Test No.:** NRC 2008-1

Examiners: _____ **Operators:** RO- Steve Johnston

Initial Conditions:

- 92% Power
- RWM bypassed and OOS
- TBCCW pump 2 OOS

Turnover:

- Increase reactor power to 100% IAW ReMA

Event No.	Malf. No.	Event Type*		Event Description
1	N/A	R	ATC	Increase Power with <u>Rods</u> & Recirc Flow to 100% Power
2	MAL-CRD007_3823	C	ATC	Stuck Control Rod
3	PMP-CRD002A	C	ATC	CRD Pump 1A Shaft Failure
4	ICH-CFW069A	C	ATC	Condensate Pump B Motor Bearing Hi Temp requires power reduction with Recirculation Flow to approx. 65% power
5	MAL-NSS017D MAL-CRD021A MAL-CRD021B	M	ALL	Small Steam leak in containment with Hydraulic ATWS
6	MAL-CRD001A	C	ATC	CRD Flow Control Valve fails to 0%

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