

Final Submittal
BRUNSWICK OCT/NOV 2004

EXAM 50-325, 324/2004-301
OCTOBER 29, 2004 &
NOVEMBER 2 - 10, 2004

RSR

1. Administrative Questions/JPMs

2. In-plant JPMs

3. Control Room JPMs (simulator JPMs)

BIM

OUTLINES ✓

Facility: <u> Brunswick </u> Date of Examination: <u> 11/1/2004 </u> Examination Level (circle one): RO Operating Test Number: <u> 1 </u>	
Administrative Topic (see Note)	Describe activity to be performed:
Conduct of Operations	ADM1ROCOO - Determine SRM/IRM Overlap Per GP-02.
Conduct of Operations	ADM2ROCOO – Core Performance Parameter Check
Equipment Control	ADM3ROEC - Develop a Clearance Boundary - RBCCW Pump 2C.
Radiation Control	N/A
Emergency Plan	ADM4ROEP - Estimate Source Term for a Release from the Main Stack per PEP-03.6.1.
NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.	

Facility: <u>Brunswick</u>		Date of Examination: <u>11/1/2004</u>
Examination Level (circle one): SRO		Operating Test Number: <u>1</u>
Administrative Topic (see Note)	Describe activity to be performed.	
Conduct of Operations	ADM1SROCOO - Determine SRM/IRM Overlap Per GP-02 and Technical Specifications.	
Conduct of Operations	ADM2SROCOO – Core Performance Parameter Check	
Equipment Control	ADM3SROEC - Develop a Clearance Boundary - RBCCW Pump 2C.	
Radiation Control	ADM4SR0RC – Evaluate Liquid Discharge Release Permit	
Emergency Plan	ADM5SROEP – Make Protective Action Recommendations per PEP-2.6.28	
NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.		

Facility: Brunswick Date of Examination: 11/1/2004
Exam Level (circle one): RO Operating Test No.: 1

Control Room Systems (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U)

System / JPM Title	Type Code*	Safety Function
a. Shutdown HPCI, Auxiliary Oil Pump Fails to AUTO Start	D/A/S/L	4
b. Reenergize Trip Calibration Cabinet (CB-XU-63)	N/C	7
c. Restore RBHVAC with Failure to Isolate	D/A/S	9
d. Establish UAT Backfeed	D/S	6
e. Startup the Second Reactor Feed Pump per 2OP-32 – DFCS Control Signal Failure	D/A/S/L	2
f. Complete the Actions for a Complete Loss Of TBCCW per AOP-17.0	N/S	8
g. Recirculation Pump Start – Recirculation Pump Speed Control Failure	D/A/S	1
h. Vent Primary Containment via SGBT to Control Drywell Pressure per AOP-14	N/S	5

In-Plant Systems (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)

i. Bypass RWCU Filters per SEP-07	N/R	3
j. SBO Cross Tying 480V Buses – Breaker Charging Spring Failure	D/A/R	6
k. Control Room Evacuation per AOP-32, Placing RHR in Suppression Pool Cooling	D/R	5

* Type Codes: (D)irect from bank, (M)odified from bank, (N)ew, (A)lternate path, (C)ontrol room, (S)imulator, (L)ow-Power, (R)CA

Facility: <u>Brunswick</u> Exam Level (circle one): SRO(I)	Date of Examination: <u>11/1/2004</u> Operating Test No.: <u>1</u>	
Control Room Systems (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U)		
System / JPM Title	Type Code*	Safety Function
a. Shutdown HPCI, Auxiliary Oil Pump Fails to AUTO Start	D/A/S/L	4
b. Reenergize Trip Calibration Cabinet (CB-XU-63)	N/C	7
c. Restore RBHVAC with Failure to Isolate	D/A/S	9
d. Establish UAT Backfeed	D/S	6
e. Startup the Second Reactor Feed Pump per 2OP-32 – DFCS Control Signal Failure	D/A/S/L	2
f. Complete the Actions for a Complete Loss Of TBCCW per AOP-17.0	N/S	8
g. Recirculation Pump Start – Recirculation Pump Speed Control Failure	D/A/S	1
In-Plant Systems (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)		
i. Bypass RWCU Filters per SEP-07	N/R	3
j. SBO Cross Tying 480V Buses – Breaker Charging Spring Failure	D/A/R	6
* Type Codes: (D)irect from bank, (M)odified from bank, (N)ew, (A)lternate path, (C)ontrol room, (S)imulator, (L)ow-Power, (R)CA		

Facility: <u>Brunswick</u> Exam Level (circle one): SRO(U)	Date of Examination: <u>11/1/2004</u> Operating Test No.: <u>1</u>	
Control Room Systems (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U)		
System / JPM Title	Type Code*	Safety Function
a. Shutdown HPCI, Auxiliary Oil Pump Fails to AUTO Start	D/A/S/L	4
b. Reenergize Trip Calibration Cabinet (CB-XU-63)	N/C	7
c. Restore RBHVAC with Failure to Isolate	D/A/S	9
In-Plant Systems (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)		
i. Bypass RWCU Filters per SEP-07	N/R	3
j. SBO Cross Tying 480V Buses – Breaker Charging Spring Failure	D/A/R	6
* Type Codes: (D)irect from bank, (M)odified from bank, (N)ew, (A)lternate path, (C)ontrol room, (S)imulator, (L)ow-Power, (R)CA		