

FINAL OPERATING TEST OUTLINES

FOR THE D. C. COOK INITIAL EXAMINATION - MARCH 2004

Facility: DC COOK Date of Examination: 03/15/2004
 Examination Level (circle one): **RO** / SRO Operating Test Number:

Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Parameter Verification K/A SYS 001 A4.11 (3.5)	NRC2004-A1a Determination of Reactor Shutdown Margin per 02-OHP-4021-001-012.
		Classroom / Simulator
	Parameter Verification K/A 2.1.33 (3.4)	NRC2004-A1b Perform Unit 1 LTOP Verification per 01-OHP-4030-114-030.
		Classroom / Simulator
A.2	Clearance Permit KA 2.2.13 (3.6)	NRC2004-A2 Determine Isolation Boundaries for the Refueling Water Purification Pump. Classroom / Simulator
A.3	Control of Radiation Releases KA 2.3.11 (2.7)	NRC2004-A3 Perform Containment Pressure Relief per 02-OHP-4021-028-004 Simulator
A.4	Emergency Communication KA 2.4.39 (3.3)	NRC2004-A4 Complete EMD-32A Nuclear Plant Event Notification Form per PMP-2080-EPP-107. Classroom / Simulator

Facility: DC Cook Date of Examination: 03/15/2004
 Examination Level (circle one): RO / **SRO(I)** Operating Test Number _____

Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Plant Parameter Verification K/A 2.1.25 (3.1) EPE 009 EA2.38 (4.3)	NRC2004-A5a Calculate Reactor Vessel Void Vent Time per 02-OHP-4023-FR-I.3. Classroom / Simulator
	TS Action KA 2.1.12 (4.0)	NRC2004-A5b Verify Appropriate LCO Action for Inoperable Radiation Monitors. Simulator
A.2	Maintenance KA 2.2.17 (3.5)	NRC2004-A6 Perform Screen House Vulnerability Determination per 12-OHP-5030-057-001. Classroom / Simulator
A.3	Control of Radiation Releases KA 2.3.6 (3.1)	NRC2004-A7 Review Waste Gas Decay Tank Release for SRO Authorization per 12-OHP-4021-023-002. Classroom / Simulator
A.4	EALs & Classifications KA 2.4.44 (4.0)	NRC2004-A8 Perform an Emergency Plan Classification with PAR per PMP-2080-EPP-101. Classroom / Simulator

Facility: DC Cook Date of Examination: 03/15/2004
 Examination Level (circle one): RO / SRO(U) Operating Test Number _____

Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Plant Parameter Verification K/A 2.1.25 (3.1) EPE 009 EA2.38 (4.3)	NRC2004-A5a Calculate Reactor Vessel Void Vent Time per 02-OHP-4023-FR-I.3. Classroom / Simulator
	TS Action KA 2.1.12 (4.0)	NRC2004-A5b Verify Appropriate LCO Action for Inoperable Radiation Monitors. Simulator
A.2	Maintenance KA 2.2.17 (3.5)	NRC2004-A6 Perform Screen House Vulnerability Determination per 12-OHP-5030-057-001. Classroom / Simulator
A.3	Control of Radiation Releases KA 2.3.6 (3.1)	NRC2004-A7 Review Waste Gas Decay Tank Release for SRO Authorization per 12-OHP-4021-023-002. Classroom / Simulator
A.4	EALs & Classifications KA 2.4.44 (4.0)	NRC2004-A8 Perform an Emergency Plan Classification with PAR per PMP-2080-EPP-101. Classroom / Simulator

Facility: DC COOK Date of Examination: 03/15/2004
 Exam Level (circle one): (RO) / SRO(I) / SRO(U) Operating Test No.: _____

B.1 Control Room Systems

System / JPM Title	Type Code*	Safety Function
a. [NRC2004-SIM01] Perform Hot Shutdown Panel Pressurizer Backup Heater Operability Test per 02-OHP-4030-214-049. K/A SYS 010A4.02 3.6/3.4	N,S	3
b. [NRC2004-SIM02] Perform Subcooling Margin Determination per 02-OHP-4023-SUP-001. K/A EPE 011 EA1.14 3.9/4.1	D,S,L	7
c. [NRC2004-SIM03] Isolate Ruptured Steam Generator per 02-OHP-4023-E-3. K/A EPE 038 EA1.32 4.6/4.7	M,A,S,L	4P
d. [NRC2004-SIM04] Place Excess Letdown in Service per 02-OHP-4021-003-001. K/A SYS 004 A4.06 3.6/3.1	D,S	2
e. [NRC2004-SIM05] Perform Hydrogen Recombiner Functional Test per 02-OHP-4030-STP-013A. K/A SYS 028 A4.01 4.0/4.0	N,S	5
f. [NRC2004-SIM06] Synchronize and Load 2AB EDG per 01-OHP-4030-STP-027AB, K/A SYS 064 A4.06 3.9/3.9 (From Cook 2002 NRC exam)	D,A,S	6
g. [NRC2004-SIM09] Respond to Traveling Screen DP Alarm per 12-OHP-4022-057-001. K/A SYS 075 A2.01 3.0/3.2	N,A,S,L	8

B.2 Facility Walk-Through

a. [NRC2004-INP03] Shift TDAFP Suction to ESW per 02-4022-055-003. K/A APE 054 AA1.01 4.5/4.4	D	4S
b. [NRC2004-INP05] RCP Seal Injection via CVCS Cross-Tie to Maintain Pressurizer Level per 01-OHP-4025-LS-6. APE 022 AA1.01 3.4/3.3	D,R	2
c. [NRC2004-INP06] Perform Local Diesel Generator Trip and Isolation per 02-OHP-4025-LTI-3 (DG Fails to Trip with Pushbutton) APE 068 AA1.31 3.9/4.0 (From Cook 2002 NRC exam)	D,A	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

(Rev. 11-5-04)

Facility: DC COOK Date of Examination: 03/15/2004
 Exam Level (circle one): RO / (SRO(I)) / SRO(U) Operating Test No.: _____

B.1 Control Room Systems

System / JPM Title	Type Code*	Safety Function
a. [NRC2004-SIM02] Perform Subcooling Margin Determination per 02-OHP-4023-SUP-001. K/A EPE 011 EA1.14 3.9/4.1	D,S,L	7
b. [NRC2004-SIM03] Isolate Ruptured Steam Generator per 02-OHP-4023-E-3. K/A EPE 038 EA1.32 4.6/4.7	M,A,S,L	4P
c. [NRC2004-SIM05] Perform Hydrogen Recombiner Functional Test per 02-OHP-4030-STP-013A. K/A SYS 028 A4.01 4.0/4.0	N,S	5
d. [NRC2004-SIM06] Synchronize and Load 2AB EDG per 01-OHP-4030-STP-027AB, K/A SYS 064 A4.06 3.9/3.9 (From Cook 2002 NRC Exam)	D,A,S	6
e. [NRC2004-SIM04] Place Excess Letdown in Service per 02-OHP-4021-003-001. K/A SYS 004 A4.06 3.6/3.1	D,S	2
f. [NRC2004-SIM08] Adjust Pressure in an SI Accumulator per 02-OHP-4021-008-006. K/A SYS 006 A1.13 3.5/3.7	D,S,L	3
g. [NRC2004-SIM09] Respond to Traveling Screen DP Alarm per 12-OHP-4022-057-001. K/A SYS 075 A2.01 3.0/3.2	N,A,S,L	8

B.2 Facility Walk-Through

a. [NRC2004-INP01] Locally Restore CR Ventilation per 01-OHP-4025-R-14. APE 068 AA1.24 3.0/3.6	N,	7
b. [NRC2004-INP02] Locally Restore CRID Inverters per 01-OHP-4021-082-008. APE 057 AA1.01 3.7/3.7	D,A	6
c. [NRC2004-INP04] Local Control of RHR valve for RCS Cooldown. K/A SYS 005 A2.04 2.9/2.9 (From Cook 2002 NRC Exam)	D,R	4P

* 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

(Rev. 2, 3-4-04)

Facility: DC COOK Date of Examination: 03/15/2004
 Exam Level (circle one): RO / SRO(I) / SRO(U) Operating Test No.: _____

B.1 Control Room Systems

System / JPM Title	Type Code*	Safety Function
a. [NRC2004-SIM07] Dilute the RCS per 12-OHP-4021-005-001. K/A SYS 004 A4.12 3.3/3.8	D,S,L	1
b. [NRC2004-SIM08] Adjust Pressure in an SI Accumulator per 02-OHP-4021-008-006. K/A SYS 006 A1.13 3.5/3.7	D,S,L	3
c. [NRC2004-SIM09] Respond to Traveling Screen DP Alarm per 12-OHP-4022-057-001. K/A SYS 075 A2.01 3.0/3.2	N,A,S,L	8
# c. [NRC2004-SIM10] Manually Align CTS and Phase B per 02-OHP-4023-FR-Z.1. K/A SYS SYS 026 A4.01 4.5/4.3	N,A,S,L	5

B.2 Facility Walk-Through

a. [NRC2004-INP02] Locally Restore CRID Inverters per 01-OHP-4021-082-008. APE 057 AA1.01 3.7/3.7	D,A	6
b. [NRC2004-INP04] Local Control of RHR valve for RCS Cooldown. K/A SYS 005 A2.04 2.9/2.9 (From Cook 2002 NRC Exam)	D,R	4P

* 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

(Rev. 1, 1-26-04)

Replaced SIM09 with SIM10 JPM for first applicant (SRO-U) due to improper simulator configuration; however, SIM09 was administered to remaining 12 applicants. NRC RIII management was consulted, and SIM10 developed by the licensee. SIM10 was reviewed, validated, and approved by the NRC examiners using independent crew.