2010 D. C. COOK NUCLEAR PLANT INITIAL EXAMINATION

PROPOSED EXAM FILES



Indiana Michigan Power One Cook Place Bridgman, MI 49106

April 30, 2010

U. S. Nuclear Regulatory Commission ATTN: Mr. Raymond K. Walton Region III Examiner 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352

Donald C. Cook Nuclear Plant Units 1 and 2 2010 INITIAL LICENSE EXAMINATION

Enclosed you will find a copy of the Initial License Examination for the planned June 2010 Examination at Donald C. Cook Nuclear Plant (CNP).

The following items are enclosed in the sealed envelope:

- CNP 2010 NRC Operating Examination Overview 1)
- 2) ES-201-3 Examination Security Agreement
- ES-301-3 Operating Test Quality Checklist 3)
- Scenario Exams with Forms ES-D-1 & D-2 4)
 - COOK2010-01
 - COOK2010-02 b)
 - c) COOK2010-03
 - d) COOK2010-04
- ES-301-4 Simulator Checklist 5)
- ES-301-5 Transient and Event Checklist Crews 1, 2, & 3 6)
- ES-301-5 Transient and Event Checklist Crew 4 7)
- ES-301-5 Transient and Event Checklist Crew 5 8)
- ES-301-6 Competencies Checklist Crews 1, 2, & 3 9)
- ES-301-6 Competencies Checklist Crew 4 10)
- 11) ES-301-6 Competencies Checklist Crew 5
- 12) ES-301-2 System JPM Outlines & Exams
 - ES-301-2 SRO(I) JPM Outline
 - ES-301-2 SRO(U) JPM Outline b)
 - ES-301-2 RO JPM Outline c)
 - NRC2010-SIM01 d)
 - NRC2010-SIM02 e)
 - f) NRC2010-SIM03
 - g) NRC2010-SIM04
 - NRC2010-SIM05 h)
 - i) NRC2010-SIM06
 - NRC2010-SIM07 j)
 - NRC2010-SIM08

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- I) NRC2010-INP01
- m) NRC2010-INP02
- n) NRC2010-INP03
- 13) ES-301-1 Admin JPM Outlines & Exams
 - a) ES-301-1 SRO Admin Outline
 - b) ES-301-1 RO Admin Outline
 - c) NRC2010-A1a
 - d) NRC2010-A1b-R
 - e) NRC2010-A1b-S
 - f) NRC2010-A2
 - g) NRC2010-A3
 - h) NRC2010-A4
- 14) ÉS-401-6 Written Exam Quality Checklist
- 15) CNP 2010 Written Exam Attachments
- 16) CNP 2010 NRC Written Examination (100 questions with references)

A hard copy of the examination materials is provided for your review. A complete electronic copy of documents without initials or signatures or other handwritten notations for the Public Document Room (ADAMS) has also been provided. This contains the full outline (previously submitted) and electronic PDF versions of the RO and SRO examinations that are to be administered.

None of these materials are to go to the Public Document Room (ADAMS) until after the examination has been completed.

If you have any comments or concerns, please contact Ted Conrad or Steve Pettinger at (269) 465-5901, extension 3738, or myself at (269) 466-3407.

Sincerely,

Brian E. Evans

Operations Training Manager

JTC/jen

Enclosures

Facility: DC COOKRANT UNIT 1 \$ UNTI 2 Date of Examination: 4/21/10 Operating	CR6 Test N	ارس آumbe	(-5 r:
		Initial	s
1. General Criteria	а	b*	c#
a. The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	TR	85	b in
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.	M	8	RHW
c. The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	M	85	RKW
d. Overlap with the written examination and between different parts of the operating test is within acceptable limits.	M	8	Alle
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	M	85	Rhw
2. Walk-Through Criteria			
a. Each JPM includes the following, as applicable: initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee operationally important specific performance criteria that include: detailed expected actions with exact criteria and nomenclature system response and other examiner cues statements describing important observations to be made by the applicant criteria for successful completion of the task identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable	M	83	PHU PHU
outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	TR	85	NW
3. Simulator Criteria	-		
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	The	8	pm
a. Author b. Facility Reviewer(*) c. NRC Chief Examiner (#) NOTE: The facility signature is not applicable for NRC-developed tests. Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.		<u>ی</u>	

Facil	ty:Cook Peant Unit Curt 2Date of Exam:4/2/Scenario Num	bers: 1/2/3/4 Operation	g Test N	O.CRI	EW5				
	QUALITATIVE ATTRIBUTES			Initials					
			а	b*	c#				
1.	M	83	phi						
2.	2. The scenarios consist mostly of related events.								
3.	AR.	83	phi						
4.	M	85	RINO						
5.	on	83	BW						
6.	M	83	pri						
7.	ar	83	Byr						
8.	The simulator modeling is not altered.								
9.	TR	83	thy						
10.	M	83	Ryn						
11.	M	83	Barry						
12.	gr	8	Bro						
13.	9R	8	KKM						
Ta	arget Quantitative Attributes (Per Scenario; See Section D.5.d)	Actual Attributes							
1.	Total malfunctions (5–8)	6161616	gr	83	RIN				
2.	Malfunctions after EOP entry (1–2)	2121212	TR	85	DYW				
3.	Abnormal events (2–4)	4 14 14 13	n	83	Bom				
4.	Major transients (1–2)	1111211	TIC	8	bym				
5.	EOPs entered/requiring substantive actions (1–2)	1111211	M	8	BIM				
6.	EOP contingencies requiring substantive actions (0-2)	0111110	arc	8	RIW				
7	Critical tasks (2–3)	2121212	gr	85	per				

Facility: <u>DC Cook</u> Date	of E	xamin	nation: 06	3/21/20)10		0	perat	ing T	est No	o.:C	rew	s 1,	2, 8	3	
						APPL	.ICAI	NTS								
	S	O RO-I RO-U		11) RO-I RO-U) RO-I RO-U				RO SR			
Competencies		SCENARIO			SCENARIO			SCENARIO					SCENARIO			
	SRO 1	SRO 2		ATC 1	вор 2			BOP 1	ATC 2			1	2	3	4	
Interpret/Diagnose Events and Conditions	3,4,5, 6,7,8, 9	3,4,5, 6,7,8, 9		3,5,7	3,6,7,			4,6,7	4,5,7							
Comply With and Use Procedures (1)	2,3,4, 5,6,7, 8,9	2,3,4, 5,6,7, 8,9		2,3,5,	1,3,6, 7,8,9			1,4,6, 7	2,4,5,							
Operate Control Boards (2)				2,3,5,	1,3,6, 7,8,9			1,4,6,	2,4,5,							
Communicate and Interact	2,3,4, 5,6,7, 8,9	2,3,4, 5,6,7, 8,9		2,3,5,	1,3,6, 7,9			1,4,6,	2,4,5,							
Demonstrate Supervisory Ability (3)	2,3,4, 5,6,7, 8,9	2,3,4, 5,6,7, 8,9														
Comply With and Use Tech. Specs. (3)	3,6	3,4,5,														
Notes: (1) Includes Technical Sp (2) Optional for an SRO-l		ation o	compliance	e for an	RO.											

Instructions:

(3)

Only applicable to SROs.

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility: <u>DC Cook</u> Date	of E	xamir	ation	: 06	/21/20)10		C	perat	ing T	est No	o.:Cı	rew	4		
							APF	PLICA	NTS							
Competencies	S	RO-I RO-U	I 🖂	,	SF	D RO-I RO-U SCEN	JARIO		SF	O-I RO-U BCEN	ARIO					
Competencies	SRO 3	вор 4			ATC 3	SRO 4			вор	ATC 4			1	2	3	4
Interpret/Diagnose Events and Conditions	2,3,4, 6,7,8, 9,10	4,6,7,			2,4,7, 8,9	3,4,5, 6,7,8, 9			3,6,7,	3,5,7,						
Comply With and Use Procedures (1)	2,3,4, 5,6,7, 8,9, 10	1,4,6, 7,8			2,4,5, 7,8,9	2,3,4, 5,6,7, 8,9			1,3,6, 7,9	2,3,5, 7,9						
Operate Control Boards (2)		1,4,6, 7,8			2,4,5, 7,8,9				1,3,6, 7,9	2,3,5, 7,9						
Communicate and Interact	1,2,3, 4,5,6, 7,8,9, 10	1,4,6, 7,8			2,4,5, 7,8,9	2,3,4, 5,6,7, 8,9			1,3,6, 7,9	2,3,5, 7,9						
Demonstrate Supervisory Ability (3)	1,2,3, 4,5,6, 7,8,9, 10					2,3,4, 5,6,7, 8,9										
Comply With and Use Tech. Specs. (3)	2,3,4					4,5,6										
Notes: (1) Includes Technical S(2) Optional for an SRO-(3) Only applicable to SR	U.	ation (compli	iance	for an	RO.										

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility: DC Cook Date	e of Examination	n: 06/2	21/20	10		С	perat	ing Te	est No	o.:Cr	rew	5		
					APF	PLICA	NTS							
	RO SRO-I SRO-U) RO-I RO-U) RO-I RO-U				RO SR		
Competencies	SCENARIO	o l	5	SCEN	ARIC)	S	CEN	ARIO		S	CE	NAF	RIO
	SRO SRO 3 4		ATC 3	вор 4							1	2	3	4
Interpret/Diagnose Events and Conditions	2,3,4, 3,4,5, 6,7,8, 6,7,8, 9,10 9		2,4,7, 8,9	4,6,7,										
Comply With and Use Procedures (1)	2,3,4, 5,6,7, 8,9, 10		2,4,5, 7,8,9	1,4,6, 7,8										
Operate Control Boards (2)			2,4,5, 7,8,9	1,4,6, 7,8										
Communicate and Interact	1,2,3, 2,3,4, 4,5,6, 5,6,7, 7,8,9, 8,9		2,4,5, 7,8,9	1,4,6, 7,8										
Demonstrate Supervisory Ability (3)	1,2,3, 2,3,4, 4,5,6, 5,6,7, 7,8,9, 8,9													
Comply With and Use Tech. Specs. (3)	2,3,4 4,5,6													
Notes: (1) Includes Technical Sp (2) Optional for an SRO- (3) Only applicable to SR	U.	liance t	for an	RO.										

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility:	COOK PLANT UNIT I & UNIT Z Date	e of Exam:	6/2	1/10) Exan	n Level:	ROX:	SRO X			
		а	b*	c*							
1.	Questions and answers are technically accurate and applicable to the facility.										
2.	 a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available. 										
3.		gr	83	phw							
4.	uestions office).			RHU							
5.	gr.	83	Ru								
6.	Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank Modified New 48115 1115 11615				gr	85	BNM			
7.	Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Mem 36 /		gr.	85	KKM					
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.			•		M	85	RNW			
9.		OR	87	ph							
10.		an	45	exw							
11.		gr	8	BKM							
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Regional Supervisor Printed Name / Signature SCOTT D. Be hrus LYMOUN L. Jalton Regular Number (#) (A) Figure Regional Supervisor The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.											