

PROPOSED EXAMINATION COVER LETTER AND CHECKLISTS

FOR THE BRAIDWOOD INITIAL EXAMINATION - MAY 2006

Exelon Generation Company, LLC www.exeloncorp.com
Braidwood Station
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Braceville, IL 60407-9619
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March 10, 2006
BW060019

James L. Caldwell
Regional Administrator
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, IL 60532- 4352

Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: Submittal of Integrated Initial License Training Examination Materials

Enclosed are the examination materials, which Braidwood Station is submitting in support of the Initial License Examination scheduled for the week of May 15, 2006 at Braidwood Station.

This submittal includes the Senior Reactor Operator and Reactor Operator Written Examinations, Job Performance Measures, and Integrated Plant Operation Scenario Guides.

These examination materials have been developed in accordance with NUREG-1021, "Operator Licensing Examination Standards," Revision 9. Please note that reference materials are attached to each individual examination question or item.

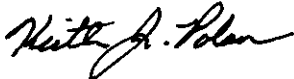
Some minor modifications have been made to the Integrated Examination Outline with regards to the operational scenarios in order to improve balance and content. These changes improve examination quality and are in compliance with NUREG-1021, Revision 9, "Operator Licensing Examination Standards."

Some modifications or adjustments to the examination material may be required due to procedural changes.

In accordance with NUREG-1021, Revision 9, Section ES-201, please ensure that these materials are withheld from public disclosure until after the examinations are complete.

Should you have any questions concerning this letter, please contact Mr. Dale Ambler, Regulatory Assurance Manager, at (815) 417-2800. For questions concerning examination materials, please contact Mr. Darren Stiles at (815) 458-7829.

Respectfully,



Keith J. Polson
Site Vice President
Braidwood Station

Enclosures: (Hand delivered to Dell McNeil, Chief Examiner, NRC Region III)

RO/SRO Composite Examination with references attached
Control Room Systems and Facility Walk-Through Job Performance Measures with references attached

Administrative Topic Job Performance Measures with references attached
Integrated Plant Operation Scenario Guides

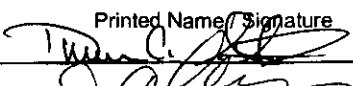
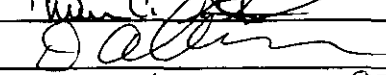
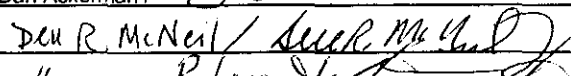
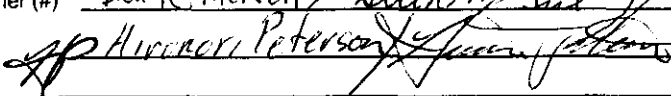
Completed Checklists:

- Operating Test Quality Checklist (Form ES-301-3)
- Simulator Scenario Quality Checklist (Form ES-301-4)
- Transient and Event Checklist (Form ES-301-5)
- Competencies Checklist (Form ES-301-6)
- Written Exam Quality Checklist (Form ES-401-6)

Examination Security Agreements (Form ES-201-3)
Record of Rejected K/As (Form ES-401-4)

cc: (without attachments)
Chief, NRC Operator Licensing Branch
NRC Senior Resident Inspector, Braidwood Station

bcc: (w/o enclosures)
Braidwood Station Project Manager, NRR
Vice President – Licensing and Regulatory Affairs
Director, Licensing and Regulatory Affairs
Regulatory Assurance Manager – Braidwood Station
Manager, Licensing – Braidwood, Byron and LaSalle County Stations
Braidwood Nuclear Licensing Administrator
Exelon Document Control Desk Licensing (Hard Copy)
D. Stiles, Braidwood Training Department

Facility: <u>Braidwood</u>		Date of Examination: <u>05/15/2006</u>		Operating Test Number: <u>2006301</u>	
1. GENERAL CRITERIA		Initials			
		a	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).	TS	D	DM	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	TS	D	DM	
c.	The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	TS	D	DM	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	TS	D	DM	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	TS	D	DM	
2. WALK-THROUGH CRITERIA		--	--	--	
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> - 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 	TS	D	DM	
b.	Ensure that any changes from the previously approved systems and administrative walk-through 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.	TS	D	DM	
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.		TS	D	DM	
		Printed Name/ Signature		Date	
a.	Author	Darren Stiles / 		03/10/06	
b.	Facility Reviewer (*)	Dan Ackerman / 		03/10/06	
c.	NRC Chief Examiner (#)	Don R. McNeil / 		03/29/06	
d.	NRC Supervisor			5/14/06	
NOTE: * The facility signature is not applicable for NRC-developed tests # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence is required.					

ES-301 Transient and Event Checklist Form ES-301-5

Facility: Braidwood		Date of Exam: 05/15/2006					Operating Test Number: 2006301										
APPLICANT	EVENT TYPE	Scenarios												TOTAL	MINIMUM(*)		
		1			2			3			4						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP				
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	4			2			1					3	1	1	0	
	NOR	1											1	1	1	1	
	I/C	3,4			3,5		3						5	4	4	2	
	MAJ	5,7			6		5,7						5	2	2	1	
	TS	2,3											2	0	2	2	
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX		4		2								2	1	1	0	
	NOR				1				1,2				3	1	1	1	
	I/C		3		3-5				4				5	4	4	2	
	MAJ		5,7		6				5,7				5	2	2	1	
	TS				1,4								2	0	2	2	
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>	RX						1						1	1	1	0	
	NOR			1		1,2	2						4	1	1	1	
	I/C		4		4	3,4							4	4	4	2	
	MAJ			5,7	6	5,7							5	2	2	1	
	TS						2,3						2	0	2	2	
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX													1	1	0	
	NOR													1	1	1	
	I/C													4	4	2	
	MAJ													2	2	1	
	TS													0	2	2	


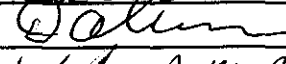
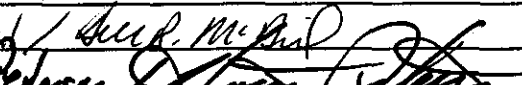
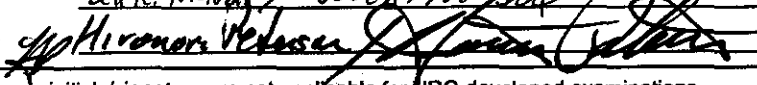
Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Facility: Braidwood		Date of Examination: 05/15/2006				Operating Test No.: 2006301										
Competencies	APPLICANTS															
	RO <input type="checkbox"/>				RO <input type="checkbox"/>				RO <input type="checkbox"/>				RO <input type="checkbox"/>			
	SRO-I <input checked="" type="checkbox"/>				SRO-I <input checked="" type="checkbox"/>				SRO-I <input type="checkbox"/>				SRO-I <input type="checkbox"/>			
	SRO-U <input type="checkbox"/>				SRO-U <input type="checkbox"/>				SRO-U <input checked="" type="checkbox"/>				SRO-U <input type="checkbox"/>			
SCENARIO				SCENARIO				SCENARIO				SCENARIO				
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Interpret/ Diagnose Events and Conditions																
2-7	2,3 5-7	1,3,5, 6		3-7	2-8	1,2,4, 5,7-9		1,2,4, 5,7	2,4, 6-8	1,3-9						
Comply With and Use Procedures (1)																
1-7	2,3 5-7	1,3,5, 6		3-7	1-8	1,2,4, 5,7-9		1,2,4, 5,7	1,2,4, 6-8	1-9						
Operate Control Boards (2)																
N/A	2,3 5-7	1,3,5, 6		3-7	N/A	1,2,4, 5,7-9		1,4,5, 7	1,2,4, 6-8	N/A						
Communicate and Interact																
1-7	2,3 5-7	1,3,5, 6		3-7	1-8	1,2,4, 5,7-9		1,2,4, 5,7	1,2,4, 6-8	1-9						
Demonstrate Supervisory Ability (3)																
1-7	N/A	N/A		N/A	1-8	N/A		N/A	N/A	1-9						
Comply With and Use Tech Specs. (3)																
2,3	N/A	N/A		N/A	1,4	N/A		N/A	N/A	2,3						
Notes:																
(1) Includes Technical Specification compliance for an RO.																
(2) Optional for an SRO-U.																
(3) Only applicable to SROs.																

Instructions:

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

Facility: Braidwood		Date of Exam: 05/15/2006		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description	Initial			a	b*	c [#]
	a	b*	c [#]			
1. Questions and answers are technically accurate and applicable to the facility.	DS	Q	DM			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	DS	Q	DM			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	DS	Q	DM			
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exam, consult the NRR OL program office).	DS	Q	DM			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed; or <input checked="" type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	DS	Q	DM			
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	DS	Q	DM
	14/5	2/1	59/19			
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 KAs support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory		C/A	DS	Q	DM
	33 / 8		42 / 17			
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	DS	Q	DM			
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified	DS	Q	DM			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	DS	Q	DM			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet	DS	Q	DM			
			Printed Name / Signature	Date		
a. Author	Darren Stiles / 			03/10/06		
b. Facility Reviewer (*)	Dan Ackerman / 			03/10/06		
c. NRC Chief Examiner (#)	Dee R. McNeil / 			03/29/06		
d. NRC Regional Supervisor	Hironori Peterson / 			5/19/06		
Note: * 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.						