

2012 POINT BEACH NUCLEAR PLANT

INITIAL LICENSE EXAMINATION

PROPOSED EXAM FILES



October 9, 2012

NRC 2012-0085

Mr. Hironori Peterson, Chief
Operations Branch
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Point Beach Nuclear Plant, Units 1 and 2
Dockets 50-266 and 50-301
Renewed License Nos. DPR-24 and DPR-27

Initial Operator License Examination

Reference: NRC to NextEra Energy Point Beach, LLC dated May 30, 2012

In accordance with the requirements listed in the referenced letter, NextEra Energy Point Beach, LLC (NextEra) is submitting the initial license examination for the Point Beach Nuclear Plant. This submittal is made in accordance with the provisions of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9 Supplement 1. The initial license examination is scheduled for December 3-14, 2012. The following materials are enclosed:

- Two corrected Forms ES-401-2, Pressurized Water Reactor (PWR) Examination Outline (one each for Reactor Operator [RO] and Senior Reactor Operator [SRO]), and one associated Form ES-401-3, Generic Knowledge and Abilities Outline (Tier 3)
- One corrected Form ES-401-4, Record of Rejected Knowledge, Skills and Abilities
- One corrected Description of Random Sampling Methodology, and Knowledge and Ability Suppression Report
- Three (3) corrected Forms ES-D-1, Scenario Outline
- One (1) Form ES 301-3, Operating Exam Quality Checklist
- One (1) Form ES-301-4, Simulator Scenario Quality Checklist
- One (1) Form ES-301-5, Transient and Event Checklist
- One (1) Form ES-301-6, Competencies Checklist
- Eleven (11) Operational Job Performance Measures (JPMs)
- Nine (9) Administrative JPMs
- Three (3) QF-1075 Forms, Simulator Evaluation Guides, equivalent to Form ES-D-2 Required Operator Actions (one for each scenario)
- One (1) ES 401-6, Written Exam Quality Checklist

ENCLOSURE TO BE WITHHELD FROM PUBLIC DISCLOSURE UNTIL EXAMINATIONS ARE COMPLETE

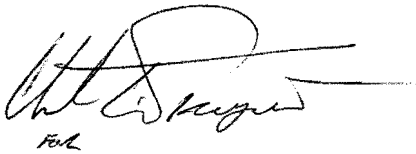
- Seventy Five (75) Forms ES-401-5, Written Examination Question Worksheets (RO); one (1) RO Written Exam (ready to give with handouts), and one (1) RO Written Exam Key with supporting procedures
- Twenty Five (25) Forms ES-401-5, Written Examination Question Worksheets (SRO); one (1) SRO Written Exam (ready to give with handouts), and one (1) SRO Written Exam Key with supporting procedures
- Audit Exam materials for comparison including three (3) Scenario Outlines and four (4) JPM outlines

Pursuant to the provisions of NUREG-1021, Revision 9, Supplement 1, these materials shall be withheld from public disclosure until after the examinations are complete.

Please contact Mr. Randall Amundson at 920/755-6860 if you have questions regarding this submittal.

Very truly yours,

NextEra Energy Point Beach, LLC

A handwritten signature in black ink, appearing to read 'Larry Meyer', with a long horizontal flourish extending to the right.

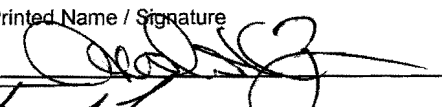
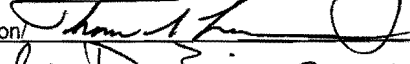


Larry Meyer
Site Vice President

Enclosure

ENCLOSURE

**NEXTERA ENERGY POINT BEACH, LLC
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2**

INITIAL OPERATOR LICENSE EXAMINATION

Facility: Point Beach		Date of Examination: 12/3/12 Operating Test Number:2012301		
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).	OK	TL	copy
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	OK	TL	copy
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	OK	TL	copy
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	OK	TL	copy
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	OK	TL	copy
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 	OK	TL	copy
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.	OK	TL	copy
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.		OK	TL	copy
	Printed Name / Signature	Date		
a.	Author <u>Andrew Zommers/</u> 	<u>10/3/12</u>		
b.	Facility Reviewer(*) <u>Tom Larson/</u> 	<u>10/3/12</u>		
c.	NRC Chief Examiner (#) <u>Charles D. Spivey/</u> 	<u>11/26/2012</u>		
d.	NRC Supervisor <u>Hironori Kikuchi/</u> 	<u>11/26/12</u>		
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

Facility: Point Beach		Date of Exam: December 3, 2012		Scenario Numbers: 1 / 2 / 3		Operating Test No.: 2012301		
QUALITATIVE ATTRIBUTES						Initials		
						a	b*	c#
1.	The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.	OF	TL	CMY				
2.	The scenarios consist mostly of related events.	OF	TL	CMY				
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 	OF	TL	CMY				
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.	OF	TL	CMY				
5.	The events are valid with regard to physics and thermodynamics.	OF	TL	CMY				
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	OF	TL	CMY				
7.	If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.	OF	TL	CMY				
8.	The simulator modeling is not altered.	OF	TL	CMY				
9.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	OF	TL	CMY				
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.5 of ES-301.	OF	TL	CMY				
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	OF	TL	CMY				
12.	Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).	OF	TL	CMY				
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	OF	TL	CMY				
Target Quantitative Attributes (Per Scenario; See Section D.5.d)		Actual Attributes		-	-	-		
1.	Total malfunctions (5-8)	6 / 6 / 5		OF	TL	CMY		
2.	Malfunctions after EOP entry (1-2)	2 / 2 / 1		OF	TL	CMY		
3.	Abnormal events (2-4)	3 / 3 / 3		OF	TL	CMY		
4.	Major transients (1-2)	1 / 1 / 1		OF	TL	CMY		
5.	EOPs entered/requiring substantive actions (1-2)	2 / 1 / 1		OF	TL	CMY		
6.	EOP contingencies requiring substantive actions (0-2)	0 / 1 / 0		OF	TL	CMY		
7.	Critical tasks (2-3)	2 / 2 / 2		OF	TL	CMY		

Facility: Point Beach Date of Examination: Week of Dec. 3, 2012 Operating Test No.:2012

Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input 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	2,3,4	All	3,8		2,3,4,5,6	1,5,6	3,4,5,6,7		4,7,8	2,4,5,6,7	4,5,6,7					
Comply With and Use Procedures (1)	All	All	2,3,5,8		2,3,4,5,6	1,3,4,5,6	All		1,4,5,7,8	2,4,5,6,7	4,5,7					
Operate Control Boards (2)	N/A	N/A	All		All	All	N/A		All	All	All					
Communicate and Interact	All	All	2,3,5		2,3,4,5,6	2,4,5,6	All		1,4,5,7,8	2,4,5,6,7	4,5,6,7					
Demonstrate Supervisory Ability (3)	All	All	N/A		N/A	N/A	All									
Comply With and Use Tech. Specs. (3)	2,3	1,3	N/A		N/A	N/A	4,6									

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

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: Point Beach Date of Examination: Week of Dec. 3, 2012 Operating Test No.: 2012301

Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input 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	2,3,4	All			4,8	2,4,5,6,7										
Comply With and Use Procedures (1)	All	All			1,4,5,8	2,4,5,6,7										
Operate Control Boards (2)	N/A	N/A			All	All										
Communicate and Interact	All	All			1,4,5,8	2,4,5,6,7										
Demonstrate Supervisory Ability (3)	All	All														
Comply With and Use Tech. Specs. (3)	2,3	1,3														

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

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: PBNP 2012 NRC Exam		Date of Exam: December 3, 2012		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description	Initial					
	a	b*	c#			
1. Questions and answers are technically accurate and applicable to the facility.	of	TL	cmj			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	of	TL	cmj			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	of	TL	cmj			
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 exams, consult the NRR OL program office).	of	TL	cmj			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: ___ 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 ___ the examinations were developed independently; or ___ the licensee certifies that there is no duplication; or other (explain)	of	TL	cmj			
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	of	TL	cmj
	46 / 10	0 / 0	29 / 15			
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.	Memory	C/A		of	TL	cmj
	45.3% / 24%	54.7% / 76%				
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	of	TL	cmj			
9. Question content conforms with specific K/A statements in the previously approved exam outline and is appropriate for the tier to which they are assigned; deviations are justified.	of	TL	cmj			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	of	TL	cmj			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.	of	TL	cmj			
a. Author [Exam Project Manager]		Andrew Zommers		Date		
b. Facility Reviewer (*) [EPOS]		Tom Larson		10/8/12		
c. NRC Chief Examiner (#)		Charles [Signature]		10/8/12		
d. NRC Regional Supervisor		Hironori [Signature]		11/1/12		
				11/26/12		
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.						