

2010 BYRON STATION

INITIAL EXAMINATION

OUTLINE SUBMITTAL

Exelon Generation Company, LLC www.exeloncorp.com
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

July 6, 2010

LTR: BYRON 2010-0071
File: 1.10.0101

Mark Satorius
Regional Administrator - Region III
United States Nuclear Regulatory Commission
2443 Warrenville Road Suite 210
Lisle, IL 60532-4352

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Subject: Submittal of Initial Operator Licensing Examination Outline

Enclosed are the examination outlines, supporting the Initial License examination scheduled for the weeks of September 27, 2010 through October 8, 2010, at Byron Station.

This submittal includes all appropriate Examination Standard forms and outlines in accordance with NUREG-1021, "Operator Licensing Examination Standards", Revision 9.

In accordance with NUREG 1021, Revision 9, Section ES-201, "Initial Operator Licensing Examination Process", 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. David T. Gudger, Regulatory Assurance Manager, at (815) 406-2800. For questions concerning examination materials, please contact Mr. Robert F. Peterson at 815-406-3228.

Respectfully,



Daniel J. Enright
Site Vice President
Byron Nuclear Generating Station

DJE/RF/TH/cy

Enclosures listed below will be hand delivered to Mike Bielby, Chief Examiner, NRC Region III

- Examination Security Agreements (Form ES-201-3)
- Administrative Topics Outline(s) (Form ES-301-1)
- Control Room/In-Plant Systems Outline (Form ES-301-2)
- PWR Examination Outline (Form ES-401-2)
- Generic Knowledge and abilities Outline (Tier 3) (Form ES-401-3)
- Scenario Outlines (Form ES-D-1)
- Record of Rejected K/As (Form ES-401-4)
- Completed Checklists:
 - o Examination Outline quality Checklist (Form ES-201-2)
 - o Transient and Event Checklist (Form ES-301-5)

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

Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	ch
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	RFP	and	MFB
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	RFP	and	MFB
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	RFP	and	MFB
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	RFP	and	MFB
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	RFP	and	MFB
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that <u>no scenarios are duplicated from the applicants' audit test(s)</u> , and that scenarios will not be repeated on subsequent days.	RFP	and	* MFB
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	RFP	and	MFB
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form *(3) <u>no tasks are duplicated from the applicants' audit test(s)</u> (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	RFP	and	* MFB
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form (2) at least one task is new or significantly modified (3) no more than one task is repeated from the last two NRC licensing examinations	RFP	and	MFB
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	RFP	and	MFB
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	RFP	and	MFB
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	RFP	and	MFB
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	RFP	and	MFB
	d. Check for duplication and overlap among exam sections.	RFP	and	MFB
	e. Check the entire exam for balance of coverage.	RFP	and	MFB
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	RFP	and	MFB
a. Author	ROBERT F PETERSON / <i>Robert F. Peterson</i>		Date	6/27/2010
b. Facility Reviewer (*)	M. Rasmussen / <i>M. Rasmussen</i>			7/1/10
c. NRC Chief Examiner (#)	Michael Bielby / <i>Michael E. Bielby</i>			7/20/10
d. NRC Supervisor	Hironori Peterson / <i>Hironori Peterson</i>			7/21/10
Note:	# Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines			

* Audit test will be reviewed during validation MFB