

**2012 PALISADES NUCLEAR PLANT**

**INITIAL LICENSE EXAMINATION**

**OUTLINE SUBMITTAL**



Entergy Nuclear Operations, Inc.  
Palisades Nuclear Plant  
27780 Blue Star Memorial Highway  
Covert, MI 49043

Otto W. Gustafson  
Licensing Manager

PNP 2012-062

June 28, 2012

NUREG-1021

Mr. R. Keith Walton  
U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road  
Suite 210  
Lisle, IL 60532-4352

Subject: Initial License Examination Outline

Palisades Nuclear Plant  
Docket 50-255  
License No. DPR-20

Dear Sir:

Entergy Nuclear Operations, Inc. is submitting the initial license examination outline, for the Palisades Nuclear Plant, in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1. The initial license examination is scheduled for October 1 through October 12, 2012. The following materials are enclosed:

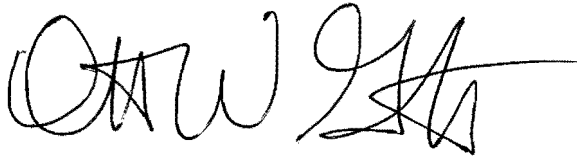
- One Form ES-201-2, Examination Outline Quality Checklist
- One Form ES-201-3, Examination Security Agreement
- One Form ES-301-1, Administrative Topics Outline (SRO)
- One Form ES-301-1, Administrative Topics Outline (RO)
- One Form ES-301-2, Control Room/In-Plant Systems Outline (SRO-I)
- One Form ES-301-2, Control Room/In-Plant Systems Outline (SRO-U)
- One Form ES-301-2, Control Room/In-Plant Systems Outline (RO)
- Two Forms ES-D-1, Scenario Outline, one for each projected scenario

- Two Forms ES-301-5, Transient and Event Checklist
- One Form ES-401-2, PWR Examination Outline (RO/SRO)
- One Form ES-401-3, Generic Knowledge and Abilities Outline (RO/SRO)
- One Form ES-401-4, Record of Rejected K/As (RO/SRO exams)
- K/A Selection Methodology and Suppression Report
- Proposed Operating Test Schedule

Pursuant to NUREG-1021, these materials shall be withheld from public disclosure until after the examinations are complete.

Please contact Jeffrey Iliff at (269) 764-2974 if you have any questions regarding this submittal.

This letter contains no new commitments and no revisions to existing commitments.

A handwritten signature in black ink, appearing to read 'R. Keith Walton' with a stylized flourish at the end.

OWG/bed


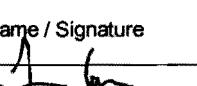
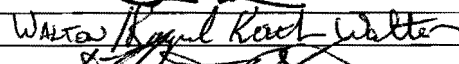
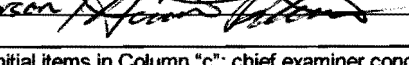
Attachment: Palisades Nuclear Plant Initial Licensed Operator Examination Outline

CC Administrator, Region III, USNRC (w/o attachment)  
Project Manager, Palisades, USNRC (w/o attachment)  
Resident Inspector, Palisades, USNRC (w/o attachment)  
Document Control Desk, USNRC (w/o attachment)

**WITHHOLD ENCLOSURE FROM PUBLIC DISCLOSURE  
IN ACCORDANCE NUREG-1021, REVISION 9, SUPPLEMENT 1**

**ATTACHMENT**

**PALISADES NUCLEAR PLANT  
INITIAL LICENSED OPERATOR EXAMINATION OUTLINE**

Facility: Palisades		Date of Examination: October 2012		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	✓	TPH	RAW
	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.	✓	TPH	RAW
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	✓	TPH	RAW
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	✓	TPH	RAW
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.	✓	TPH	RAW
	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 no scenarios are duplicated from the applicants' audit test(s), and scenarios will not be repeated on subsequent days.	✓	TPH	RAW
	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.	✓	TPH	RAW
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) no tasks are duplicated from the applicants' audit test(s) (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	✓	TPH	RAW
	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	✓	TPH	RAW
	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.	✓	TPH	RAW
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 section.	✓	TPH	RAW
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	✓	TPH	RAW
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	✓	TPH	RAW
	d. Check for duplication and overlap among exam sections.	✓	TPH	RAW
	e. Check the entire exam for balance of coverage.	✓	TPH	RAW
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	✓	TPH	RAW
a. Author: Jeffrey Iliff /  b. Facility Reviewer (*): Timothy Horan /  c. NRC Chief Examiner (#): Raymond Keith Walter /  d. NRC Supervisor: Hironori Peterson / 		Date: 6-29-12 7/3/12 7/11/12 7/17/12		
NOTE: # Independent NRC Reviewer initial items in Column "c"; chief examiner concurrence required * Not applicable for NRC-prepared examinations				