

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9101080141 DOC. DATE: 91/01/02 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

AUTH. NAME: PLUNKETT, T.F. AUTHOR AFFILIATION: Florida Power & Light Co. *See Report*  
 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: Forwards "Turkey Point Simulator Initial Certification," Vol 1 & "Turkey Point Simulator Initial Certification," Vol 2.

DISTRIBUTION CODE: A005D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3+190  
 TITLE: Simulator Facility Certification

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JAN 02 1991

L-90-461

10 CFR 55.45(b)

Director of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
10 CFR 55.45, "Certification of Plant-Referenced Simulator"

Gentlemen:

10 CFR 55.45(b) (5) (i) requires licensees to certify via NRC Form 474, that the simulation facility meets the Commission's regulations. Enclosed is Florida Power and Light Company's submittal for certifying the Turkey Point Units 3 and 4 simulator as a plant - referenced simulator per 10 CFR 55.45(b). Included in this submittal is a completed, signed NRC Form 474 for each unit, and two volumes of information to support this submittal.

The Certification submittal is organized into two volumes. Volume I contains the Certification submittals for Turkey Point Units 3 and 4. The Unit 3 section of Volume I is organized in a manner similar to ANSI/ANS 3.5-1985, Appendix A, Guide for Documenting Simulator Performance. The Unit 4 section of Volume I references the Unit 3 Certification submittal and analyzes the differences between the two units. Volume II contains the abstracts of the Simulator Certification Tests which were performed to verify that the Turkey Point simulator operates in accordance with ANSI/ANS 3.5. Table 0-1 of Volume I provides a cross-reference between ANSI/ANS 3.5 sections and the sections of this submittal.

10 CFR 55.45 (b) (5) (ii) requires that licensees "submit, every four years on the anniversary of the certification, a report to the Commission which identifies any uncorrected performance test failures." Also 10 CFR 55.45 (b) (5) (vi) requires the submittal of "a schedule for the conduct of approximately 25 percent of the performance tests per year for the subsequent four years." Section 3.0 of Volume I presents the Test Plan that will be implemented to comply with these requirements.

Should there be any questions, please contact us.

Very truly yours,

T. F. Plunkett  
Vice President  
Turkey Point Plant Nuclear

TFP/RJT/rjt

Attachments (4)

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant  
US NRC Document Control Desk  
an FPL Group company

40035

A005

# SIMULATION FACILITY CERTIFICATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 120 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0138), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS. This form is to be filed for initial certification, recertification (if required), and for any change to a simulation facility performance testing plan made after initial submittal of such a plan. Provide the following information, and check the appropriate box to indicate reason for submittal.

FACILITY  
TURKEY POINT NUCLEAR GENERATING UNIT NUMBER 3

DOCKET NUMBER  
50. 250

LICENSEE  
FLORIDA POWER AND LIGHT COMPANY

DATE  
12/31/90

This is to certify that:

1. The above named facility licensee is using a simulation facility consisting solely of a plant-referenced simulator, that meets the requirements of 10 CFR 55.45.
  2. Documentation is available for NRC review in accordance with 10 CFR 55.45(b).
  3. This simulation facility meets the guidance contained in ANSI/ANS 3.5, 1985, as endorsed by NRC Regulatory Guide 1.149.
- If there are any exceptions to the certification of this item, check here ☒ and describe fully on additional pages as necessary.

NAME (or other identification) AND LOCATION OF SIMULATION FACILITY  
TURKEY POINT SIMULATOR  
9½ MILES EAST OF FLORIDA CITY ON PALM DRIVE  
FLORIDA CITY, FLORIDA 33034

☒ SIMULATION FACILITY PERFORMANCE TEST ABSTRACTS ATTACHED. (For performance tests conducted in the period ending with the date of this certification)

DESCRIPTION OF PERFORMANCE TESTING COMPLETED (Attach additional page(s) as necessary, and identify the item description being continued)

SEE ATTACHED DOCUMENT

☒ SIMULATION FACILITY PERFORMANCE TESTING SCHEDULE ATTACHED. (For the conduct of approximately 25% of performance tests per year for the four year period commencing with the date of this certification.)

DESCRIPTION OF PERFORMANCE TESTING TO BE CONDUCTED. (Attach additional page(s) as necessary, and identify the item description being continued)

SEE ATTACHED DOCUMENT

☐ PERFORMANCE TESTING PLAN CHANGE. (For any modification to a performance testing plan submitted on a previous certification)

DESCRIPTION OF PERFORMANCE TESTING PLAN CHANGE (Attach additional page(s) as necessary, and identify the item description being continued)

INITIAL CERTIFICATION - NOT APPLICABLE

☐ RECERTIFICATION (Describe corrective actions taken, attach results of completed performance testing in accordance with 10 CFR § 55.45(b)(5)iv). Attach additional page(s) as necessary, and identify the item description being continued.)

INITIAL CERTIFICATION - NOT APPLICABLE

Any false statement or omission in this document, including attachments, may be subject to civil and criminal sanctions. I certify under penalty of perjury that the information in this document and attachments is true and correct.

SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

DATE

*Thomas P. Plunkett*

VICE PRESIDENT - TURKEY POINT

JAN 02 1991

In accordance with 10 CFR § 55.5, Communications, this form shall be submitted to the NRC as follows:

BY MAIL ADDRESSED TO: Director, Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

BY DELIVERY IN PERSON  
TO THE NRC OFFICE AT:

One White Flint North  
11555 Rockville Pike  
Rockville, MD

1. The first part of the report is a general introduction to the subject of the study.

2. The second part of the report is a detailed description of the methods used in the study.

3. The third part of the report is a discussion of the results of the study.

4. The fourth part of the report is a conclusion and a list of references.

5. The fifth part of the report is a list of appendices.

## SIMULATION FACILITY CERTIFICATION

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FACILITY  
TURKEY POINT NUCLEAR GENERATING UNIT NUMBER 4

DOCKET NUMBER  
50. 251

LICENSEE  
FLORIDA POWER AND LIGHT COMPANY

DATE  
12/31/90

**This is to certify that:**

1. The above named facility licensee is using a simulation facility consisting solely of a plant-referenced simulator that meets the requirements of 10 CFR 55.45.
  2. Documentation is available for NRC review in accordance with 10 CFR 55.45(b).
  3. This simulation facility meets the guidance contained in ANSI/ANS 3.5, 1985, as endorsed by NRC Regulatory Guide 1.149.
- If there are any exceptions to the certification of this item, check here ☒ and describe fully on additional pages as necessary.

**NAME (or other identification) AND LOCATION OF SIMULATION FACILITY**

TURKEY POINT SIMULATOR  
9½ MILES EAST OF FLORIDA CITY ON PALM DRIVE  
FLORIDA CITY, FLORIDA 33034

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SEE ATTACHED DOCUMENT

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SEE ATTACHED DOCUMENT

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DESCRIPTION OF PERFORMANCE TESTING PLAN CHANGE (Attach additional page(s) as necessary, and identify the item description being continued)

INITIAL CERTIFICATION - NOT APPLICABLE

RECERTIFICATION (Describe corrective actions taken, attach results of completed performance testing in accordance with 10 CFR § 55.45(b)(5)(iv). Attach additional page(s) as necessary, and identify the item description being continued.)

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SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

DATE

Thomas P. Plummer

VICE PRESIDENT - TURKEY POINT

JAN 02 1991

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BY DELIVERY IN PERSON  
TO THE NRC OFFICE AT:

One White Flint North  
11555 Rockville Pike  
Rockville, MD

[illegible][illegible][illegible]

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (C) and the experimental group (E). The control group (C) was divided into two subgroups: the control group (C) and the control group (C). The experimental group (E) was divided into two subgroups: the experimental group (E) and the experimental group (E).

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