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 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530

AUTH. NAME AUTHOR AFFILIATION
 CONWAY, W.F. Arizona Public Service Co. (formerly Arizona Nuclear Power
 RECIP. NAME RECIPIENT AFFILIATION
 Office of Nuclear Reactor Regulation, Director (Post 870411

SUBJECT: Forwards "Palo Verde Nuclear Generating Station Simulator
 1991 Certification Submittal."

DISTRIBUTION CODE: A005D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6+450
 TITLE: Simulator Facility Certification

NOTES: STANDARDIZED PLANT
 Standardized plant.
 Standardized plant.

See Rpt.

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WILLIAM F. CONWAY
EXECUTIVE VICE PRESIDENT
NUCLEAR

161-03838-WFC/GEC
March 26, 1991

Docket Nos. STN 50-528/529/530

Director, Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Simulation Facility Certification
File: 91-056-026

Arizona Public Service Company (APS), in accordance with 10 CFR 55.45(b)(2)(iii), hereby certifies the PVNGS Unit 1 Simulator as a Plant-Referenced Simulator pursuant to 10 CFR 55.45(b)(1)(ii). A completed, signed NRC Form 474, "Simulation Facility Certification," is attached for each PVNGS Unit and one copy of the Certification Submittal, which constitutes the supporting documentation, is also attached.

The Certification Submittal includes a Certification Package Overview as well as detailed information concerning Certification exemptions and justification, performance test abstracts and a schedule for periodic test performance, Simulator capabilities and environment, Simulator discrepancies, and differences between the Simulator and the individual PVNGS Units.

APS will comply with the requirement in 10 CFR 55.45(b)(5)(ii) that licensees "Submit, every four years on the anniversary of the certification, a report to the Commission which identifies any uncorrected performance test failures, and submit a schedule for correction of such performance test failures, if any." Appropriate controls have been instituted to ensure compliance with this requirement. In addition, 10 CFR 55.45(b)(5)(iv) requires "...a schedule for the conduct of approximately 25 percent of the performance tests per year for the subsequent four years." This schedule is included in Section 8 of the attachment.

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Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Simulation Facility Certification
Page Two

161-03838-WFC/GEC
March 26, 1991

If you have any questions or require further information, please
contact Michael E. Powell at (602) 340-4981.

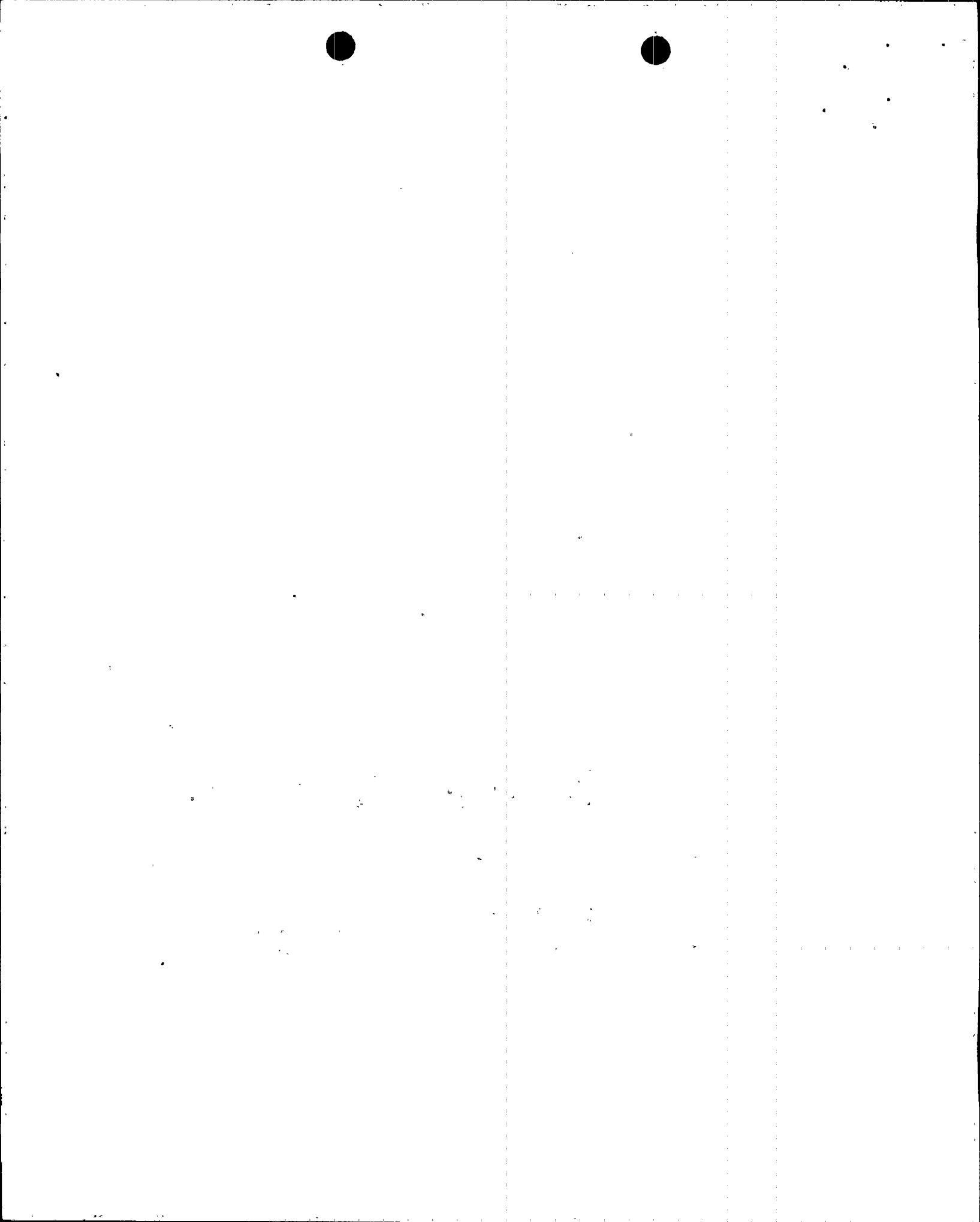
Sincerely,



WFC/GEC/gec

Attachments

cc: Document Control Desk	(w/attachment)
J. B. Martin	(w/attachment)
D. F. Kirsch	
L. F. Miller	
D. H. Coe	(w/attachment)
A. C. Gehr	(w/attachment)
A. H. Gutterman	(w/attachment)



Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Simulation Facility Certification
Page Three

161-03838-WFC/GEC
March 26, 1991

bcc: J. M. Levine (6125)
J. N. Bailey (1966)
W. F. Quinn (1502)
M. E. Powell (1515)
R. A. Bernier (1515)
E. G. Firth (6155) (w/attachment)
D. C. Brown (6153) (w/attachment)
E. E. Van Brunt (1922)
Document Source
Library (6715) (w/attachment)



W. J. B.

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
Palo Verde Nuclear Generating Station, Unit 1

DOCKET NUMBER

50- 528

LICENSEE
Arizona Public Service Company

DATE

3/26/91

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

Palo Verde Nuclear Generating Station Unit 1 Simulator

☒ 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)

Refer to the attachment to this Simulation Facility Certification

☒ 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)

Refer to the attachment to this Simulation Facility Certification

☐ 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)

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.)

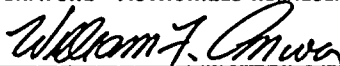
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Any false statement or omission in this document, including attachments, may be subject to civil and criminal sanctions. I certify under penalty of perjury that the information in this document and attachments is true and correct.

SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

DATE



Executive Vice President, Nuclear

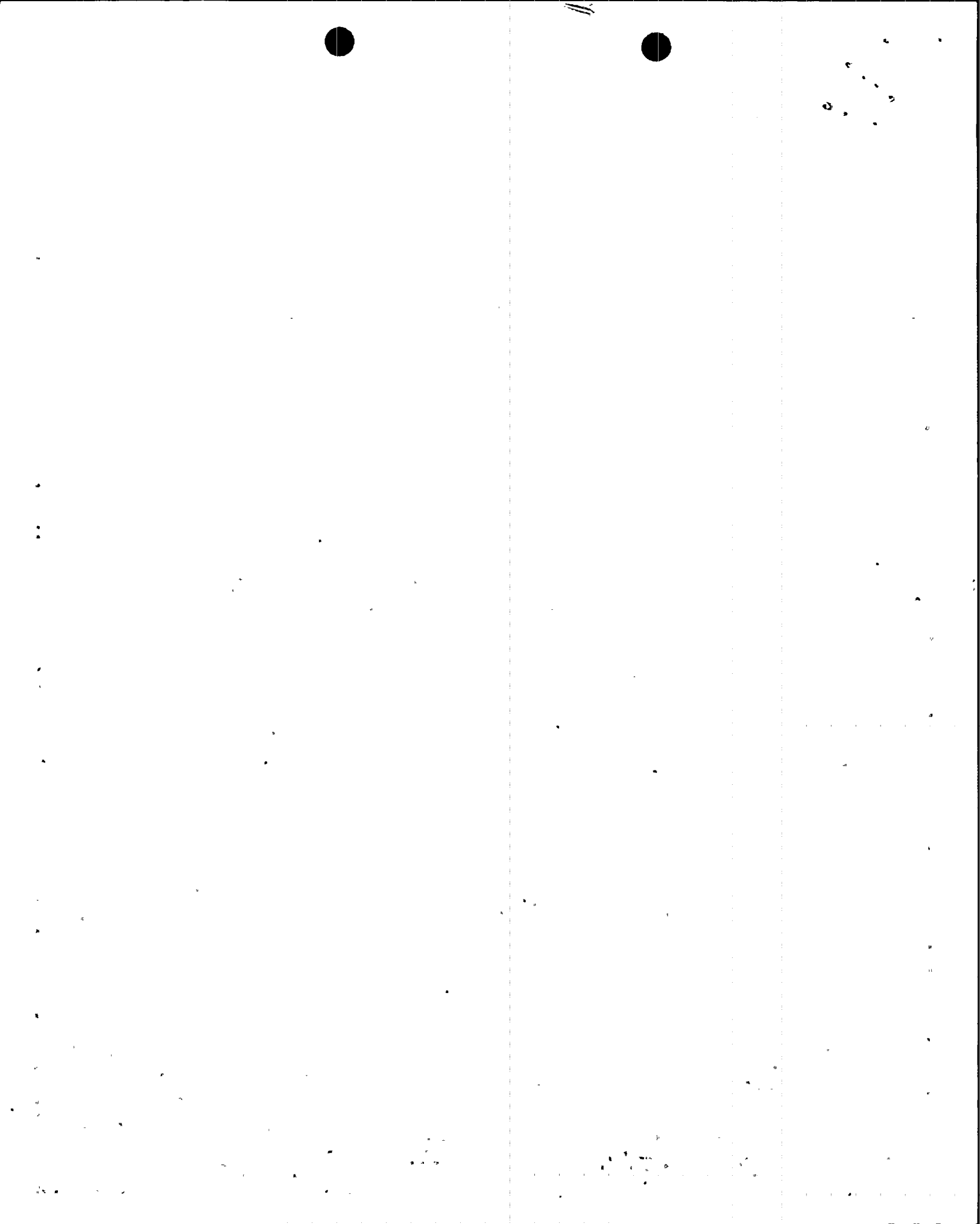
3/26/91

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



SIMULATION FACILITY CERTIFICATION

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FACILITY
Palo Verde Nuclear Generating Station, Unit 2

DOCKET NUMBER
50- 529

LICENSEE
Arizona Public Service Company

DATE
3/26/91

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

Palo Verde Nuclear Generating Station Unit 1 Simulator

☒ 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).

Refer to the attachment to this Simulation Facility Certification

☒ 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)

Refer to the attachment to this Simulation Facility Certification

☐ 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)

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.)

NOT APPLICABLE

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SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

DATE

William F. Conway

Executive Vice President, Nuclear

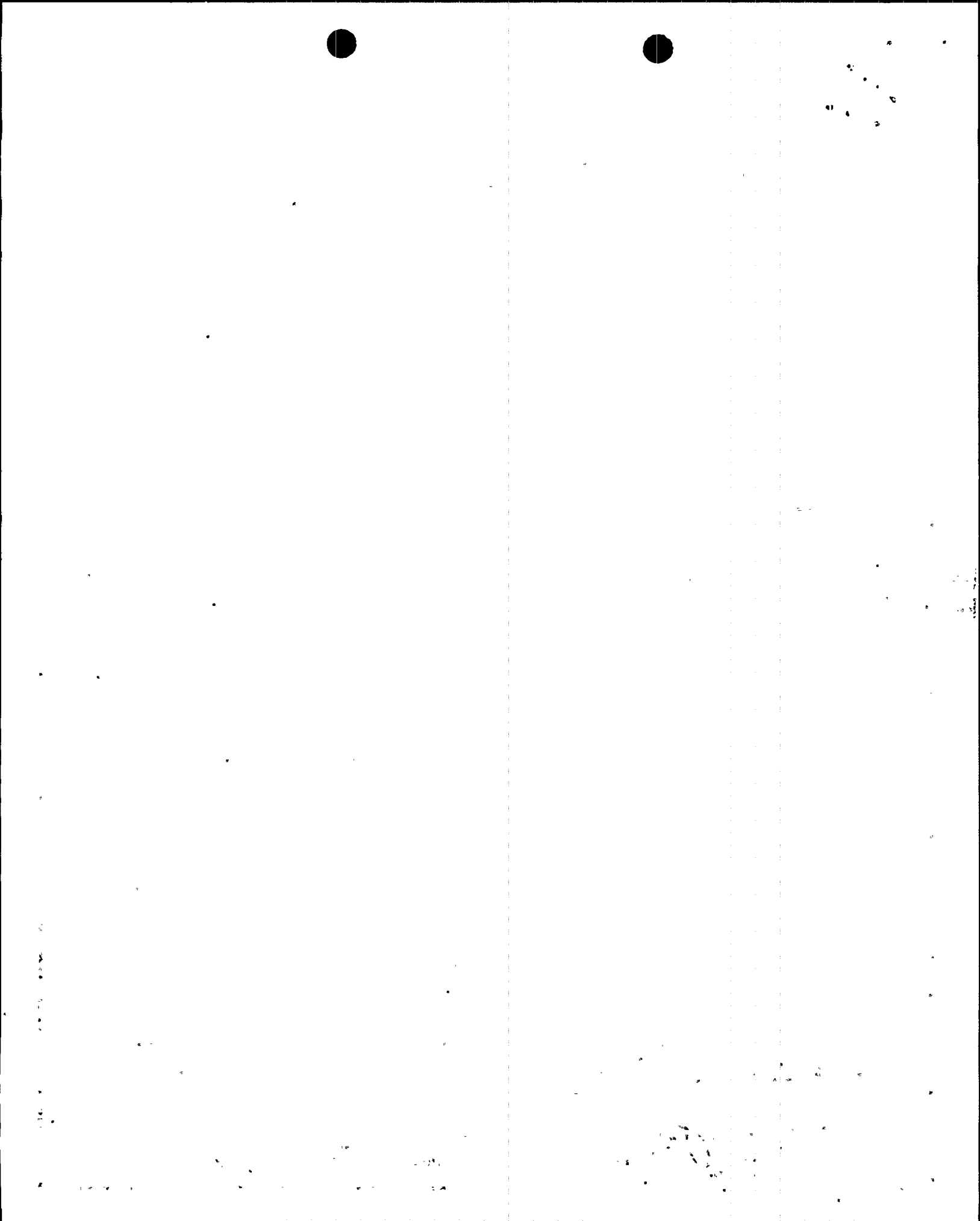
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Washington, DC 20555

BY DELIVERY IN PERSON
TO THE NRC OFFICE AT:

One White Flint North
11555 Rockville Pike
Rockville, MD



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FACILITY
Palo Verde Nuclear Generating Station, Unit 3

DOCKET NUMBER
50- 530

LICENSEE
Arizona Public Service Company

DATE
3/26/91

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

Palo Verde Nuclear Generating Station Unit 1 Simulator

☒ 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)

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SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

DATE

William J. [Signature]

Executive Vice President, Nuclear

3/26/91

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