

Commonwealth Edison Company
Braidwood Generating Station
Route #1, Box 84
Braceville, IL 60407-9619
Tel 815-458-2801



March 6, 1996

Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Braidwood Nuclear Power Station, Units 1 and 2
"Braidwood Simulator Facility"
Certification of Simulator Facility - 10CFR 55.45
NRC Docket Nos. 50-456 and 50-457

The purpose of this letter is to submit information pursuant to 10CFR 55.45.b.5 in order to renew the certification of the Braidwood Simulator Facility. This submittal for certification renewal addresses both operating units at Braidwood Station with Braidwood Unit 1 serving as the reference plant. In the section titled "Reg. Guide 1.149 Requirements" of our certification report, the requirement for dual plant simulation facilities are evaluated and the results demonstrate that the Braidwood Simulator's performance compares favorably with each unit. In addition, steady state testing per ANSI/ANS-3.5, 1985 Appendix B was performed. These tests compare the Braidwood simulator performance to Braidwood Unit 1 performance with favorable results.

The attachment to this letter contains two NRC Form 474's, i.e. One for each docket number and two copies of the Renewal Certification Report. These documents certify the Braidwood Simulations Facility meets the Nuclear Regulatory Commission's regulations.

Please direct any questions that you may have to John Walker, (815) 458-2801 extension 2375, or Ken Tiefenthal, (815) 458-3411 extension 2422.

Karl L. Kaup
Site Vice President
Braidwood Generating Station

Attachments

cc: H. J. Miller, Regional Administrator - RIII
R. R. Assa, Braidwood Project Manager - NRR
C. J. Phillips, Senior Resident Inspector - Braidwood

9603140205 960306
PDR ADOCK 05000456
P PDR

1401 55 d:\efm\corresp\96010.doc

A005
1/25/96

SIMULATION FACILITY CERTIFICATION

Estimated burden per response to comply with this mandatory information collection request: 120 hours. This information is used to certify a simulation facility. Forward comments regarding burden estimate to the Information and Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001 and to the Paperwork Reduction Project (3150-0138), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

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 Braidwood Station - Unit 1		DOCKET NUMBER 50-456
LICENSEE Commonwealth Edison Company		DATE 3-11-96

This is to certify that:

- 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
- Documentation is available for NRC review in accordance with 10 CFR 55.45(b)
- This simulation facility meets the guidance contained in ANS/ANS 3.5-1985 or ANS/ANS 3.5-1993 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

Production Training Center
36400 S. Essex Road
Wilmington, IL 60481

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 pages as necessary and identify the item description being continued.)

See Enclosure, Section A.3, Simulator Tests.
See Enclosure, Attachment 2, Steady State/ Normal Operation/
Real Time/ Valve Stroke Time/ Transient Test Results

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 pages as necessary and identify the item description being continued.)

See Enclosure, Appendix 6, Simulator Test Procedure and
Malfunction Testing Schedule

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 pages as necessary and identify the item description being continued.)

See Enclosure, Appendix 6, Simulator Test Procedure and
Malfunction Testing Schedule

Malfunctions CH09 and FW47 have been added.

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

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 Braidwood Sta. Site Vice-President	DATE 3-11-96
--	---	-----------------

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 20555-0001	BY DELIVERY IN PERSON TO THE NRC OFFICE AT	ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE ROCKVILLE, MD
----------------------	---	---	--

SIMULATION FACILITY CERTIFICATION

Estimated burden per response to comply with this mandatory information collection request: 120 hours. This information is used to certify a simulation facility. Forward comments regarding burden estimate to the Information and Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0138), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

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 Braidwood Station - Unit 2		DOCKET NUMBER 50-457
LICENSEE Commonwealth Edison Company		DATE 3-11-96

This is to certify that:

- 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.
- Documentation is available for NRC review in accordance with 10 CFR 55.45(b).
- This simulation facility meets the guidance contained in ANS/VANS 3.5-1985 or ANS/VANS 3.5-1993, 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

**Production Training Center
36400 S. Essex Road
Wilmington, IL 60481**

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 pages as necessary and identify the item description being continued.)

See Enclosure, Section A.3, Simulator Tests.
See Enclosure, Attachment 1, Reg. Guide 1.149 Requirements for Dual Plant Simulation Facility.
See Enclosure, Attachment 2, Steady State/ Normal Operations/ Real Time/ Valve Stroke Time/ Transient Test Results.

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 pages as necessary and identify the item description being continued.)

See Enclosures, Appendix 6, Simulator Test Procedure and Malfunction Testing Schedule.

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 pages as necessary and identify the item description being continued.)

See Enclosures, Appendix 6, Simulator test Procedure and Malfunction Testing Schedule.

Malfunctions CH09 and FW47 have been added.

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

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 Braidwood Station Site Vice-President	DATE 3-11-96
---	---	------------------------

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 20555-0001	BY DELIVERY IN PERSON TO THE NRC OFFICE AT	ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE ROCKVILLE, MD
----------------------	---	--	--