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AUTH.NAME AUTHOR AFFILIATION
MINECK,D.L. Iowa Electric Light & Power Co.
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Forwards "Duane Arnold Energy Center Simulator
Certification Rept."

DISTRIBUTION CODE: A005D COPIES RECEIVED:LTR 1 ENCL 2 SIZE: 3+673
TITLE: Simulator Facility Certification

NOTES: See Reports

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Iowa Electric Light and Power Company

March 25, 1991
NG-91-0596

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
MAIL STATION P1-137
Washington, DC 20555

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
Plant-Referenced Simulator Certification Report
File: A-205h, H-41e

Dear Dr. Murley:

In accordance with the Code of Federal Regulations, Title 10, Section 55.45(b), Iowa Electric Light and Power Company (IELP) hereby certifies the Duane Arnold Energy Center (DAEC) simulator as a plant-referenced simulator. We have enclosed a completed NRC Form 474 and the DAEC Plant Simulator Certification Report.

IELP has determined that the DAEC Simulator meets the standards set forth in ANSI/ANS-3.5-1985, as referenced in Regulatory Guide 1.149, with one minor exception. Section 3.2.3 of the Standard requires communications systems that a control room operator would use to communicate with an auxiliary operator or other support activities to be operational to the extent that the simulator instructor, when performing these remote activities, be able to communicate over the appropriate communication system.

The current configuration of the DAEC simulator does not include the plant's radio system. While this has had no significant impact on training, as evidenced by our demonstrated ability to conduct NRC simulator examinations, we have documented this item as a discrepancy to be resolved in accordance with the simulator discrepancy resolution program.

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Dr. Thomas E. Murley
March 25, 1991
NG-91-0596
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Should you have any questions regarding this matter, please contact us.

Very truly yours,



Daniel L. Mineck
Manager, Nuclear Division

DLM/LRH/pjv+

Attachments: 1) NRC Form 474
2) DAEC Plant Simulator Certification Report

cc: L. Heckert
L. Liu
L. Root
R. McGaughy
S. Sands (NRC-NRR)
A. Bert Davis (Region III)
NRC Resident Office
Commitment Control #900036
(All w/o Attachment 2)

NRC FORM 474
(1-80)
10 CFR 55.45(b),
55.4 and 55.5

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0138
EXPIRES: 9-30-82

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 (MN88 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 Duane Arnold Energy Center	DOCKET NUMBER 50-331
LICENSEE Iowa Electric Light and Power Company, Central Iowa Power Cooperative and Corn Belt Power Cooperative	DATE 25 March, 1991

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. See cover letter.

NAME (or other identification) AND LOCATION OF SIMULATION FACILITY

Duane Arnold Energy Center Training Center
3363 DAEC Road
Palo, Iowa 52324

☒ **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 Certification Report

☒ **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 Certification Report

☐ **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 - this section 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 - this section 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

Manager, Nuclear Division

DATE

25 March, 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