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50-403 Shearon Harris Nuclear Power Plant, Unit 4, Carolina 05000403
AUTH.NAME AUTHOR AFFILIATION
COLLINS,J.M. Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
COLLINS,P.F. Operator Licensing Branch

SUBJECT: Requests review & concurrence w/Senior Reactor Operator Certification program & retraining program per HR Denton 800328 ltr,Certification program effective 800630,Retraining effective in 1981,Description of both programs encl.

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TITLE: Operator Requalification Program

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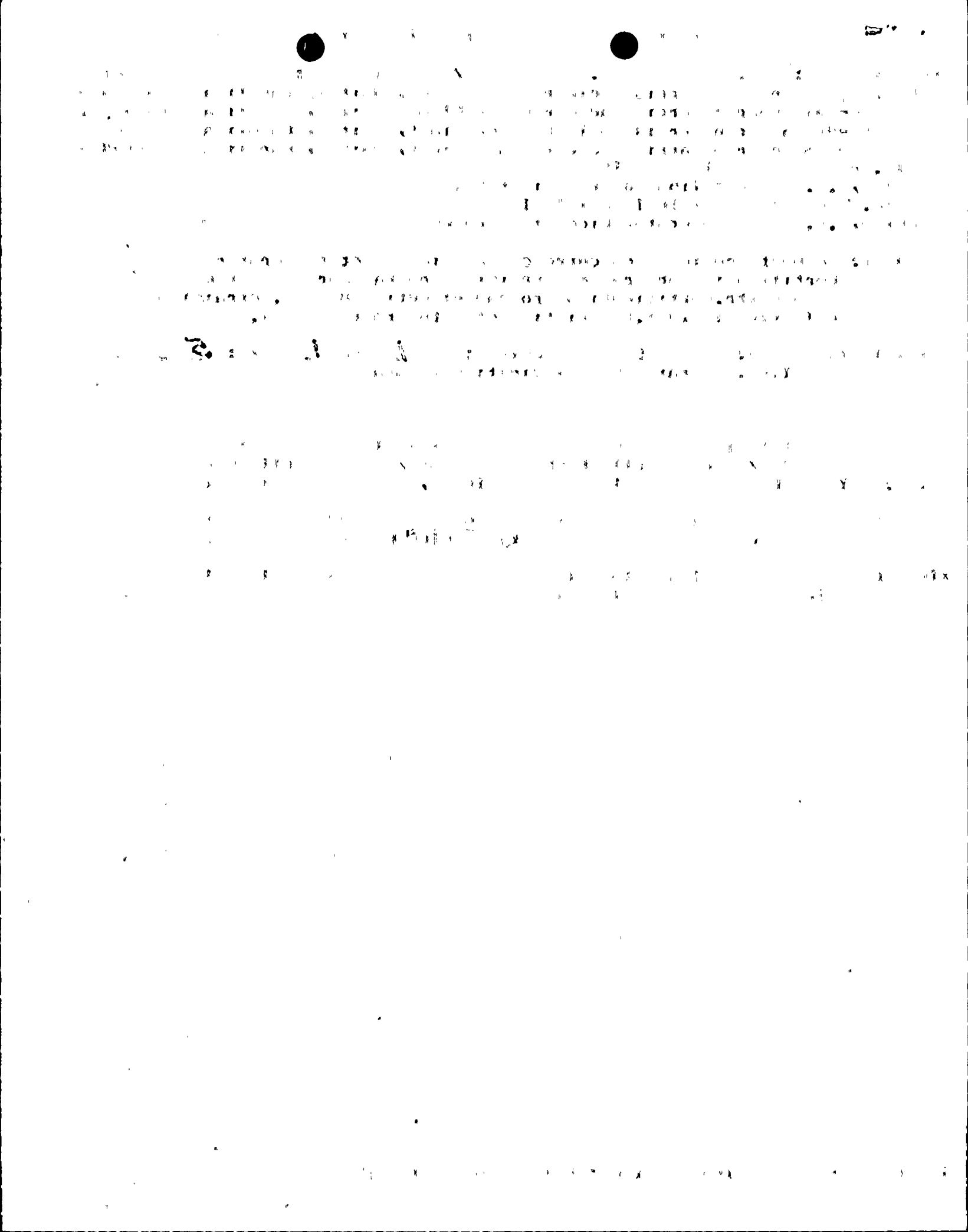

CP&L

Carolina Power & Light Company

Shearon Harris Energy & Environmental Center
Route 1, Box 327
New Hill, North Carolina 27562

June 23, 1980

Mr. Paul F. Collins, Chief
Operator Licensing Branch
Division of Project Management
U. S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland

Dear Mr. Collins:

Pursuant to the H. R. Denton letter of March 28, 1980, Carolina Power & Light Company requests your review and concurrence with our SRO certification program and retraining program as defined herein. Enclosed is a brief description of the SRO certification program (Enclosure One) that we will conduct at the Harris E&E Center commencing June 30, 1980. All of the simulator instructors who have not held an SRO license on a Westinghouse Unit will be put through the program, with the exception of Mr. John Vanderslice. At the conclusion of this program the instructors will be ready to certify at the senior operator level, on the Shearon Harris simulator.

Mr. Vanderslice will not be put through this license program or be prepared to certify SRO on the Shearon Harris Simulator. He was previously licensed SRO at CP&L's Brunswick facility which demonstrates his competence to teach BWR systems, integrated response, transients and BWR simulator courses. His duties in these areas will be restricted to BWR applications.

Enclosure Two is the description of the SRO retraining program that we will commence at the completion of the SRO certification program. Only the lecture series and self study program will be initiated in 1980. The rest of the program is fulfilled by the completion of the SRO certification program. In 1981, the full retraining program will be put into effect.

Very truly yours,

J. M. Collins
Director
Nuclear & Simulator Training

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LRV:rpb
Enclosures (2)
cc: Mr. C. A. Bethea
Mr. J. R. Bohannon, Jr.
Mr. B. J. Furr
Mr. M. A. Jones

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Enclosure One

INSTRUCTOR SRO CERTIFICATION PROGRAM

This program will consist of twelve weeks of intensive training. Each instructor, that has not previously held an SRO license on a Westinghouse plant, will be removed from all duties for the duration of the course.

The course consists of the following topics:

Subject	Duration
1. Harris Systems	3 weeks
2. Theory	2 weeks
3. Administrative Procedures	1 week
4. Emergency and Abnormal Procedures	1 week
5. Radiation Protection and Chemistry	1 week
6. Simulator	
A. Normal Evolutions	1 week
B. Transients & Multiple Casualties	3 weeks
7. During the final week of the program, simulated SRO exams will be administered.	

The certification program is scheduled to commence on June 30, 1980, and conclude on September 19.

Enclosure Two

SIMULATOR INSTRUCTOR REQUALIFICATION PROGRAM

Purpose:

To establish the requalification program requirements for simulator instructors assigned to the Harris Energy & Environmental Center. The program is designed to exceed the requirements of 10 CFR 55 Appendix A in the areas that are relevant to simulator instructors.

Definition:

For the purpose of this document, an instructor is defined as any individual who teaches system response, integrated response, transient and simulator courses.

Procedure:

I. A. Annually, each instructor will be required to pass a comprehensive exam covering material applicable to the Shearon Harris Nuclear Plant simulator. This exam will include the following sections:

1. Theory
   a. Reactor theory
   b. Heat transfer, fluid flow and thermodynamics

2. Operating characteristics

3. Instrumentation
   a. Control systems
   b. Protection systems

4. Safety and emergency systems

5. Normal and emergency procedures

6. Administrative procedures
   a. Harris standard tech specs
   b. Administrative instructions

B. Annual Exam Criteria

1. Overall grade $\geq$ 80%
   a. Each subject grade $\geq$ 70% - no action
   b. Any subject grade < 70%
      (1) Upgrade that subject within one month
      (2) Reexamination in that subject results in a grade of $\geq$ 80%

2. Overall grade < 80%
   a. Removed from simulator instructor duties
   b. Upgrade within one month
   c. Pass a comprehensive examination with an overall grade ≥ 80% and each subject grade ≥ 70%

3. An individual who fails to meet the above criteria (1.a, 1.b.2 or 2.c) will be removed from simulator instructor duties and be reassigned to duties that do not require an SRO level of knowledge.

C. The individual who administers and grades the annual comprehensive exam is not required to take the examination.

II. A. Each instructor will participate in simulator training programs for a minimum of 40 hours per year. This participation will be as the instructor, in the control room. If this requirement cannot be met, the individual will be evaluated on the simulator by completing an individual operating exam.

B. Evaluation Method

1. Each instructor will be evaluated annually, to determine his ability to perform instructor duties on the simulator. The evaluation will be performed by a member of management at least one level above the instructor. The evaluation will include the following areas:
   a. Technical competence
   b. Ability to communicate orally
   c. Ability to follow the specified program

2. The evaluation may be performed using either method described below
   a. Observation of the instructor during a simulator training exercise.
   b. Individual oral exam

III. Continuing Training

A. Lecture Series

Preplanned lectures will be conducted at least twice monthly. Each lecture will be approximately two hours in duration. The following subjects will be covered at the indicated frequency as a minimum.

Subject	Frequency
1. Theory	twice annually
2. Heat transfer & fluid flow	twice annually
3. Operating characteristics	twice annually
4. Safety and emergency systems	twice annually
5. Normal and emergency procedures	twice annually
6. Administrative procedures	twice annually
7. Robinson - Harris differences	annually
8. Significant operating events	as appropriate
9. Simulator changes	as appropriate
10. Other relevant subjects	as appropriate

B. Self Study

1. Each instructor will read/review NRC Transmittals as they are received from CP&L's Nuclear Licensing Unit, as well as selected Licensee Event Reports (which are reviewed by the training unit monthly for inclusion in future programs).

2. Each instructor will be required to read any documents concerning problems or changes that impact simulator operation or training.