

50-250/251

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ENCLOSURE

Proposed revision to Operators Requalification Program... (1 Cy rec'd)

ACKNOWLEDGED

RECEIVED

PLANT NAME: Turkey Point 3 & 4

SAFETY

FOR ACTION/INFORMATION

ENVIRO

5-20-76

enr

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BRANCH CHIEF :

PROJECT MANAGER:

LIC. ASST. :

PCollins (2) For Action

ASSIGNED AD :

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ANALYSIS

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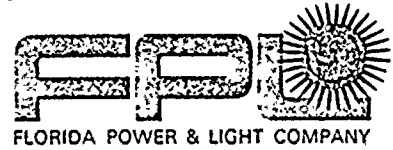
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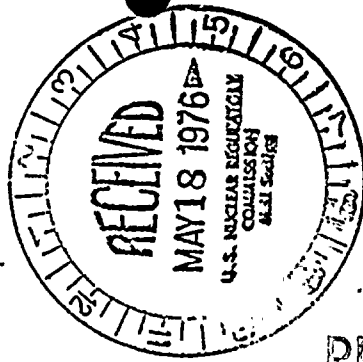
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CONTROL NUMBER

5005



Turkey Point Plant
May 4, 1976



REGULATORY DOCKET FILE COPY

50-250/251

U. S. Nuclear Regulatory Commission
Attention: Mr. Paul F. Collins
Room 330
Washington, D. C. 20555

Dear Sir:

Enclosed you'll find a copy of our latest proposed revision to the Turkey Point Requalification Procedure, A. P. 0301. Please review our proposed changes, and if you find them to be in accordance with 10CRF55 Appendix "A", we would appreciate your approving them for our use.



Respectfully,

H. E. Yaeger
H. E. Yaeger
Plant Manager

HEY/KEB/sr
Enclosure (1)

*Paul -
I have roughed out a
letter to be typed.
Burr*

5005

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
ADMINISTRATIVE PROCEDURE 0301
APRIL 26, 1976

1.0 Title:

LICENSED OPERATOR REQUALIFICATION PROGRAM

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change Dated 4/26/76 Reviewed by PNSC April 26, 1976

Approved By J. K. Hayes Plant Supt.; May 3, 1976

2.2 List of Effective Pages:

<u>Page</u>	<u>Date/Rev</u>	<u>Page</u>	<u>Date/Rev</u>	<u>Page</u>	<u>Date/Rev</u>
1	4/26/76	5	4/26/76	Figure 2	2/27/74
2	4/26/76	6	4/26/76	Figure 3	4/26/76
3	4/26/76	Figure 1A	4/26/76	Figure 4	4/26/76
4	4/26/76	Figure 1B	4/26/76		

3.0 Scope:

3.1 Purpose

This procedure provides instructions for conducting a requalification program which will assure that licensed operators and senior operators maintain their proficiency.

3.2 Discussion

One stipulation for license renewal requires each licensed individual to demonstrate his continued competency. Competence may be demonstrated, in lieu of re-examination, by completion of an approved requalification program.

The program will repeat on a continuing approximately one year cycle and, in brief, will consist of:

1. A series of lectures, written examinations, review of operating procedures and discussion sessions off shift.
2. On shift training wherein at least the required number of reactivity changes are performed, plant changes/modifications, operating procedure revisions and reportable occurrences are discussed, and performance under both simulated and actual off-normal/emergency situations is evaluated.

3. As individual licenses near the expiration date participation in the program will be reviewed, evaluations of performance will be analyzed, deficiencies will be rectified and a request for license renewal will be submitted to the USNRC.
4. Non-shift personnel who hold licenses and desire to keep their licenses effective shall participate fully in the program except for off-shift sessions devoted to subjects where their specialized knowledge precludes the need to attend.

3.3 Authority:

10 CFR 50.54 (i-1), 10 CFR 55.31 (e) and Appendix A to 10 CFR 55

3.4 Definitions:

3.4.1 Licensed operator, or licensee means an individual who holds an effective USNRC operator or senior operator license for Turkey Point Plant and who intends to maintain his license current.

3.4.2 Lecture Segment - may consist of several lecture sessions covering a particular topic or category.

3.4.3 Off-site Licensee: A licensee who is:

1. Not permanently assigned to the Turkey Point Plant, or
2. Assigned to Turkey Point Plant but who has been absent from the site for greater than 90 days at a time.

4.0 Precautions:

None

5.0 Responsibilities:

5.1 The Training Supervisor is to:

1. From the results of prior examinations, evaluations and suggestions by licensed operators, determine topics to be included in regularly scheduled lectures. Prepare the material and give lectures on these specific topics or appoint a competent individual to prepare and give lectures on specific topics.
2. Prepare examinations on lecture topics and an annual operator and senior operator NRC type examination.
3. Prepare a list of procedures to be reviewed on a scheduled off-shift basis.
4. Schedule off-shift discussion sessions on topics suggested by licensed operators or of current interest, such as plant changes and modifications, plant operating problems, reportable occurrences. Where deemed advisable, appoint an individual fully conversant with the topic to lead the discussion.
5. Arrange for competent examiners to give on-shift oral evaluations of off-normal and emergency procedures.
6. When actual off-normalities/emergencies occur, request the Nuclear Plant Supervisor to prepare evaluation sheets for licensed members of his crew.

7. Review the results of written exams and evaluations and, where required, provide intensive individual training.
8. Maintain the records required to document the training given each licensee.

5.2 The Operations Superintendent-Nuclear:

Shall coordinate with the Training Supervisor to prepare a schedule for off-shift training sessions.

5.3 The Nuclear Plant Supervisor in charge of each shift:

1. Shall be familiar with the performance of operators on his shift. When requested by the Training Supervisor, he will, on the form provided, evaluate the performance of members of his crew during actual off-normal/emergency situations and discuss the evaluations.
2. Copies of all documents distributed pursuant to Section 7.1 below will be sent to the nuclear control room, and posted in a binder provided for their receipt. Each shift supervisor shall ensure that each member of his crew reviews these documents and initials the acknowledgement section of the cover letter associated with these changes.
3. The individual log of reactivity changes for licensed crew members shall be kept. The licensee is to make entries which shall be validated by the Nuclear Plant Supervisor. At intervals, the supervisor is to review the logs of his shift members to assure that the required number of changes will be made within the two year cycle.

5.4 Each Licensee Shall:

1. Attend required off-shift lectures and discussion sessions and take scheduled written examinations and evaluations.
2. Maintain his log of reactivity changes.
3. Ensure that he understands documents distributed pursuant to Section 7.1 below and signify his understanding by initialing the acknowledgement letter associated with these changes.
4. Participate in special training programs where written examinations and evaluations indicate the need.

6.0 References: 10 CFR 50.54 (i-1), 10 CFR 55.31 (e) and Appendix A to 10 CFR 55

7.0 Records and Notification:

7.1 Training Report:

A copy of each significant plant change or modification, reportable occurrence, FSAR supplement, facility license amendment, and applicable significant procedure change shall be sent to the Nuclear Control Room, (for shift operators) and to the Training Supervisor's Office (for non-shift operators). These locations should maintain these documents in loose leaf binders, designated for the receipt of Training Reports. Document Control is responsible for posting all applicable changes in these binders periodically. Each licensee shall review these documents and shall so indicate by initialing the acknowledgement section of the Training Report Cover Letter associated with each posting. The completed training report cover letters shall be filed in Document Control. (See Figures 1A and 1B for details.)

7.2 Log of Reactivity Changes:

Each licensee shall maintain his own log. The logs for shift operators will be maintained in the Nuclear Plant Supervisor's office. The logs for non-shift operators will be maintained in the Training Supervisor's office. These logs should be updated at intervals not exceeding 2 months. At the completion of each two year license cycle, the log will be placed in the licensee's Requalification File. See Figure 2.

7.3 Performance Evaluation Sheets:

Are to be maintained in the Training Department files until completion of the licensee's two year cycle, then transferred to the Licensee's Requalification File maintained in Document Control. See Figure 3.

7.4 Log of On-Watch Duty-Off-Site Licensed Personnel:

This log will be displayed in a conspicuous location. Its purpose is to enable both the licensee and the Training Supervisor to assure that shift operation requirements are met. The logs need not be retained. Refer to Figure 4.

7.5 Records Relating to Off Shift Training:

1. Posted Schedule:

To be displayed in conspicuous locations and should show:

- Shifts on Training Schedule
- Dates of lectures and the subject matter
- Dates of procedure review and procedures to be discussed.
- Dates of discussion sessions and the topics to be discussed.
- Dates of scheduled examinations.

Multiple sessions will be required and the schedule should be posted sufficiently in advance to make the schedule arrangements necessary to allow licensees to attend a session.

Completed schedules shall be kept in the requalification program file maintained in Document Control.

2. Attendance Records:

The lecturer or discussion leader shall maintain a record of attendance. Multiple scheduling of sessions should assist in assuring that all licensed operators can attend. Where circumstances cause an absence, the necessity of make up should be determined by the Training Supervisor. Written examinations shall not be missed. The Attendance Record is to be kept in the Requalification Program File.

3. Written Examinations:

The questions, together with the answers for examinations on lecture topics and the yearly OP, SOP examination together with the grades made by each licensee shall be kept in the Requalification Program File.

4. Additional Training:

Where results of written examinations and evaluations indicate the need, study topics will be assigned, tutoring will be given and an examination formulated to test for acceptable knowledge. A resume and the grade achieved shall be placed in the licensee's file maintained in Document Control.

7.6 Request for License Renewal:

As the date for license renewal approaches, the Training Supervisor shall ensure that copies are prepared of the documents required to substantiate the license renewal application and forward to the Plant Superintendent-Nuclear or his designee for processing.

8.0 Instructions:

8.1 Off Shift Training:

8.1.1. Lecture Sessions

1. Shall consist of topics which fall under general headings as listed.
 - a. Theory and principles of operation.
 - b. General and specific plant operating characteristics.
 - c. Plant instrumentation and control systems.
 - d. Plant protection systems.
 - e. Engineered safety systems.
 - f. Normal, off-normal, and emergency operating procedures.
 - g. Radiation control and safety.
 - h. Technical Specifications.
 - i. Applicable portions of Title 10, Chapter I, Code of Federal Regulations.
2. The results of annual examinations should be analyzed to determine subjects to be emphasized. Additionally, any reactor problems which develop should be discussed and the underlying theory, Nuclear, Mechanical, Thermodynamic should be taught to the depth required.
3. Subject matter will repeat on a yearly basis. A minimum of 75 hours of lecture shall be scheduled. Each licensee should attend at least 60 hours of lectures. Where a licensee has scored less than 80% on a specific category of the Annual Examination he shall be advised of lectures at which his attendance is required. The majority of lectures will be given by the Plant Training Department Staff. Where the specialized knowledge or intimate familiarity of a plant staff member or an individual outside the training organization is available or desirable, this individual should give the lecture.
4. A short written quiz should be given covering each lecture segment. A grade of less than 80% shall require further study and an additional quiz.

8.1.2. Discussion Sessions

1. Specified normal, off-normal, and emergency procedures shall be discussed at regularly scheduled off shift sessions. The Nuclear Plant Supervisor in charge of the shift may either lead the discussion or appoint a member of his shift to lead. The Control Room mock-up may be used to assist in the review. For certain procedures a walk-through may be specified.

2. Additional discussion sessions on equipment operation, changes or modifications and specified reportable occurrences may be held. Leaders for these sessions should be individuals well versed in the topic.
3. A minimum of 100 hours shall be scheduled for off shift discussion sessions. Each licensee should attend at least 60 hours of discussion sessions.

8.1.3. Final Examination

At the end of the lecture series or at yearly intervals a written examination shall be given to all licensees, except Training Department Instructors, who maintain their proficiency by preparing, conducting and evaluating training programs designed to maintain or increase licensed operators proficiencies during their requalification training.

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how many?

8.1.4. Additional Training

A grade of less than 70% on the annual written examination will require that the licensee be placed in an intensive program until the responsible supervisors are satisfied that the licensee is again proficient. He should be relieved of duties requiring a license until deemed proficient.

8.2 On-Shift Training

8.2.1. Reactivity Changes

All licensees, within their two year cycle shall perform or direct a minimum of 10 reactivity changes. Simulated reactivity changes at an approved simulator facility are acceptable. Refer to Figure 2 for detailed instructions.

8.2.2. Training Report

Training Report Cover Letters shall accompany documents distributed pursuant to Section 7.1 above. Each shift operator should review and initial the Cover Letter acknowledgement section within 14 days of the posting. See Figures 1A and 1B for details.

8.2.3. Performance Evaluations

To determine each licensee's understanding of plant equipment, procedures, and his competency, evaluations of his performance during simulated or actual off-normal/emergency situations will be made. A competent individual from the plant staff is to perform the evaluation. As off-normal/emergency situations occur the Nuclear Plant Supervisor in charge of the shift shall be requested to make evaluations for licensees on his shift. If an evaluation indicates unsatisfactory performance, immediate action shall be taken to upgrade performance by special training sessions followed by a re-evaluation. Refer to Figure 3.

8.2.4. Off-Site Licensees:

1. Each off-site licensee shall stand periodic control room watches, in order to maintain his proficiency as a watch stander. The minimum requirement is 8 hours within any 3 month period.
2. Periods exceeding 4 months without actively performing the functions of a licensed operator shall require a demonstration of competency prior to resuming license activities. To the extent practicable, the licensee is to stand the watch when major evolutions are taking place. Refer to Figure 4.

TURKEY POINT PLANT
ON-SHIFT
LICENSED OPERATORS

YEAR: 19__

PAGE ___ of ___

- QUARTER:
- 1st. (JAN-MAR)
 - 2nd. (APR-JUN)
 - 3rd. (JUL-SEP)
 - 4th. (OCT-DEC)

TRAINING REPORT COVER LETTER

WEEK: _____ (1-13)

- Item Identification Number:
- 1- Plant Change/Modification
 - 2- Reportable Occurrence
 - 3- FSAR Supplement
 - 4- Operating License Amendment
(Technical Specification Change)
 - 5- Operating Procedure Change
 - 6- OTHER

ITEMS: _____

I have reviewed and discussed the data furnished by this cover letter, and have so indicated by initialling below.

<u>NAME</u>	<u>INITIALS/DATE</u>	<u>NAME</u>	<u>INITIALS/DATE</u>
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NOTE TO LICENSEE:
 PLEASE REVIEW AND ACKNOWLEDGE THE CHANGES IDENTIFIED ON THIS COVER LETTER WITHIN 14 DAYS
 AFTER THIS TRAINING REPORT IS POSTED.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
LOG OF REACTIVITY CHANGES

Sheet ___ of ___

AP 0301 2/27/74
Figure 2

Name _____
Position _____

Your two year cycle begins _____
ends _____

INSTRUCTIONS

1. During your two year cycle perform (as OP), direct (as SOP) and record on this log a combination of at least ten reactivity changes, with no more than four of a specific type shown in 4. below.
2. Sixty days prior to the end of cycle present this log to the Training Supervisor for review.
3. Simulated reactivity changes at designated facilities are acceptable. Take a blank copy of this log with you when reporting to a simulator.
4. Examples of acceptable reactivity changes:
 - a. Startup to criticality, pull to Nuclear Heat.
 - b. Unit Shutdown, Normal or Trip, from power.
 - c. Manual Control of Steam Generator levels during unit Startup.
 - d. Boration or Dilution.
 - e. Manipulator crane operation during refueling.
 - f. Load change >10% rods on manual, during startup or shutdown.
 - g. Load change >10% following xenon with auto rod control and boration/dilution for a minimum of four hours.

DATE	Reactivity change performed - give sufficient detail to describe operation, draw line to separate each change.	Signed by PTP Supv. or simulator instructor.

