

**AEC CONTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 8986

FILE:

FROM: Duke Power Company Charlotte, N.C. 28201 A. C. Thies			DATE OF DOC 12-11-73	DATE REC'D 12-18-73	LTR X	MEMO	RPT	OTHER
TO: D. J. Skovholt			ORIG 1 signed	CC 32	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 33		DOCKET NO: 50-269/270/287		

**DESCRIPTION:**

Ltr trans the following:

PLANT NAME Oconee Units 1, 2, & 3

**ENCLOSURES:**

Duke Power Company Oconee Nuclear Station  
Requalification Program

**ACKNOWLEDGED**  
**DO NOT REMOVE**  
( 1 Orig & 32 cys rec'd )

FOR ACTION/INFORMATION

12-19-73 GC

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12-19-73 GOULBOURNE 1-GERALD ULRIKSON...ORNL		1-RD..MULLER..F-309 G

Regulatory Docket File

Regulatory Docket File

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

December 11, 1973

P. O. Box 2178

Mr. D. J. Skovholt  
Assistant Director for Operating Reactors,  
Directory of Licensing  
Office of Regulation  
U.S. Atomic Energy Commission  
Washington, D.C. 20545

Re: Oconee Nuclear Station  
Docket Numbers 50-269, -270, -287

Dear Mr. Skovholt:

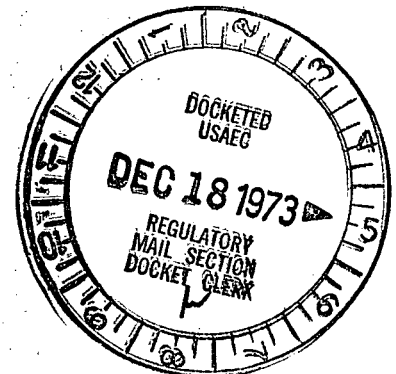
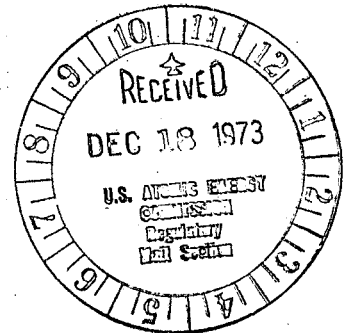
As requested in your letter of August 22, 1973, please find attached a description of the Oconee Nuclear Station requalification program for licensed personnel.

Very truly yours,

*A. C. Thies*

A. C. Thies

ACT:drp



8986

DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
REQUALIFICATION PROGRAM  
FOR  
AEC LICENSED PERSONNEL

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DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
REQUALIFICATION PROGRAM  
FOR AEC LICENSED PERSONNEL

1.0 Introduction

Recent changes to 10 CFR 55 requires all licensed operators to participate in an approved requalification program. The requalification program for the Oconee Nuclear Station is designed to maintain and demonstrate the continued competence of all licensed operators and senior operators. This program will be conducted on an annual basis and will include a comprehensive exam, formal requalification lectures, on-the-job training and simulator operation. The program will be implemented so as to minimize scheduling difficulties that will be incurred by site management.

2.0 Definitions

2.1 Reactivity Change

A licensed Reactor Operator that performs or a licensed Senior Reactor Operator that performs or directs any one of the manipulations listed below meets the requirements of 10 CFR 55, Appendix A, Section 3 (a):

- a) Critical approach from subcritical on source range instrumentation to critical on the intermediate range instrumentation.

- b) Any power level change (increased or decrease) of 10% of rated power or greater with control rods in manual.
- c) Reactor shutdown from critical at 15% of rated power to subcritical, shutdown on source range instrumentation.
- d) Boration or deboration during critical operation.
- e) Operation of refueling bridge to change core geometry during refueling.

## 2.2 Licensed Operator

Individuals who maintain Operator or Senior Operator licenses and who are actively and extensively engaged in the day-to-day operation of the plant.

## 2.3 Backup Licensee

Individuals who maintain Operator or Senior Operator licenses for the purpose of providing backup capability to the Operating Staff.

## 2.4 Training Supervisor

A supervisor normally assigned no other duties except instructing, coordinating, and record keeping for pre-license operator training programs and licensed operator requalification program.

## 3.0 Examinations/Lectures

Annually all SRO and RO licensed personnel will take a written examination which closely parallels the AEC written examination. On the basis of the examination results, any Operator failing to make a grade of 70% on any category will be required to participate in requalification lectures. Any Operator scoring less than 70% overall will be removed from licensed duties and placed in an accelerated requalification program and will subsequently

participate in all scheduled requalification lectures.

Certain licensed personnel, in the performance of their normal duties, may be very much involved with one or more of the areas covered in classroom lectures. These individuals would not be required to attend the applicable classroom lectures.

#### 4.0 On-The-Job Training

- 4.1 In order to insure the continued proficiency of licensed Operators in meeting all operating situations, on-the-job training will play a major role in the Oconee Requalification Program. Technical Specifications, Operating Procedures and Emergency Procedures will be reviewed on shift according to a formal schedule. Short oral and/or written quizzes will be used to demonstrate the effectiveness of this review. All changes to Operating Procedures, facility design changes and revisions to Technical Specifications will be reviewed on shift also.
- 4.2 All licensed Operators will participate, to the maximum extent possible, in plant evolutions involving reactivity changes. These will include those items defined as reactivity changes in Section 2.0, Definitions. During the two year license term, a minimum of ten such evolutions shall be conducted by each licensed Operator and either conducted or directed by each licensed Senior Operator with no more than three (3) such evolutions being any combination of items 2.1 (d) and 2.1 (e) of Section 2.0 Definitions, Subsection 2.1 Reactivity Change.

4.3 All licensed personnel will participate in a one week (40 hr.) simulator training course, consisting of 20 hrs. classroom and 20 hrs simulator, at an approved facility such as the B&W Simulator, Lynchburg, Virginia, during the two year license term. This training will include operation during emergency or abnormal conditions including the following:

- a) Reactor Startup
- b) 15-100% PWR Maneuver
- c) 100%-15% PWR Maneuver
- d) Power Operations (Manual and Auto)
- e) Plant Shutdown/Cooldown
- f) Reactor Trip
- g) Turbine Trip
- h) Steam Line Rupture
- i) RC System Leaks

4.4 Control manipulations at the simulator will be credited the same as manipulations on the Oconee units.

4.5 Backup licensees will acquire 4 hrs./month on shift assigned the duties of Assistant Shift Supervisor or Assistant Control Operator, which are positions requiring a Senior Operator's and Operator's License respectively, at this facility. The assignment to Assistant Supervisor or Assistant Control Operator will be consistent with the license held by the backup licensee.



## 5.0 Evaluations

- 5.1 The performance and competency of Operators and Senior Operators will be evaluated by the annual written exam as well as with personal evaluations from supervisors and training staff personnel.
- 5.2 At the end of each quarter each Shift Supervisor will submit a report to the Operating Engineer, evaluating the performance of each man under his supervision during normal and abnormal operating conditions.
- 5.3 The performance of Operators and Senior Operators will be evaluated by the simulator training staff following simulator training.
- 5.4 The Operating Engineer will review these reports quarterly. On the basis of the evaluations, the Operating Engineer can recommend special training classes and removal from shift duties if necessary. Prior to the license renewal date, the Operating Engineer will review each Operator's training record. Based on this evaluation he will make recommendations for license renewal or specialized training prior to license renewal.

## 6.0 Records

- 6.1 Training records for each Operator and Senior Operator will be maintained and shall contain the following:
  - a. Copies of the graded annual exam.
  - b. Re-examinations given after requalification lectures.
  - c. Evaluations made by Supervisors.
  - d. Evaluations made by simulator personnel.
  - e. Documentation of all training participation.
  - f. Any miscellaneous quizzes given by the training staff.
  - g. Records of the number and type of reactivity changes.

6.1 Training records will be retained for a minimum of six (6) years.

/db