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FROM: Duke Power Company Charlotte, N.C. 28201 A. C. Thies			DATE OF DOC 7-3-74	DATE REC'D 7-8-74	LTR X	TWX	RPT	OTHER
TO: P. F. Collins			ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <del>50-269</del> 270/287			

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Revised Requalification Program

**ACKNOWLEDGED**

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PLANT NAME:

FOR ACTION/INFORMATION

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EXTERNAL DISTRIBUTION

1 - LOCAL PDR <u>Walhalla, S.C.</u>	(1)(2X10)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-LIBRARIAN
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1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
16 - CYS ACRS <del>WORKING</del> SENT TO LIC. ASST.	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
7-10-74 SHEPPARD	1-B & M SWINEBROAD, Rm E-201 GT	

# 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

P. O. Box 2178

July 3, 1974

Mr. Paul F. Collins, Chief  
Operator Licensing Branch  
Directorate of Licensing  
Office of Regulation  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

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

Dear Mr. Collins:

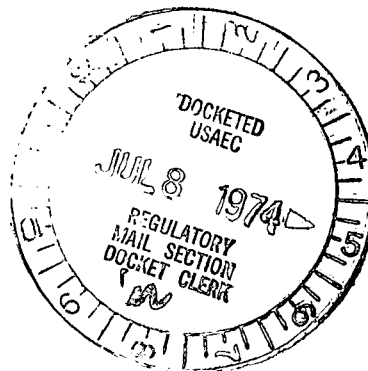
Please find attached a copy of the revised Requalification Program for AEC Licensed Personnel. The program was revised to incorporate our responses to your request for additional information of April 5, 1974.

Very truly yours,



A. C. Thies

ACT:vr  
Attachment



6174

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

DECEMBER 11, 1973

Revised  
July 3, 1974

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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, ten (10) reactivity changes from those listed below, in accordance with Section 4.0, On-The-Job Training, Subsection 4.2, meets the requirements of 10 CFR 55, Appendix A, Section 3(a).

- a) Critical approach from subcritical on source range instrumentation to critical at the point of adding heat on the intermediate range instrumentation.
- b) Any power level change (increase 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.

Any licensed operator who has not been actively performing the functions of an operator or senior operator for a period of four months or longer, shall, prior to resuming licensed activities, participate in an appropriate requalification program pursuant to 10CFR 55.31(e).

## 2.3 Backup Licenses

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.

Any operator who scores less than 70% overall on the Annual Requalification exam shall be removed from licensed duties and placed in an accelerated requalification program. The individual will be reevaluated by a comprehensive written exam paralleling the annual exam in format and by an oral interview with the Training Supervisor to determine his knowledge level. The results of the oral and written exam will be forwarded to the Operating Engineer for determination of return to licensed duties.

Requalification lectures are intended to be given on an annual basis for all licensed operators during the three month period preceding the annual exam. This period will consist of approximately three weeks of lectures per man. The lecture schedule prior to each annual requalification examination will be determined based on weak areas shown from the preceding annual exam.

Requalification lectures following the annual exam will be determined by the results of the annual exam (i.e. categories in which individuals received less than 80%). Attendance for all SRO and RO licensed personnel at these lectures will be based on the results of the annual requalification exam. (i.e. less than 80% on a category requires mandatory attendance at lectures on topics of that category).

Periodic written or oral quizzes will be administered throughout the lecture program with a required passing grade of 80%. Lecture attendance will be based on 80% categorical grades from the annual requalification exam.

"Quality Assurance for Operation" is now a topic covered as part of the pre-license training and as such would be considered as a topic for requalification lectures.

Contingency meetings are an integral part of nuclear plant operation and are normally scheduled as the need arises by plant management.

#### 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 with a passing grade of 80% required. All changes to Operating Procedures, facility design changes and revisions to Technical Specifications will be reviewed on shift also. Documentation of the specified reviews is filed in the individuals training records as per Section 6.0 Records.



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.

The B&W simulator is considered the only existing simulator appropriate for use by Oconee personnel in meeting the requirements of Appendix A to 10 CFR Part 55. However, we retain the option to use other simulators that become available in the future and are approved by the AEC for use by Oconee personnel.

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 Shift 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 Semi-annually 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. Evaluations of personnel will be made by several sources as noted above. The ultimate evaluation will be based on operators performance of his licensed duties at the Oconee Nuclear Station.

5.4 The Operating Engineer will review these reports semi-annually. 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.

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