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Georgia Power
the southern electric system

March 9, 1982

J. T. Beckham, Jr.
Vice President and General Manager
Nuclear Generation

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
QUALIFICATION PROGRAM FOR SHIFT TECHNICAL ADVISORS

Gentlemen:

Your letter of February 3, 1982, requested information regarding how Georgia Power Company ensures that applicable guidance concerning the educational backgrounds of its Shift Technical Advisors (STAs) is met. The selection and training program for Plant Hatch STAs uses a requirement for a bachelor's degree in a scientific or engineering discipline as a high priority criterion for entrance into the program. Virtually all STAs will, therefore, have such a degree. This degree requirement is verified at the time an individual is employed or assigned to the STA position. The occasional non-degreed candidate, who may be considered for the program, will be required to have completed sixty semester hours of college level education from areas such as mathematics, reactor physics, chemistry, materials, thermodynamics, heat transfer, fluid mechanics, electrical theory, and reactor control theory. The acceptability of a candidate's background will be evaluated by the Manager of Nuclear Training or the Plant Manager on a case-by-case basis.

Georgia Power Company described to you its long-term STA program in Enclosure 1 to a December 31, 1980, letter. We have since revised that program to improve its quality. Therefore, we herein submit as Enclosure 1 to this letter a revision of that earlier program description. The revised program has been examined by representatives of the Institute of Nuclear Power Operations and found to be satisfactory.

If you have any questions concerning these matters, please contact this office.

Very truly yours,

J. T. Beckham, Jr.

WEB/mb
Enclosure

xc: M. Manry
R. F. Rogers, III
J. P. O'Reilly (NRC-Region II)

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ENCLOSURE 1

Georgia Power Company
Plant Hatch
Shift Technical Advisor (STA) Program

I. Effective Date: September 21, 1981

II. Education Requirements:

Virtually all STA's will have a bachelor's degree in a scientific or engineering discipline. This degree requirement is verified at the time that the individual is employed or assigned to the STA position. Candidates who have the equivalent of a bachelor's degree by completing the equivalent of 60 semester hours of college level education and are considered for the program will be evaluated by the Manager Nuclear Training or the Plant Manager on a case-by-case basis. For degreed trainees who pass the Georgia Power STA Training Program, additional education is not required.

III Training Program

A) The candidate holds or has held a NRC SRO license for that type of reactor, or

B) The candidate completes a Georgia Power STA Training Program consisting of:

1) A sixteen (16) week classroom and plant formal training program covering reactor theory, design characteristics, transient analysis, administrative controls and leadership;

2) A four (4) week transient operations program covering normal, transient and accident plant conditions, with a minimum of 80 hours of simulator manipulations; and

3) A comprehensive examination process including written, oral and manipulation examinations.

IV. Experience Requirements

A) The candidate will have one year of power plant experience, and

B) The candidate has performed SRO or RO duties for that type of reactor, or

C) The candidate will receive one month of one-the-job training as an extra STA.

V. Curriculum for Initial Training

The attached are typical outlines for the training programs. Georgia Power reserves the right to modify these outlines to respond to training feedback and to improve course content and delivery.

VI. Requalification Training

STA's will attend the same requalification program as NRC licensed operators. Persons not performing the STA function or related work which keeps them abreast of plant conditions for a period of 4 months or longer will attend a special training program prior to assuming STA responsibilities.

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Georgia Power Company
Plant Hatch
Shift Technical Advisor Training Program

General Outline

I. Classroom Training

WEEK	SUBJECT
1	Introduction to Nuclear Power Plant Systems Classical Physics Electricity and Electronics
2	Atomic Physics Nuclear Physics
3	Reactor Core Physics
4	Reactor Operations
5	Heat Transfer and Fluid Flow
6	Chemistry Health Physics Radiation Shielding Nuclear Power Plant Materials
7	BWR Technology and System Design
8	BWR Technology and System Design
9	BWR Technology and System Design
10	BWR Technology and System Design
11	BWR Technology and System Design
12	BWR Technology and System Design
13	Applied Theory and Thermodynamics Technical Specifications
14	Transient/Accident Analysis Mitigating Core Damage Emergency Procedures
15	Administrative Controls Management Training
16	Preparation for Final Exam Final Exam

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Plant Hatch
Shift Technical Advisor Training Program

General Outline

II. Transient & Operations Training

WEEK	SUBJECT
1	Normal Systems Operation Plant Startup Power Control Plant Shutdown
2	Emergency Systems Operation Minor Malfunctions Scram Transients Core Physics and PCIOMR
3	Scram with MSIV Isolation FSAR Accidents
4	Major FSAR Accidents Accidents Beyond the Design Analysis