

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

March 26, 1980

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. O. D. Parr, Chief  
Light Water Reactors Branch 3  
Division of Project Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 268  
PO/DLB:baw  
Docket No. 50-339

Dear Mr. Denton:

Subject: Shift Technical Advisor Training

In our letter of October 25, 1979 we stated that the Shift Technical Advisor function would be provided by an additional Senior Reactor Operator on each shift. As explained in recent conversations with members of your staff, we now intend to utilize degreed engineers to provide the STA function. Due to personnel constraints, including the time required for training, it will be necessary, during 1980, to utilize a combination of both engineers and SRO's to provide the STA function. By 1981, the STA functions will be provided entirely by degreed engineers. The purpose of this letter is to describe the training requirements which we have established for qualification of engineers as Shift Technical Advisors.

The training program for Shift Technical Advisors will include the following four subject areas:

Academic Training	- 310 lecture hours (approx.)
Systems Training	- 150 lecture hours (approx.)
Transient/Accident Analysis	- 20 lecture hours (approx.)
Simulator Training	- 40 classroom hours (approx.)
	- 40 simulator hours (approx.)

Academic Training

The academic training portion of the program will be provided by the facility of the Virginia Polytechnic Institute. Specific topics to be covered include:

8003310388

Atomic and Nuclear Physics	40 hours
Chemistry, Corrosion and Materials	70 hours
Reactor Physics	60 hours
Thermodynamics	50 hours
Heat Treansfer and Fluid Flow	50 hours
Nuclear Engineering	<u>40 hours</u>
	310 hours

Portions of the academic training can be waived where competence based on prior training can be demonstrated.

#### Systems Training

The systems training portion of the program will be conducted by the North Anna training staff. Training will be conducted by SRO's licensed on North Anna.

#### Transient/Accident Analysis

The transient and accident training will be conducted by personnel from our Fuel Resources Department. The transients and accidents studied will be specific to North Anna.

#### Simulator Training

The simulator training will be conducted by the Surry Power Station training staff and will utilize the Surry Simulator. This will include both classroom training and exposure to a variety of simulated accident and transient conditions.

#### Retraining of STA's

An annual requalification program will be developed and implemented by January 1, 1981.

Very truly yours,

*C. M. Stallings*

C. M. Stallings  
Vice President-Power Supply  
and Production Operations

cc: Mr. James P. O'Reilly