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MIDDLE SOUTH UTILITIES SYSTEM

L.V. MAURIN
Vice President Nuclear Operations

December 7, 1982

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3-A1.01.04
3-A41

Mr. T. M. Novak
Assistant Director for Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Waterford SES 3
Docket No. 50-382
Training Quaiifications

Dear Sir:

Certain revisions were inadvertantly excluded from our FSAR Amendment 29, docketed on October 26, 1982. These revisions are as follows:

1) Table 13.2-1 should be deleted.

2) Table 13.1-1 should be supplemented to include Nuclear Training personnel qualifications as attached.

3) Page 13.2-3 should indicat chat Plant System Training is 12 weeks, not 2, as attached.

4) Figure 13.2-1 should be revised as attached.

This information will be incorporated in FSAR Amendment 30, currently scheduled for early December, 1982.

W. V. Maurin

L. V. Maurin

LVM/RMF/pco

Attachment

cc: W. M. Stevenson, E. L. Blake, S. Blake, B. Benedict

B001

NUCLEAR TRAINING

Training Director - Nuclear	Bachelor's degree in engineering or the physical sciences and three years experience. Licensed Senior Reactor Operator qualification is desired.

TRAINING IMPLEMENTATION

Training Manager - Nuclear	Bachelor's degree or nuclear experience and training considered to be equivalent. SRO license is desirable.
Training Supervisor II/I	Bachelor's degree or nuclear experience and training considered to be equivalent. SRO license desirable.
Utility Engineer II/I - Nuclear	Bachelor's degree in engineering or the physical sciences, or nuclear experience and training considered to be equivalent. SRO license is desirable.
Nuclear Instructor II/I	Bachelor's degree or nuclear experience and training considered to be equivalent, and NRC operator's license.
Instructor II/I	Bachelor's degree, or nuclear training and experience considered to be equivalent.

TRAINING CENTER

Training Manager - Nuclear	Bachelor's degree or nuclear experience and training considered to be equivalent. SRO license is desirable.
Training Supervisor II/I	Bachelor's degree or nuclear experience and training considered to be equivalent. SRO license desirable.
Utility Engineer II/I - Nuclear	Bachelor's degree in engineering or the physical sciences, or nuclear experience and training considered to be equivalent. SRO license is desirable.
Nuclear Instructor II/I	Bachelor's degree or nuclear experience and training considered to be equivalent, and NRC operator's license.

Instructor II/I	Bachelor's degree, or nuclear training and experience considered to be equivalent.
Technician - Nuclear	High school diploma or equivalent, with some college preferred.
Technician	High school diploma or equivalent, with some college preferred.
TRAINING DEVELOPMENT	
Training Manager - Nuclear	Bachelor's degree or nuclear experience and training considered to be equivalent. SRO license is desirable.
Training Supervisor II/I	Bachelor's degree or nuclear experience and training considered to be equivalent. SRO license desirable.
Engineer - Nuclear	Bachelor's degree in engineering or the physical sciences, or nuclear experience and training considered to be equivalent. SRO license is desirable.
Utility Engineer II/I - Nuclear	Bachelor's degree in engineering or the physical sciences, or nuclear experience and training considered to be equivalent. SRO license is desirable.
Associate Engineer II/I - Nuclear	Bachelor's degree in engineering or the physical sciences, or nuclear experience and training considered to be equivalent.
Instructor II/I	Bachelor's degree, or nuclear training and experience considered to be equivalent.

13.2.1.1.1 Revised Cold License Training Program

The curriculum for the revised cold license operator training program was selected based upon current needs and the necessity to provide safe and efficient licensed operators for the Waterford 3 SES. All courses are intended to be instructed at the senior reactor operator level. Figure 13.2-1 shows the revised cold license training schedule.

The cold license operator training program comprises the following elements. Approximate number of weeks for each segment is given.

(a) Nuclear Power Plant Principles (5 weeks). This phase of training deals with the theory of nuclear power plant operation. Training is provided in reactor theory, thermodynamics, heat transfer and fluid flow.

(b) Plant System Training (12 weeks). Training is provided on nuclear steam supply systems, balance of plant systems, Westinghouse-provided turbine generator complex, and refueling equipment. This training is directed toward system response and interface during normal, off-normal, and emergency conditions. Related operating procedures and Technical Specifications are covered during this training. The normal classroom contact time during the plant systems training is four to six hours. The remainder of time is available for walkdown of the systems covered. Study of related Technical Specifications and their bases is included in this walkdown. 29

(c) Nuclear Power Plant Operating Characteristics (2 weeks). This training is composed primarily of the Transient and Accident Analysis course. The training received during the plant systems training course provides the overall knowledge of system response. The reactor theory training is scheduled before the Transient and Accident Analysis course. This is designed to build the foundation necessary for complete understanding of the material presented in this course. Transient prevention, mitigation, and response concepts are covered during the training.

(d) Procedures and Technical Specifications (including bases) (1 week). Training in approved plant integrated, off-normal, and emergency procedures will be conducted. During this training, Technical Specificatios and their bases will be reviewed.

LOUISIANA POWER & LIGHT CO.
Waterford Steam Electric Station

REVISED COLD LICENSE TRAINING PROGRAM SCHEDULE

AMENDMENT

Figure 13.2-1

MAY -1982	JUNE	JULY
NUCLEAR POWER PLANT PRINCIPLES (3 of 5 weeks)	PLANT SYSTEMS TRAINING →	
AUGUST	**SEPTEMBER**	**OCTOBER**
PLANT SYSTEMS TRAINING (Cont'd)	ON-THE-JOB TRAINING	NUCLEAR POWER
NOVEMBER	**DECEMBER**	**JANUARY -1983**
PLANT OPERATING CHARACTERISTICS & NUCLEAR POWER PLANT PRINCIPLES (2 of 5 weeks)	ON-THE-JOB TRAINING	PROCEDURES TECH. SPECS. ON-THE-JOB
FEBRUARY	**MARCH**	**APRIL**
TRAINING	INTENSIVE REVIEW	