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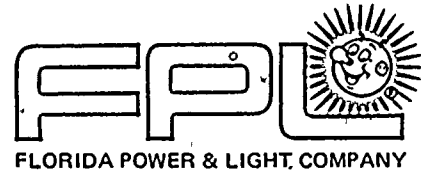
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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.
 AUTH. NAME: UHRIG, R. E. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIP. NAME: EISENHUT, D. G. RECIPIENT AFFILIATION: Division of Licensing

SUBJECT: Forwards revision to loose parts monitoring sys training program previously submitted in 820930 ltr.

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	DMB/DSS (AMDTS)	1 1	FEMA-REP DIV 39	1 1
	LPDR 03	1 1	NRC PDR 02	1 1
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October 27, 1982
L-82-465

Office of Nuclear Reactor Regulations
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit No. 2
Docket No. 50-389
Loose Parts Monitoring System Training Program

Attached please find a revision to the loose parts monitoring system training program previously submitted in our letter L-82-418 dated September 30, 1982.

If you have any questions regarding this submittal, please contact us accordingly.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/RJS/JES/jea

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire

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ATTACHMENT

Loose Parts Monitoring System Training Program

As a means to insure the proper startup, operation and maintenance of the loose parts monitoring system at St. Lucie 2, Florida Power and Light provides a broad training to our startup personnel, plant operators and I & C maintenance crews. Each group is trained in the specific operation of the system with emphasis on the aspects that they come in contact with routinely.

This loose parts monitoring system is functionally identical to the system that is installed in St. Lucie Unit 1. This system has been in operation since 1975 and has been utilized to monitor the indications of several potential loose parts in the St. Lucie Unit 1 reactor coolant system. Since operating and maintenance personnel on St. Lucie Unit 1 are the same people who will be responsible for St. Lucie Unit 2, the operation of the St. Lucie Unit 2 loose parts monitor will be handled by people who have had extensive experience with this equipment.

Plant startup personnel perform the system installation checks and initial alignment. FPL startup department assigns the responsibility for loose parts monitoring system startup to a single individual who is very experienced in the alignment and operation of electronic systems similar to the loose parts monitor. This assures that a knowledgeable and competent individual will supervise the initial startup phase of the system. In addition to an indepth knowledge of the type of equipment, the vendor's technical manual is closely reviewed to assure proper initial alignment.

Plant I & C maintenance personnel who periodically check the equipment do so under the direction of a single highly qualified field supervisor who has overall responsibility for the operation of this equipment.

The field supervisor that has been responsible for the loose parts monitoring system on St. Lucie Unit 1 is the same individual who will be in charge on St. Lucie Unit 2. This provides for a smooth transfer of knowledge of the design, operation and maintenance of the St. Lucie Unit 2 loose parts monitoring system and insures that St. Lucie Unit 2 system will be maintained at the same level of proficiency as the existing system at Unit 1. This individual is knowledgeable and very familiar with RG 1.133 and its recommendations.

Under this program, this one individual will be cognizant of what work is being performed and the overall status of this equipment. The responsible field supervisor is required to study the vendor manuals to thoroughly familiarize himself with the performance and operation of the equipment. This review is supplemented with an overview by the I & C department head to complete the on-the-job training. The I & C department retains the services of the NSSS vendor (Combustion Engineering) to assist in troubleshooting when the loose parts monitoring system indicates the possible presence of a loose part. The onsite personnel request assistance from CE when the loose parts monitoring system exhibits a variation in detector

output that may be indicative of a loose item moving about within the reactor coolant system. The offsite personnel are equipped with the necessary sound monitoring instrumentation to pinpoint and identify the potential loose part and thereby provide the additional expertise necessary to effectively operate the system.

Finally the plant operations personnel are provided with instruction in the operation of the loose parts monitoring system during their formal on-shift training watches. This instruction familiarizes the control room licensed operators with the fundamentals of operation of the equipment. With this instruction, the operators are prepared to respond to system alarms in a manner consistent with safe operation.

Plant operating procedures govern the actions of the controlroom operators when an alarm occurs on the loose parts monitor. Plant off-normal procedure #0030131 requires the controlroom operator to acknowledge any alarm on the loose parts monitor and then notify the Instrumentation and Control department of the alarm. The I & C department, when notified by operations of a loose parts monitor alarm, investigates whether the alarm is spurious or valid. If the alarm is valid, as certified by vendor manual instructions, the I & C department will notify the NSSS vendor and request assistance to diagnose the problem. The I & C department action to resolve identified problems with the loose parts monitor is governed by site procedure #0010432 which requires that the I & C department correct the identified discrepancy including use of outside assistance when necessary.

This comprehensive program of supervised on-the-job training and vendor manual instruction provides assurance that the loose parts monitoring system will be tested, aligned and operated properly. The assistance of specialized offsite personnel will provide St. Lucie Unit 2 with the technical capability to identify and locate potential problems involving loose parts in the reactor coolant system.

