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FACIL:50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. Division of Licensing

SUBJECT: Forwards training program on loose parts monitoring sys, which properly qualifies plant personnel to operate sys. Submittal completes action to satisfy NRC request.

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BOX 14000, JUNO BEACH, FL 33408

FPL

FLORIDA POWER & LIGHT COMPANY

September 30, 1982
L-82-418

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 is our response to a request your staff made concerning the training we give our personnel for the loose parts monitoring system. This request is identified in the Safety Evaluation Report (Nureg-0843) section 4.4.4. We feel that this training program properly qualifies our plant personnel to operate the loose parts monitoring system. This completes our action to satisfy this staff request. If you have any further questions please feel free to contact us.

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

B001

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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.

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 competant 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. 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.

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.