

## ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9102120305 DOC. DATE: 91/02/05 NOTARIZED: NO DOCKET #  
 FACIL: 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME: GOLDBER, J.H. AUTHOR AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: Advises that util will change cycling frequency for  
 pressurizer spray valves from daily to weekly in response to  
 Inspector Followup Item 84-21-03 in Insp Rept (50-251/84-21.)

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**FPL**

P.O. Box 14000, Juno Beach, FL 33408-0420

FEBRUARY - 5 1991

L-91-11

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Update on NRC Inspection Report 50-251/84-21, Inspector Follow-up  
Item 84-21-03 (Automatic cycling of pressurizer spray valves)

Florida Power & Light Company (FPL) will change its cycling frequency for the pressurizer spray valves from daily to weekly beginning March 1, 1991. The daily cycling was started in 1984 as a result of a verbal commitment made during NRC Inspection 50-251/84-21. A description of circumstances that contributed to the initiation of this daily test and justification for changing the test periodicity from daily to weekly are described below.

In NRC Inspection Report No. 50-251/84-21, the NRC stated that FPL committed to "procedurally require automatic cycling of the spray valves once a day by turning on the pressurizer heaters and allowing the valves to cycle." This was due to a failure of the valves to automatically open (although they were manually opened). The cause was determined to be valve sticking due to infrequent use. The pressurizer spray valves PCV-455 A & B are now being tested daily in accordance with Operating Procedure OP 0204.2, "Periodic Tests, Checks, And Operating Evolutions."

Since initiating this test in 1984, Turkey Point has experienced several failures of the valve bellows. To reduce the probability of failure during power operation, the bellows have been routinely replaced during refueling outages.

Recent analysis of the spray valve failure history concluded that the bellows failures are exacerbated by daily cycling of the valves. The valve/bellows replacements, and additional personnel radiation exposure that occurs because of this activity, could be reduced by extending the cycling frequency. Based on this, FPL believes it is appropriate to change the cycling frequency of the pressurizer spray valves to weekly beginning March 1, 1991. After six months of weekly testing, another review will be performed to determine if the weekly testing program requires any further modification.

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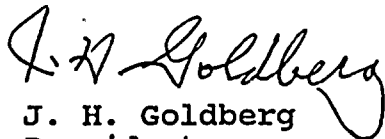
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A survey was performed of four other plants (of similar vintage and with similar valve design) which revealed that none of them have regularly scheduled surveillance requirements to automatically cycle pressurizer spray valves.

Very truly yours,



J. H. Goldberg  
President  
Nuclear Division

JHG/DRP/ds

Enclosures

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant