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SUBJECT: Provides 10CFR50.62 implementation status as of 900515.

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FPL

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

MAY 22 1990

L-90-190
10 CFR 50.62

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

Gentlemen:

Re: St. Lucie Unit Nos. 1 and 2
Docket Nos. 50-335 and 50-389
Anticipated Transients Without Scram

On March 1, 1989, Florida Power & Light Company (FPL) met with the NRC to discuss the conceptual design of the St. Lucie Units 1 and 2 plant modifications to meet 10 CFR 50.62, "Requirements for reduction of risk from anticipated transients without scram (ATWS) events for light-water-cooled nuclear power plants." In that meeting, the Staff requested bi-monthly updates on the modifications implementation status. Attached is the status of the 10 CFR 50.62 modifications at St. Lucie Units 1 and 2 as of May 15, 1990.

Should there be any questions, please contact us.

Very truly yours,

D. A. Sager
Vice President
St. Lucie Plant

DAS/EJW/gp

Attachment

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

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ATTACHMENT

10 CFR 50.62
IMPLEMENTATION STATUS
AS OF MAY 15, 1990
ST. LUCIE UNITS 1 AND 2

1. The status of engineering activities for implementation of 10 CFR 50.62 is:

Unit 2

- The engineering design of the modules and modifications necessary for the Engineered Safety Features Actuation System (ESFAS) and Auxiliary Feedwater Actuation System (AFAS) portion of the ATWS system is complete. The Plant Change/Modification package necessary for installing the ATWS system is on schedule for issuance by June 30, 1990.

2. The status of procurement activities for implementation of 10 CFR 50.62 is:

Eaton-Consolidated Controls (ECC):

Unit 2

- The Diverse Scram System (DSS) module prototype fabrication is completed. On-site prototype testing is scheduled for late May 1990.
- Hardware procurement is approximately 90% complete with module fabrication scheduled to begin June 1, 1990.

Combustion Engineering (CE):

Unit 2

- Fabrication has begun on the AFAS Matrix Relay printed circuit boards.

3. Installation and final system testing of ATWS modifications at St. Lucie Unit 1 have been successfully completed. FPL considers the St. Lucie Unit 1 ATWS system to be operational. Modifications are on schedule for ATWS implementation at St. Lucie Unit 2 during the upcoming calendar year 1990 refueling outage.