

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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ACCESSION NBR: 9004100197      DOC. DATE: 90/03/30      NOTARIZED: NO      DOCKET #  
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
       50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
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 SAGER, D.A.      Florida Power & Light Co.  
 RECIPIENT NAME      RECIPIENT AFFILIATION  
                          Document Control Branch (Document Control Desk)

SUBJECT: Forwards status of 10CFR50.62, "Requirements for Reduction of Risk From ATWS" mods at plant as of 900315.

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U.S. DEPARTMENT OF COMMERCE  
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MARCH 30 1990

L-90-120  
10 CFR 50.62

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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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 March 15, 1990.

Should there be any questions, please contact us.

Very truly yours,

*DA Sager*  
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 MARCH 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 Engineered Safety Features Actuation System (ESFAS) and Auxiliary Feedwater Actuation System (AFAS) portion of the ATWS modification is continuing and is approximately 50% complete.

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

Consolidated Controls Corporation (CCC):

Unit 2

- Module engineering for the ESFAS cabinet portion of the Diverse Scram System (DSS) is complete.
- The DSS module prototype fabrication is in progress and prototype testing is scheduled for mid-April.

Combustion Engineering (CE):

Unit 2

- The AFAS Matrix Relay printed circuit boards for the AFAS are in the engineering phase.
- The Qualification Analysis, drawing and technical manual revisions are due in mid-May.

Other Procurement:

Unit 2

- The load contactors have been received onsite.

3. Installation of ATWS modifications at St. Lucie Unit 1 is completed. Final system test will be conducted prior to the completion of the current refueling outage. Modifications are on schedule for ATWS modifications implementation at St. Lucie Unit 2 during the upcoming calendar year 1990 refueling outage.



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