



JULY 27 1989

L-89-273  
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  
(TAC Nos. 59144 and 59145)

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 mid-July 1989.

Should there be further questions, please contact us.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'C. O. Woody', is written over the typed name.

C. O. Woody  
Acting Senior Vice President - Nuclear

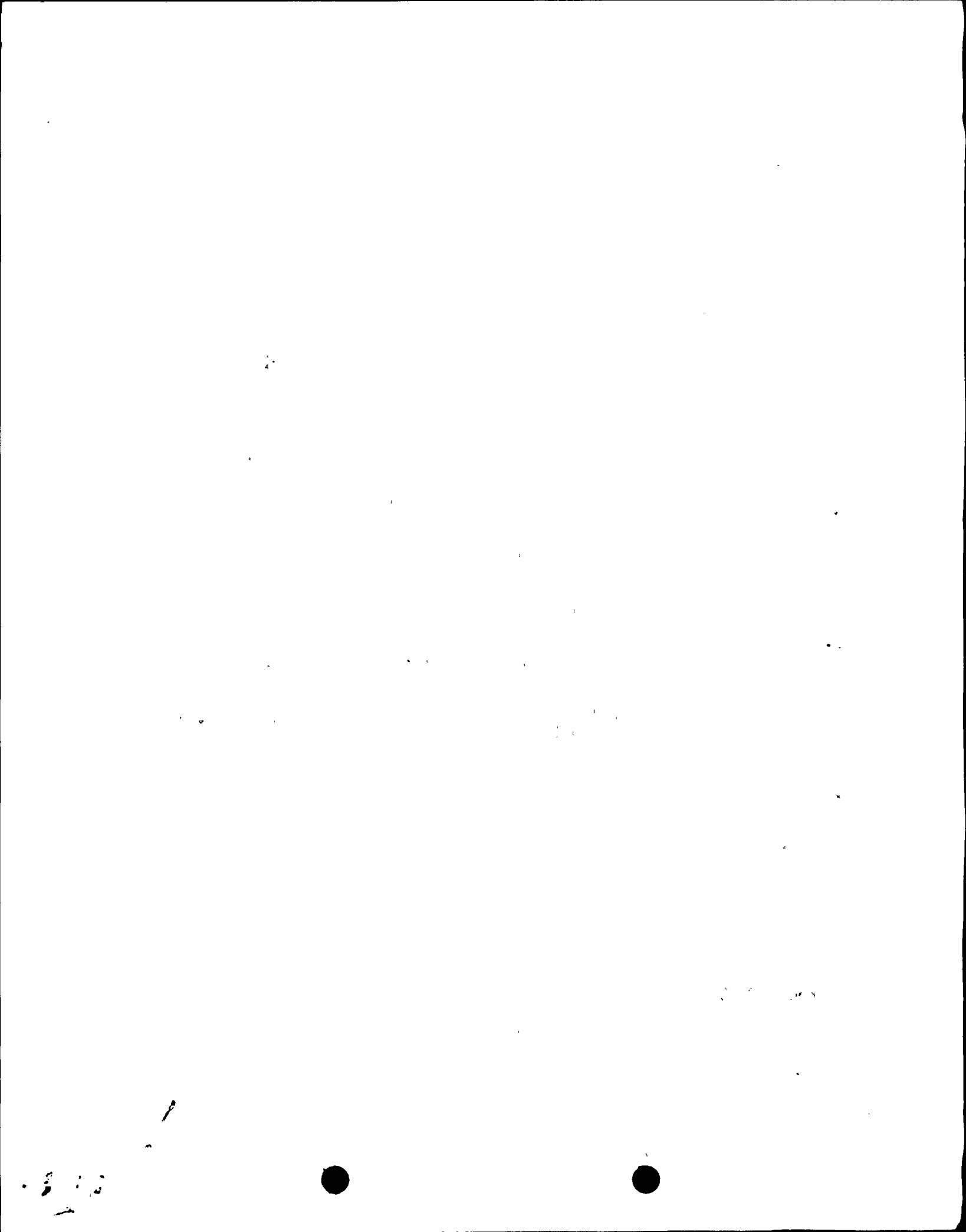
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Attachment

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

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 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
 AUTH. NAME      AUTHOR AFFILIATION  
 WOODY, C.O.      Florida Power & Light Co.  
 RECIPIENT NAME      RECIPIENT AFFILIATION  
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SUBJECT: Forwards status of 10CFR50.62 mods as of mid-Jul 1989.

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10 CFR 50.62  
IMPLEMENTATION STATUS  
ST. LUCIE UNITS 1 AND 2

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

- Design Basis for Diverse Scram System (DDS) completed.
- Failure Modes and Effects Analysis (FMEA) for DSS contactor arrangement completed.
- Consolidated Controls Corporation's (the DSS module supplier) design has been approved by FPL.
- Initial design of the Engineered Safety Features Actuation System (ESFAS) modifications required by the DSS addition has been completed.
- Detailed design of the ESFAS modifications has begun and is scheduled to be completed December 11, 1989.
- Engineering design of the Auxiliary Feedwater Actuation System (AFAS) matrix relay card replacement is scheduled to be completed by October 27, 1989.

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

Consolidated Controls Corporation:

- Module Engineering is complete.
- Prototypes and drawings for the modules are in progress and are scheduled to be completed by August 31, 1989.
- ESFAS panel modifications are in progress and are scheduled to be completed by October 31, 1989.
- Module hardware is to be delivered by January 15, 1990.

Other Procurement:

- Purchase order has been placed with Combustion Engineering for procurement of AFAS matrix relay cards. Hardware is to be delivered by January 15, 1990.
- Procurement activity has begun for the load contactors and will be delivered by December 15, 1989.
- Procurement activity for the hardware modifications required for the pressurizer pressure instrument loops are in progress and hardware is to be delivered by December 15, 1989.

3. Modifications are on schedule for implementation at both St. Lucie Units 1 and 2 during the currently scheduled 1990 outages.

