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 AUTH. NAME AUTHOR AFFILIATION
 SAGER, D.A. Florida Power & Light Co.
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SUBJECT: Forwards updates re plant mod implementation status for N891117.

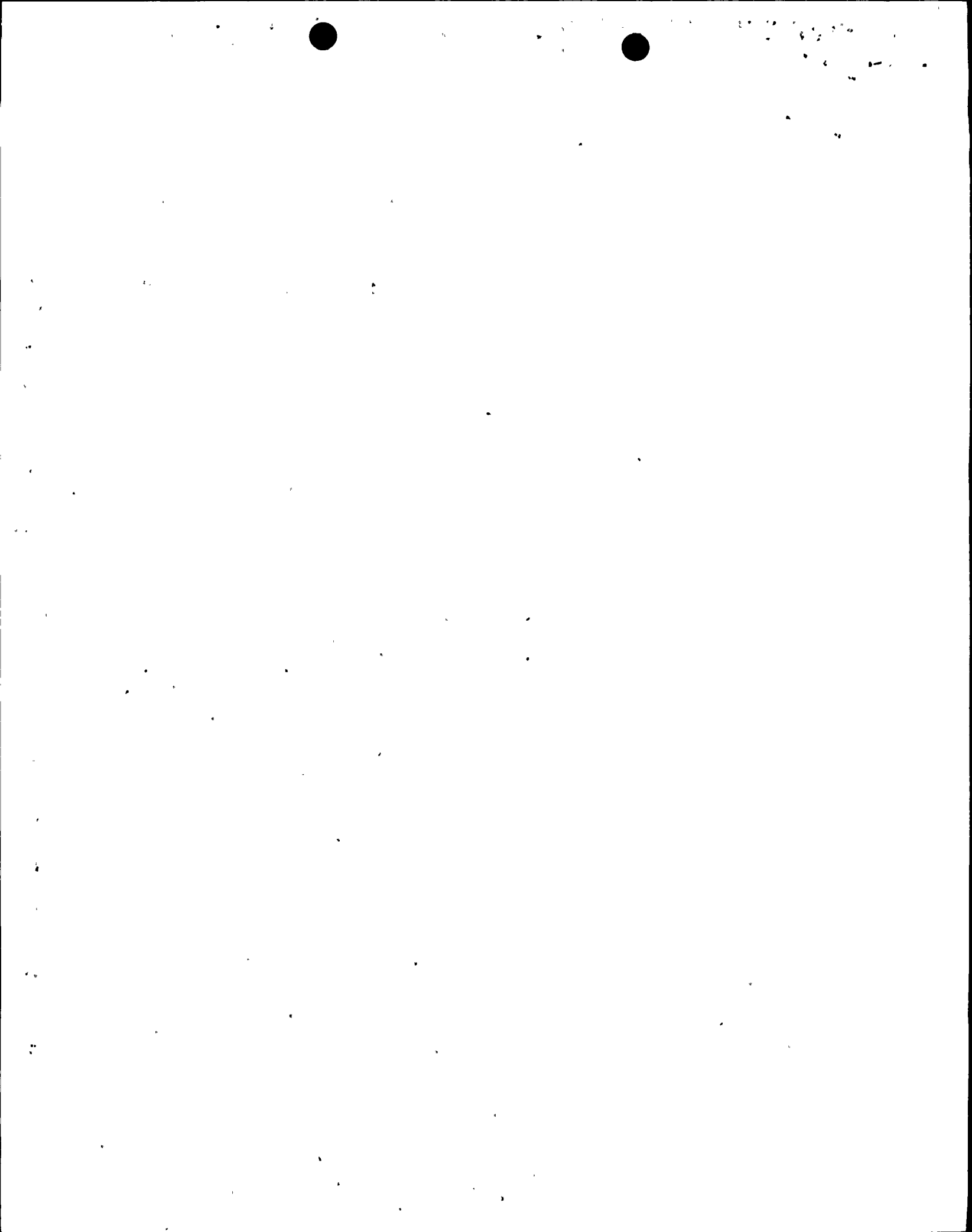
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L-89-429
10 CFR 50.62

NOVEMBER 30 1989

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 November 17, 1989.

Should there be any questions, please contact us.

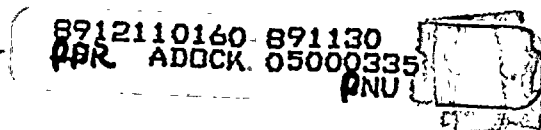
Very truly yours,

DASager
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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10 CFR 50.62
IMPLEMENTATION STATUS
AS OF NOVEMBER 17, 1989
ST. LUCIE UNITS 1 AND 2

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

Unit 1

- The final finite element analysis report for the modified Engineered Safety Feature Actuation System (ESFAS) cabinets continues in preparation. Draft engineering package for Diverse Scram System complete. A meeting to review the draft implementation package was held with plant personnel on October 30, 1989. Final Engineering Package to be completed by December 8, 1989.
- Draft engineering package for Auxiliary Feedwater Actuation System (AFAS) matrix relay card replacement complete. Final package to be completed by December 8, 1989.

Unit 2

- Preliminary design of the ESFAS and AFAS modifications is continuing.

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

Consolidated Controls Corporation (CCC):

Unit 1

- Module prototypes successfully tested in ESFAS cabinets. Production has started.
- The ESFAS panel modification fabrication and field drawings have been received by FPL and are under review. Final documentation to be delivered by CCC prior to November 30, 1989.

Unit 2

- A purchase order was placed with CCC on November 17, 1989.

Combustion Engineering (CE):

Unit 1

- Production of AFAS Matrix Relay Cards has started.
- Final documentation to be delivered by CE prior to November 30, 1989.

Unit 2

- The AFAS matrix relay card requirements have been finalized. Purchase Order to be placed by December 15, 1989.

Other Procurement:

Units 1 & 2

- All purchase orders placed. Delivery of all hardware expected by January 15, 1990.
3. By Safety Evaluation dated September 6, 1989, entitled "Safety Evaluation by the Office of Nuclear Reactor Regulation, Evaluation of Compliance with ATWS Rule 10 CFR 50.62, Requirements for Reduction of Risk from Anticipated Transients Without Scram (ATWS) Events for Light-Water-Cooled Nuclear Power Plants, St. Lucie Units 1 and 2, Dockets Nos. 50-335 and 50-389," the NRC found FPL's proposed ATWS modifications acceptable. However, in that Safety Evaluation, the NRC identified a human factors concern related to a single annunciator window being used to indicate two opposite messages (actuated vs. bypassed). The NRC stated that FPL should resolve this concern through the Human Factors Engineering Program. FPL has reviewed the NRC's concern and will resolve it by installing two annunciator windows to separately indicate the bypass and actuated conditions .
 4. Modifications are on schedule for ATWS modifications implementation at both St. Lucie Units 1 and 2 during the currently scheduled calendar year 1990 refueling outages.

