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 FACIL:50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.
 AUTH.NAME: UHRIG, R.E. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECID,R.W. RECIPIENT AFFILIATION: Operating Reactors Branch 4

DOCKET #
05000335

SUBJECT: Submits revised responses to earlier 790403 submittal on fire protection program re emergency diesel generators automatic sprinkler sys, fire loading & fire rated separations & cable spreading & switchgear rooms.

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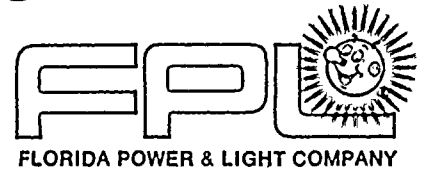
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July 27, 1979
L-79-201

Office of Nuclear Reactor Regulation
Attention: Mr. R. W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Reid:

Re: St. Lucie Unit 1
Docket No. 50-335
Fire Protection Review

On April 3, 1979 (L-79-82) Florida Power & Light Company (FPL) submitted responses to the Fire Protection Staff Review Positions (SRP) on the St. Lucie Unit 1 Fire Protection Program. At that time we stated that we were re-evaluating our position with regard to three of the SRP's. The following is our response to those three positions.

1) Emergency Diesel Generators Automatic Sprinkler System (SRP-13)

FPL will provide an automatic (pre-action) fire suppression system for each emergency diesel generator room.

2) Fire Loading and Fire Rated Separations (SRP-24)

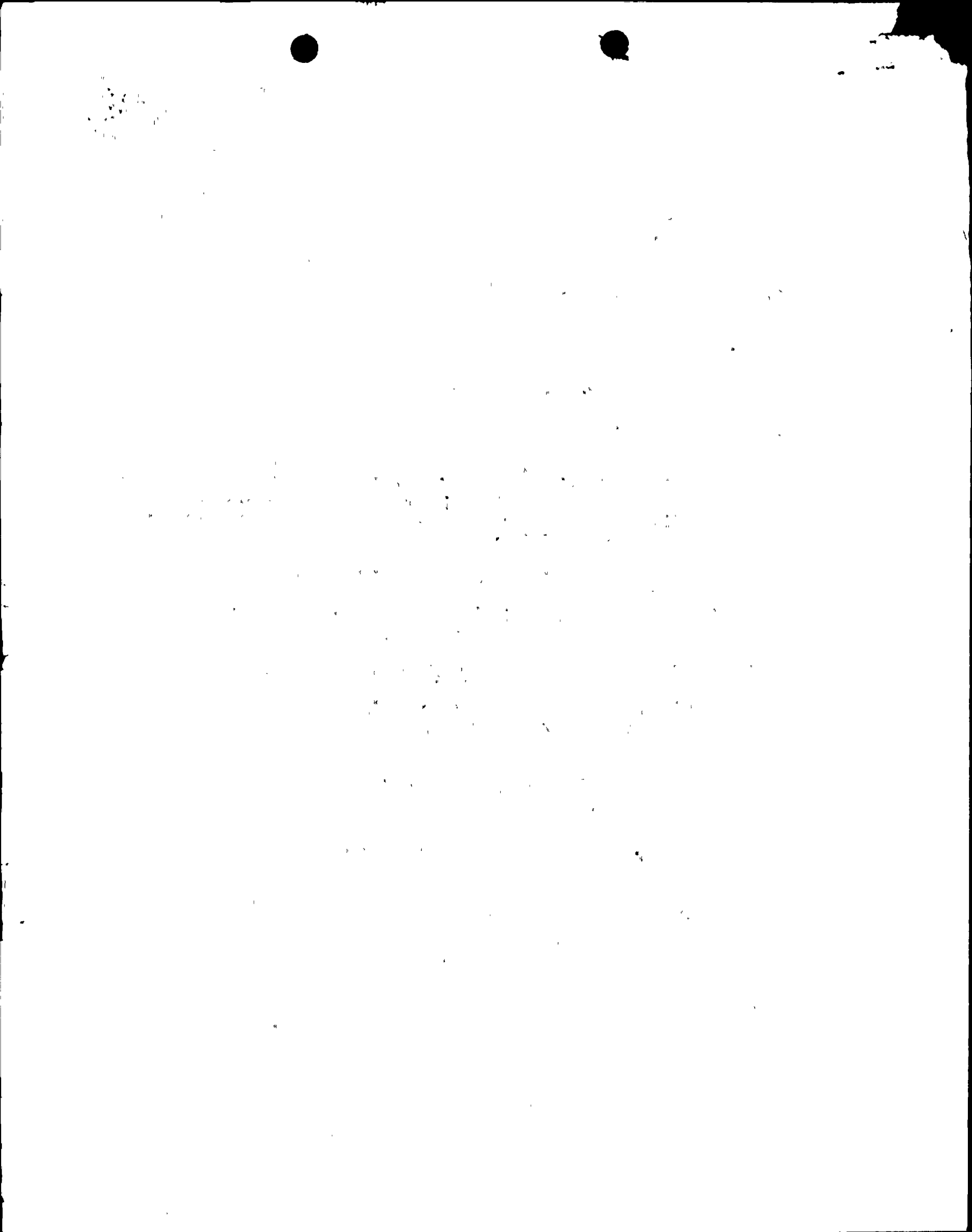
- a. FPL will provide a three hour rated fire door between the two emergency diesel generator rooms.
- b. FPL will provide a 1½ hour rated fire door at the entrance to the clothing change area (Zone 43) from the auxiliary building corridor.
- c. FPL will provide a one hour rated fire door at the entrance to the corridor leading to the kitchen/office area adjacent to the control room.

3) Cable Spreading and Switchgear Rooms (SRP-25)

FPL will provide a 1½ hour rated fire barrier in the 18 x 20 foot wall opening between the cable spreading room and switchgear room "B".

FPL also agrees to provide early warning detectors above the high pressure safety injection pumps (Fire Zone 35), low pressure injection pumps (Fire Zone 35), and the containment spray pumps (Fire Zone 34). This modifies our April 3, 1979 response to SRP-17.

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Office of Nuclear Reactor Regulation
Mr. R. W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

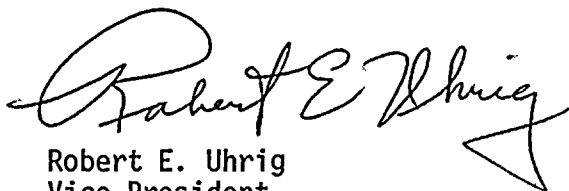
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As a supplement to our April 3, 1979 response to SRP-6, FPL agrees to ensure the dedication of one of the city water storage tanks for fire protection use by maintaining the valve to the domestic water pumps from this tank in the locked closed position except for emergency situations and maintenance situations, as allowed by the Technical Specifications.

During the meetings of March 29 and 30, 1979 with the Staff's Review Team, FPL agreed to review ventilation duct penetrations, and provide fire or smoke dampers at locations where the review showed that potential effects due to an unmitigated fire could affect safe shutdown. FPL has completed this review and has determined that no additional fire or smoke dampers are necessary. Information relevant to the review is included in the St. Lucie Unit 1 Fire Hazards Analysis, Section 5.9.2, and in the FPL response to NRC question 18 submitted to the staff on September 29, 1978 (L-78-315). FPL is reviewing the requirement to add fire and smoke dampers within the ducts from the mechanical equipment room to the control room, and will provide a response as soon as the review is completed.

Very truly yours,



Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU:MAS:TCG:cf

cc: James P. O'Reilly, Region II
Harold F. Reis, Esquire

