

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8310040145 DOC. DATE: 83/09/30 NOTARIZED: NO DOCKET #
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME: UHRIG, R. E. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIP. NAME: VARGA, S. A. RECIPIENT AFFILIATION: Operating Reactors Branch 1

SUBJECT: Forwards suppl info re 10CFR50, App R re fine protection, per 830408 submittal. Thermal fixed temp & rate of rise fine detection will be provided in areas of auxiliary feedwater control valves (fire Zones 113 & 116).

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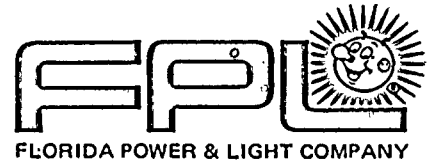
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September 30, 1983
L-83-503

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Varga:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
10 CFR 50 App. R Fire Protection
Supplemental Information

During review of the Turkey Point fire protection submittal, several items required clarification. The attachment to this letter provides a summary of the clarifications agreed upon by FPL and supplements the information provided in the revised fire protection report submitted April 8, 1983 (L-83-115).

If additional information is required, please contact us accordingly.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

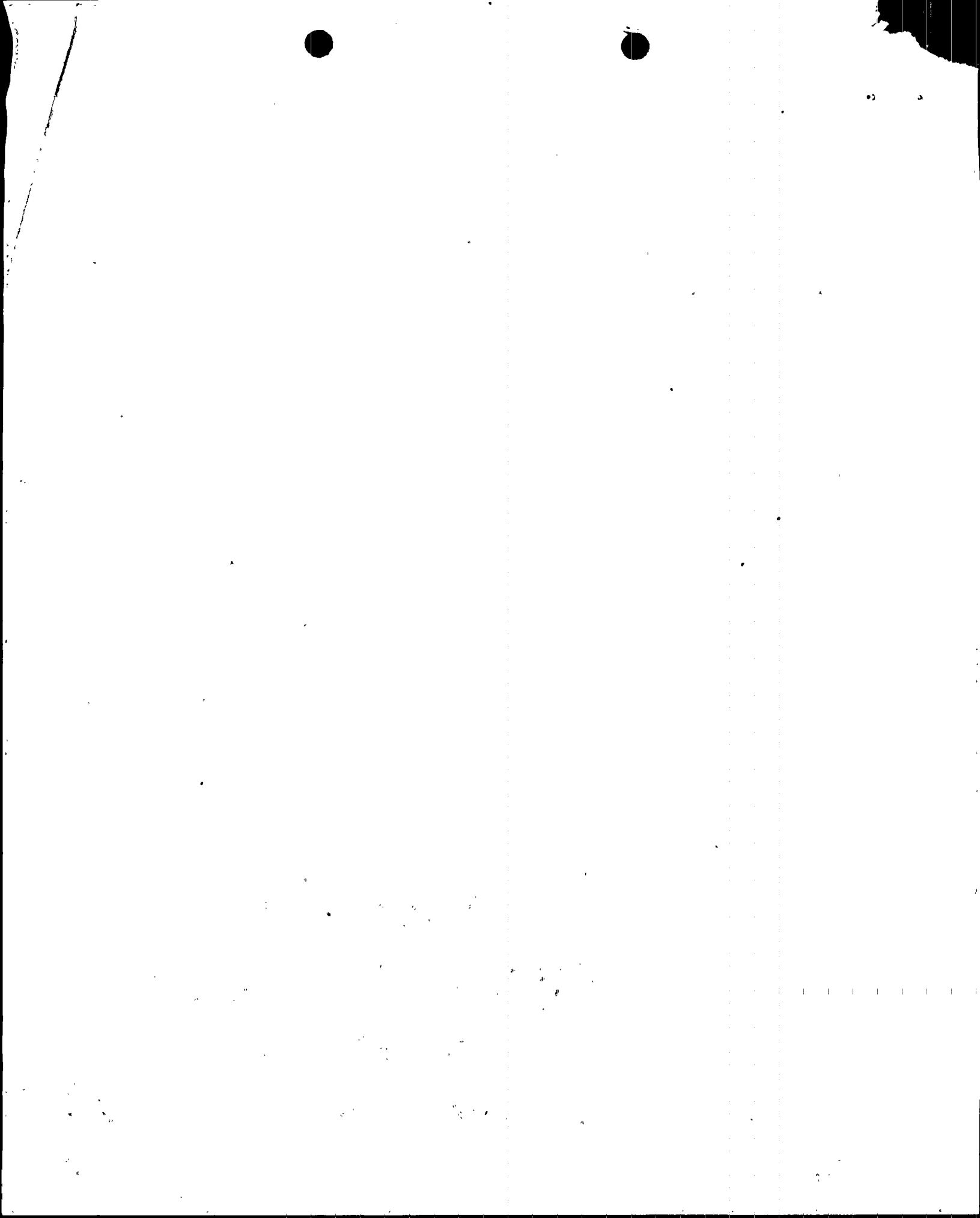
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Attachment

cc: J. P. O'Reilly
Harold F. Reis, Esquire

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PDR ADDCK 05000250
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ATTACHMENT

TURKEY POINT UNITS 3 & 4
DOCKET NOS. 50-250 & 50-251
10 CFR 50 APPENDIX R FIRE PROTECTION
SUPPLEMENTAL INFORMATION

1. Fire Zones 47 and 54, the outdoor component cooling water pump areas will each be provided with fully automatic, functionally redundant deluge systems actuated by fast response ultraviolet (UV) detection systems. The response time for UV type detectors is typically less than 25 milliseconds for an intense UV source and the sensitivity is such that a gasoline fire with a one square foot surface areas can be detected at distances of over 45'. Area coverage will be as shown in Figures 54-1 and 47-2 previously submitted. Each system will be independently isolable from the main fire loop and will provide redundant protection for all hazards in the fire area.
2. A radiant energy shield will be located between the charging line isolation valves (4-310A and 4-310B) located in the Unit 4 containment. The radiant energy shield will be designed such that line of sight communication between these two valves will be prevented. Similar modifications for the Unit 3 charging line isolation valves will be provided if the need is identified during the future Unit 3 containment walkdown.
3. Thermal fixed temperature and rate of rise fire detection will be provided in the areas of the auxiliary feedwater control valves (fire zones 113 and 116). Two detectors will be provided above and two detectors below the platform separating redundant valves.
4. The A charging pump motor power conduit, from the motor terminal box to the floor penetration in both the Unit 3 and Unit 4 charging pump rooms will be provided with one hour rated protection.
5. The C intake cooling water pump motors power conduit from the motor terminal box to the floor penetration will be provided with one hour rated protection in Fire zones 119 and 120.
6. The exemptions requested from providing radiant energy shields between the excess letdowns isolation valves AOV-4-387 and HCV-4-137 is withdrawn. It was agreed that this exemption was not needed since the valves were much more than 20' apart.
7. A final revision of the 10 CFR 50 Appendix R Fire Protection Report will be submitted incorporating the above information and verifying that inadvertent actuation of suppression systems installed for Appendix R purposes will not adversely affect the operation of safety related equipment.

