

June 15, 1990

Docket Nos. 50-250  
and 50-251

Mr. J. H. Goldberg  
Executive Vice President  
Florida Power and Light Company  
P.O. Box 14000  
Juno Beach, Florida 33408-0420

Dear Mr. Goldberg:

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**SUBJECT: TURKEY POINT UNITS 3 AND 4 - REQUEST FOR ADDITIONAL INFORMATION  
ON EMERGENCY POWER SYSTEM ENHANCEMENT PROJECT  
(TAC NOS. 69023 AND 69024)**

The purpose of this letter is to request additional information regarding the Emergency Power System (EPS) Enhancement Project so that we can complete our review in a timely manner.

In your submittal dated June 23, 1988, as supplemented April 3, 1989, you provided the EPS Enhancement Report to the NRC staff. In order to complete our review of the report, the staff requires the additional information described in the enclosure. The questions in the enclosure were discussed with Mr. Grozan and others of your staff in a telephone call on June 8, 1990.

Please provide your responses to the requests in the enclosure by July 8, 1990 so that the staff can complete its review in a timely manner.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than 10 respondents; therefore, OMB clearance is not required under P.L. 96-511.

Any questions concerning the enclosed comments should be directed to me.

Sincerely,

Original signed by  
Gordon E. Edison, Sr. Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

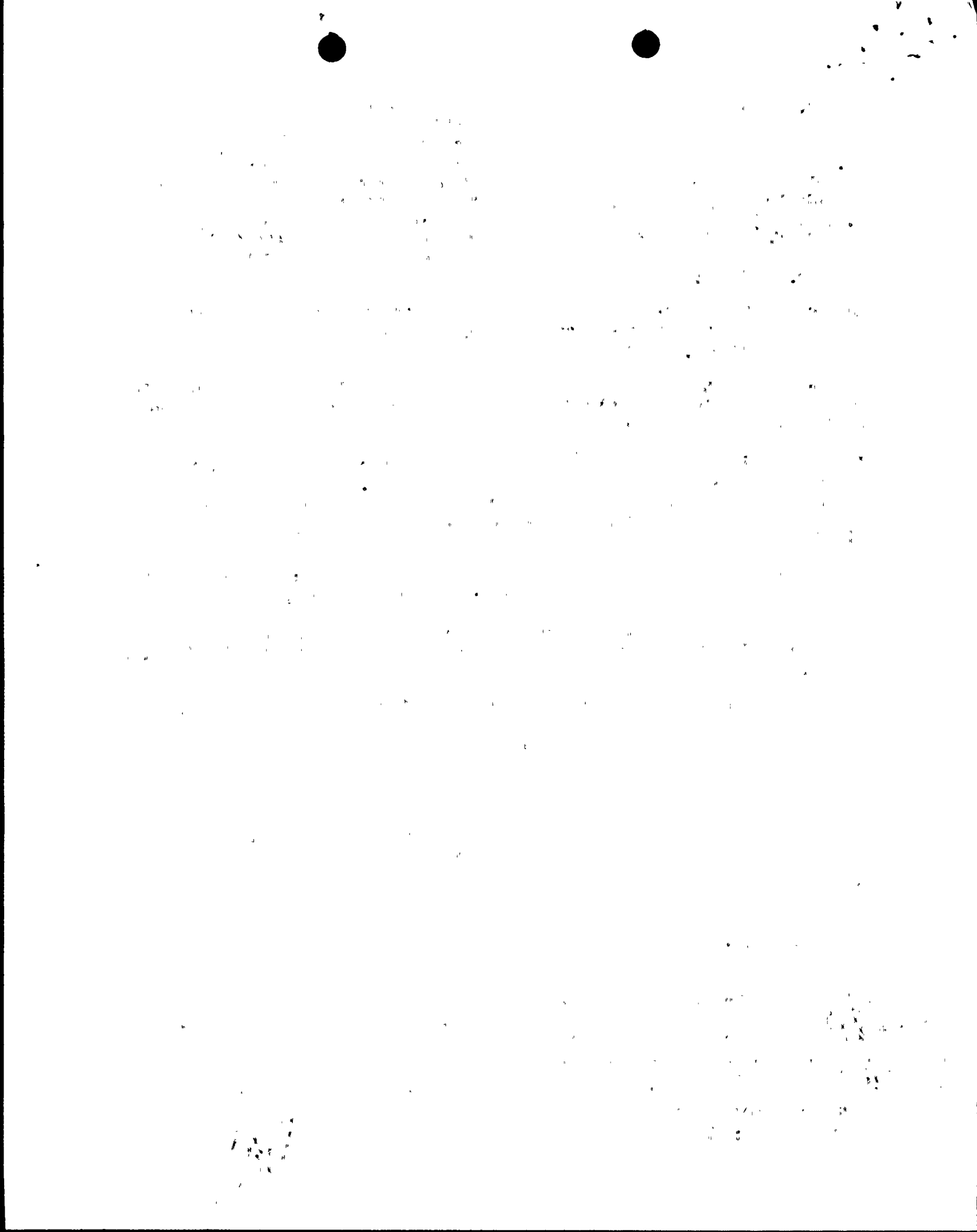
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Mr. J. H. Goldberg  
Florida Power and Light Company

Turkey Point Plant

cc:

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION  
EMERGENCY POWER SYSTEM ENHANCEMENT PROJECT  
TURKEY POINT PLANT UNITS 3 & 4

We have reviewed your June 23, 1988 submittal (ref. FPL Letter L-88-669), Emergency Power System Enhancement Report, Section 5.3 Fire Protection System. As a result of our review, we conclude that your submittal does not provide sufficient information to demonstrate that the emergency power system enhancement modifications will comply with 10 CFR 50, Appendix R. Therefore, in order to complete our review, ensure that safe shutdown capability is maintained, and verify that an adequate level of fire protection, consistent with NRC Fire Protection guidance, is being provided, we are requesting the following additional information:

1. Provide your re-review of Appendix R compliance as a result of the implementation of this Power System Enhancement Upgrade Program. This re-review should describe the impact that this modification had on the Appendix R safe shutdown analysis and demonstrate for each fire area/zone how Appendix R, Section III.G and III.L compliance will be achieved. In addition, this re-review should identify additional Appendix R fire protection features which may be required for cable/equipment protection, describe changes or modifications to existing alternative shutdown systems (i.e., addition of transfer switches) and summarize the changes required to safe shutdown procedures (i.e., fire in the cable spreading or control room).
2. Section 5.3, Fire Protection System, of the subject submittal, addressed the proposed fire protection features for the diesel generator building. In that section it was identified that the diesel generator building will be protected by a pre-action sprinkler system. However, the submittal did not provide an adequate description of the system design. Additional information is requested which describes the extent of system coverage in the building (i.e., is the system going to protect the entire building or just the diesel generator rooms); sprinkler distribution/water application density; how the system is going to be automatically actuated (i.e., dedicated detection actuation system or from the general fire/smoke detection system), alarmed and annunciated upon actuation; and when in standby how system integrity is going to be supervised.
3. Section 5.3 of the subject submittal does not provide any information regarding manual hose station and standpipe provisions inside the diesel generator building. NRC SRP 9.5.1, "Guidelines for Fire Protection for Nuclear Power Plants," Section C.1.c, indicates that total reliance should not be placed on a single fire suppression system and that appropriate backup fire suppression capability should be provided. Interior hose stations along with the appropriate distribution of fire extinguishers is considered acceptable as backup fire suppression. Therefore, in order to verify that an adequate level of backup fire protection is being provided, additional information, which describes the backup fire suppression capability for the new diesel generator structure, is requested.



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4. The subject submittal does not address the fire protection features being provided for the diesel generator building switchgear rooms or the additional electrical equipment (i.e., spare battery bank, battery chargers and inverters, MCCs etc.) being installed in the auxiliary building as a part of the upgrade modifications. Additional information, which describes the existing/proposed fire protection features for these areas (i.e., fire detection capability, fire suppression capabilities, fire barrier, etc.) is requested in order to verify that the existing/proposed level of fire protection is consistent with NRC guidelines.

