FLORIDA POWER AND LIGHT

SAFETY EVALUATION FOR THE INTERIM FIRE PROTECTION SYSTEM CONFIGURATION TO SUPPORT UNIT 4 STARTUP

TURKEY POINT UNITS 3 & 4

JPN-PTN-SEMJ-92-034

REVISION 0

QUALITY RELATED

REVIEW AND APPROVAL RECORD

PLANT TURKEY POINT UNIT(S) 3 & 4

TITLE SAFETY EVALUATION FOR THE INTERIM FIRE PROTECTION SYSTEM CONFIGURATION TO SUPPORT UNIT 4 STARTUP

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MECHANICAL	Yes	J.R. 9-23-92	A Castaldi 9-23-92	J.R. 9-23-92	N/A
ELECTRICAL	Yes	J.L. McManus 9-23-92	J.H. Boynton 9-23-92	Earl R. Bird 9/23/92	N/A
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ABSTRACT

High winds associated with Hurricane Andrew caused the Turkey Point (PTN) Raw Water System high tower to collapse. As a result of the collapse of the high tower, portions of the PTN Fire Water Supply System were damaged. Fire Water Supply System components damaged during Hurricane Andrew include Raw Water Tank I (RWTI) and its appurtenances, the county water supply line to RWTII, the electric driven fire pump casing and controller, both fire water jockey pumps, portions of the fire protection piping system and piping system supports, power cabling for the electric driven fire pump and jockey pumps and space heater and annunciation cables for the electric driven fire pump.

Plant Change Modifications (PC/M's) 92-102, 92-105, 92-106, 92-107 and 92-108 (References 8.1 thru 8.5) provide the necessary procurement and construction details needed to restore the Fire Water Supply System back to the pre-hurricane design configuration. However, as a result of the construction effort involved in the restoration of RWTI, these PC/M's will not be fully implemented in time to support startup of Turkey Point Unit 4.

The purpose of this safety evaluation is to identify the Fire Water Supply System licensing and design basis requirements and determine what system configuration requirements are needed for Unit 4 startup. This interim Fire Protection System configuration will be evaluated against the system operability requirements specified in the Turkey Point Technical Specifications and the Updated Final Safety Analysis Report (UFSAR). The necessity for supplemental fire protection equipment to meet system design requirements will also be determined.

In accordance with Section 6.5 and Figure 1 of Nuclear Engineering Quality Instruction QI 2.3, "Safety Classifications", fire protection equipment that is required to protect safety related equipment in accordance with the requirements of 10 CFR 50, Appendix R, shall be classified as Quality Related (QR). In addition, those systems and components that are not classified as Safety Related, but are required by Plant Technical Specifications, shall be classified as Quality Related (QR). Accordingly, this safety evaluation is appropriately classified as Quality Related.

1.0 DESCRIPTION/PURPOSE

On August 24, 1992, high winds associated with Hurricane Andrew caused the Turkey Point (PTN) Raw Water System high tower to collapse. As a result of the collapse of the high tower, portions of the PTN Fire Water Supply System were damaged. Fire Water Supply System components damaged during Hurricane Andrew include Raw Water Tank I (RWTI) and its appurtenances, the county water supply line to RWTII, the electric driven fire pump casing and controller, both fire water jockey pumps, portions of the fire protection piping system and piping system supports, power cabling for the electric driven fire pump and jockey pumps and space heater and annunciation cables for the electric driven fire pump.

Restoration efforts are underway to restore the PTN Fire Water Supply System back to the pre-hurricane design configuration. The design and construction details required for complete system restoration can be found in the Reference 8.1 thru 8.5 PC/M packages. However, the complete restoration of the Fire Water Supply System to the pre-hurricane design configuration will not be completed in time to support startup of Unit 4. The purpose of this safety evaluation is to identify the Fire Water Supply System licensing and design basis requirements and determine what system configuration requirements are needed for Unit 4 startup. The necessity for supplemental fire protection equipment to meet system design requirements will also be determined.

2.0 SYSTEM DESIGN BASES

The Turkey Point Units 3 and 4 Fire Protection Program is discussed in Appendix 9.6A of the Updated Final Safety Analysis Report (UFSAR). Appendix 9.6A provides a comprehensive description of the Fire Protection Program as documented with the Nuclear Regulatory Commission (NRC). Section 3.1 of Appendix 9.6A describes the Fire Water Supply System. The Fire Water Supply System is a common system which is shared by all four Turkey Point Units (fossil and nuclear). The system is designed to provide a reliable source of water to the automatic and manually actuated water suppression systems, hose stations and hydrants. The Fire Water Supply System consists of fire water storage tanks, fire pumps, yard main distribution system and associated piping and valves.

By design, two separate water tanks are provided as the sources of fire water. Raw Water Tank I (RWTI) has a capacity of 500,000 gallons and RWTII has a capacity of 750,000 gallons. Each tank has 300,000 gallons of water dedicated to the fire water system. Each tank's water supply provides 100% of the required fire water capacity. Additional tank outlet nozzles, such as service water, are located high enough on each tank wall to prevent service water drawdown from the dedicated fire water inventory. Water to each tank is supplied from a 12 inch county water main and tank level is automatically maintained above the service water outlet nozzle. Both RWTI and RWTII and the associated tank isolation valves are

classified as Quality Related since they provide the water source for the Fire Water Supply System. However, the county water supply lines and associated instrumentation are classified as Not Nuclear Safety.

The fire water supply outlet from RWTI is normally aligned to the electric driven fire pump and the fire water tank outlet from RWTII is normally aligned to the diesel driven fire pump. A crossover line between the suction of both pumps provides the capability for each RWT to supply either fire water pump. The crossover line is normally isolated.

The electric fire pump is rated at 2000 gpm at 140 psi and the diesel driven pump is rated at 2500 gpm at 140 psi. The electric fire pump is powered from 480V Load Center 3C which is part of the safety related emergency power system. During on-line operation Load Center 3C is powered from the Main Generator through the Unit 3 Auxiliary Transformer, 4KV Switchgear 3A and the Load Center 3C Transformer. When Unit 3 is off-line, Load Center 3C is normally powered from offsite through the Unit 3 Startup Transformer, 4KV Switchgear 3A and the Load Center 3C Transformer. On loss of offsite power, Load Center 3C is automatically powered from Emergency Diesel Generator 3A and the electric fire pump can be manually loaded (by manually closing the fire pump's load center breaker) onto the diesel generator provided EDG load limits are not exceeded.

Both pumps are automatically started on low fire water header pressure by their respective fire pump controller and pump operation is annunciated in the Control Room. A loss of power to the controllers is also alarmed in the Control Room.

The fire water pumps discharge into the 10 inch underground cast iron fire main for Unit 3 and 4. The fire main provides fire water to the standpipes, hose stations, hydrants and suppression systems.

3.0 SYSTEM CONFIGURATION FOR UNIT 4 STARTUP

As stated above, portions of the Fire Water Supply System had been damaged by Hurricane Andrew. PC/M's 92-102, 92-105, 92-106, 92-107 and 92-108 (References 8.1 thru 8.5) provide the design details needed to restore the entire system back to the pre-hurricane design configuration. This section will describe the portions of those PC/M's which are required to be implemented prior to Unit 4 restart. Supplemental fire protection equipment requirements will also be identified.

A. Fire Water Sources

Raw Water Tanks I and II (RWTI and RWTII) provide the independent fire water sources for Units 3 and 4. The requirement for two independent fire water sources is specified in plant design documents and plant Technical

Specifications. However, RWTI and its appurtenances were completely destroyed by Hurricane Andrew. In addition, the RWTII county water supply line and associated level controls and instrumentation were damaged and require replacement. Listed below are the repairs that are required to be performed on RWTII in addition to identification of the interim alternate water source for RWTI until restoration of RWTI and the Fire Water Supply System is completed.

Raw Water Tank II (RWTII)

RWTII has remained operable following Hurricane Andrew and is capable of providing its 300,000 gallon fire water source required by design and plant Technical Specification Limiting Condition for Operation (LCO) 3.7.8.1.b. However, the county water fill line was severed and must be replaced in order to provide makeup capability to the tank. Portions of PC/M 92-106 (Reference 8.3) must be implemented in order to restore the permanent 6 inch county water supply line prior to Unit 4 startup. The 6 inch county water supply line consists of a main supply line which includes an automatic level control valve and a 6 inch manual bypass line. However, the tank level control valve does not need to be functional in order to provide makeup water to RWTII. In the interim, tank fill operations will be accomplished by utilizing the manual bypass line. Manual operation precludes the need to have the level control valve and associated instrumentation functional for Unit 4 restart. Tank level will be monitored by plant operators using the local tank mounted level indicator, and therefore, tank level control alarms in the Control Room and recording at the Water Treatment Plant are not required for Unit 4 startup. The level control instrumentation will be restored to the design configuration subsequent to Unit 4 startup.

Alternate Water Source

In order to satisfy UFSAR and plant Technical Specification requirements, an alternate water source will be provided for Units 3 and 4 during the construction effort associated with replacement of RWTI. This alternate water source consists of the Turkey Point cooling canals. This water source essentially provides an unlimited water source for fire protection purposes (well in excess of the 300,000 gallons required by design) and has been utilized in the past at Turkey Point as an acceptable interim source of fire water (Reference 8.15). Fire water pumping requirements from the cooling canals are discussed below.

B. Fire Pumps

Fire water pumping capability will be provided by either of

the 100% capacity permanent plant fire pumps (electric and diesel driven) or supplemental pumps as discussed below.

Permanent Fire Pumps

The electric driven fire pump casing, controller and power and control cables were damaged by Hurricane Andrew and will be replaced under PC/M 92-107 (Reference 8.4). The damaged electric fire pump casing is being replaced with a hydraulically identical pump (Fairbanks Morse Model 8" - 5824F) supplied by the original pump supplier. The replacement pump is a UL Listed fire pump and is rated for 2000 gpm at 140 psi. The replacement pump's certified performance curve has been reviewed against the original pump curve and both curves are essentially identical. Therefore, from a pump performance standpoint, no changes have been made to the system and pump hydraulic performance and design capabilities are maintained.

The electric fire pump controller is designed to automatically start the electric pump on low fire header pressure and provide the appropriate control and alarms. The damaged electric fire pump controller is being replaced with a controller with the same characteristics as the original controller and supplied by the original pump controller supplier. The replacement controller is UL Listed and also meets the requirements of NFPA 20 (Reference 8.11).

Details to restore permanent electric power to the pump and controller are also provided in PC/M 92-107. Damaged conduits and cables will be replaced. The electric fire pump annunciation as described in Appendix 9.6A of the UFSAR is not affected.

The diesel driven fire pump, pump controller and power supplies were not damaged by Hurricane Andrew. The remote diesel fuel fill line was damaged but is not required for Unit 4 startup since a permanent diesel fuel tank containing enough fuel for 8 hours of pump operation is provided by design.

In order to support Unit 4 startup, both the electric and diesel driven fire water pumps shall be functional. Both pumps shall have the capability of being started either manually or automatically on low fire header pressure. In addition, both pumps shall have their control room alarm features functional for Unit 4 restart.

Since RWTI will not be erected in time to support Unit 4 startup, both the electric pump and diesel driven pump suction shall be aligned to RWTII. Alignment to RWTII will provide 100% fire water capacity to either pump. In addition, the electric pump recirculation piping will be temporarily routed to RWTII until erection of RWTI is completed and the

appropriate piping tie-ins can be made. Both the electric and diesel driven fire pumps discharges will be aligned to the common electric fire pump discharge piping tie into the fire main. Restoration of the diesel driven fire pump discharge header into the fire main will be completed after Unit 4 restart.

Fire Water Jockey Pumps

The design bases for the fire water jockey pumps is for one of the pumps to run continuously to maintain pressure in the fire water header and prevent inadvertent or spurious fire pump starts. The jockey pumps also keep the fire water piping system solid to prevent the potential for waterhammer. However, no credit is taken for the jockey pumps to provide fire water to the fire main. As such, the two jockey pumps should be available for Unit 4 startup in accordance with the Fire Water Supply System design. The jockey pump piping shall be restored such that both jockey pump's suction and recirculation piping are tied into RWTII. Restoration of the jockey pump piping to RWTI will be completed after Unit 4 startup.

Approximately 70 feet of power cables and associated conduits for fire water jockey pumps were damaged. In order to restore permanent power to the jockey pumps, the damaged cable and conduits will be replaced. PC/M 92-107 provides the design details needed to restore permanent power to the jockey pumps prior to Unit 4 startup.

Attachment 1 provides a detail of the interim Fire Water Supply System configuration utilizing RWTII, the electric driven fire pump, the diesel driven fire pump and the jockey pumps.

Supplemental Fire Pumps

As stated in Section 3.A above, an alternate source of fire water is provided by the Turkey Point cooling canals. The pumping source from the cooling canals is provided by the Unit 3 and 4 screen wash pumps. The screen wash pumps are available, by design, to provide emergency makeup water to the Fire Water Supply System. Credit has been taken in the past for the availability of the screen wash pumps to perform this fire water supply function (Reference 8.15). The 3 screen wash pumps are connected to a permanent backup fire protection header that can be tied into fire main hydrant HY-13 by a 6 inch hose. This hose will be installed to support Unit 4 restart.

There are 3 screen wash pumps for Units 3 and 4 (labeled 3, 4 and S) which are normally used to clean collected debris off the intake structure traveling screens. The pumps are 1680

gpm two stage vertical centrifugal pumps and are located in the middle of the common intake structure. The pumps can be manually aligned and started to supply an alternate supply of fire water to the fire main.

In addition to the permanently installed screen wash pumps, additional backup fire water can be provided from the cooling canals to the fire main piping by three temporary diesel driven pumps. Two of the temporary diesel pumps are variable speed Thompson Model 6J-DD-6 high pressure centrifugal jet pumps and the third is a variable speed Thompson Model 4J-DD-4 high pressure centrifugal jet pump. The three temporary diesel driven fire pumps are located by the Central Receiving Facility. The pumps are temporarily tied into the fire main at hydrant HY-28 with a fire hose. The pumps can be manually started and their discharge aligned to provide supplemental fire water to the fire main, if needed.

Attachment 2 provides a detail of the complete, interim Fire Water Supply System configuration. One fire water source consists of RWTII, the electric driven fire pump, the diesel driven fire pump and the jockey pumps. The second fire water source consists of the intake cooling canal and the screen wash pumps. Temporary diesel driven pumps supplement the second water source.

4.0 COMPLIANCE WITH DESIGN BASIS REQUIREMENTS

Section III.A. of Appendix R to 10CFR50 describes the specific requirements for fire water supplies for fire suppression systems as follows:

> "Two separate water supplies shall be provided to furnish necessary water volume and pressure to the fire main loop.
>
> Each supply shall consist of a storage tank, pump, piping, and appropriate isolation and control valves. Two separate redundant suctions in one or more intake structures from a large body of water (river, lake, etc.) will satisfy the requirement for two separated water storage tanks. These supplies shall be separated so that a failure of one will not result in a failure of the other supply.
>
> Each supply of the fire water distribution system shall be capable of providing for a period of 2 hours the maximum expected water demands as determined by the fire hazards analysis for safety-related areas or other areas that present a fire exposure hazard to safety-related areas."...

By design, the Appendix R requirements for fire water supplies is met at Turkey Point by the two Raw Water Storage Tanks (RWTI and RWTII). RWTII will be available to provide 100% of the required fire water capacity (300,000 gallons) to either the permanent

electric or diesel driven fire pump. Both pumps will be capable of being started either manually, or, automatically on low fire main header pressure. However, since replacement of RWTI will not be completed in time to support Unit 4 restart, an alternate source of fire water will be provided by the Turkey Point cooling canals via the screen wash pumps. The capability of these fire water systems to meet the design basis system flow requirements is evaluated below.

A previous engineering calculation (Reference 8.8) evaluated the capability of the permanent fire water pumps to meet the most limiting Appendix R flow demand. The most limiting Appendix R flow demand had been identified in the Reference 8.8 calculation as the Unit 4 Main and Auxiliary Transformer and Hydrogen Seal Oil deluge system which has a demand of 1498 gpm at 63.5 psig. An additional manual hose stream supply of 750 gpm at 65 psig from hydrant HY-8 is also considered in the total system demand. The calculation concluded that either the electric pump or the diesel driven pump are capable of delivering the Appendix R design flow requirement.

An additional calculation (Reference 8.9) has been prepared to assess the flow capability of the interim fire water supply consisting of the intake canal and the screen wash pumps. The calculation utilizes the same Fire Water Supply System hydraulic model utilized above for the permanent fire water pumps. The screen wash pump performance curve, discharge piping and temporary 6 inch hose to hydrant HY-13 have been included in the model. The calculation results conclude that two screen wash pumps are capable of meeting the flow demand of the Unit 4 Main and Auxiliary Transformer and Hydrogen Seal Oil deluge system (1498 gpm at 63.5 psig) and providing an additional manual hose stream flow of 568 gpm at hydrant HY-8.

A review of the manual hydrant hose stream requirements has been performed to determine the acceptability of the 568 gpm hose stream supply provided by the two screen wash pumps. Section 2.4 of UFSAR Appendix 9.6A provides a comparison of the Turkey Point Fire Protection Program to the guidelines of Appendix A to Branch Technical Position APCSB 9.5-1 (Reference 8.16). Guideline E.2(e) discusses the capacity requirements for the Fire Water Supply System. The sizing of the dedicated fire water supply for Turkey Point Units 3 and 4 is based on the largest expected suppression system demand plus an additional 750 gpm for manual hose streams. However, more recent NRC guidance (Reference 8.18) states that "the fire water supply flow rates should be based (conservatively) on 500 gpm for manual hose streams plus the largest demand of any sprinkler or deluge system." In addition, Chapter 5 of NFPA 14 (Reference 8.17) specifies a minimum required fire hose connection supply of 500 gpm for Class I and Class III service. Therefore, it is concluded that the flow capability of two screen wash pumps to meet the combined demand of the Main and Auxiliary Transformer and Hydrogen Seal Oil deluge system plus an additional 500 gpm for manual hose streams is sufficient to meet the interim Fire Water

Supply System design requirements. Procedural recommendations will be made to limit the screen wash pump's manual hose stream flow to 500 gpm when the deluge systems are activated.

The power supply for the screen wash pumps has also been evaluated to assure a reliable source of alternate fire water exists. The Screen Wash Pumps are powered from MCC 3E and MCC 4E which are part of the non-safety related C-Bus auxiliary power system. MCC 3E and MCC 4E are assured a reasonably secure power path since both normal and alternate power path alignments are available at the 480V Motor Control Center, 480V Load Center and 4KV Switchgear levels. Normally, offsite power is supplied to 4KV 3C and 4C busses by C Bus transformer 3X21 and 4X21 respectively. However, the output of either C Bus transformer is capable of supplying both 3C and 4C loads simultaneously through the transformer's dual secondary windings. In the event of a loss of offsite power, the Cranking Diesel Generators are available to directly supply Unit 3 and 4 C Bus 4KV Switchgear. Therefore, the screen wash pumps are expected to be available for Appendix R loss of offsite power scenarios. Additionally, loss of the power supply to the screen wash pumps does not affect the operation of the permanent diesel driven fire pump or the electric fire pump.

Condition Report 92-0122 (Reference 8.19) has identified a situation in which 4F Load Center breaker 41406 (MCC 4E feeder) trips when MCC 3E is powered from MCC 4E and two screen wash pumps are simultaneously started. The cause of this problem has been linked to the trip setting of circuit breaker 41406. Minor Engineering Package PC/M 92-123 (Reference 8.20) establishes the circuit breaker setting for Load Center 3F and 4F incoming breaker from the load center transformers and Load Center 3F and 4F feeder breakers to Motor Control Centers F and 4E, respectively. PC/M 92-123 must be implemented prior to Unit 4 restart in order to assure all of the power paths discussed above are available.

As stated above, additional fire water will be provided from the cooling canals to the fire supply system piping by three temporary diesel driven pumps. However, credit is not taken for these temporary diesel driven pumps in the screen wash pump fire protection flow analysis. These pumps simply provide an additional level of defense in depth and a diverse fire water supply to the fire main, but are not required by design.

The above discussion provides the basis that the interim Fire Water Supply System configuration satisfies the intent of Appendix R with respect to separate fire water supplies and provides sufficient protection against fire hazards. In addition, the NRC previously granted FPL an extension from the schedular requirements of Appendix R to utilize only RWTI with the electric driven fire pump and the intake canal with the screen wash pumps as the separate sources of fire water until the second RWT and diesel driven pump were designed and implemented (Reference 8.15). This extension was granted from the period of November 19, 1981 until December 31,

1984. Therefore, a precedent to utilize the screen wash pumps as an interim source of fire water supply has been established.

5.0 EFFECT ON TECHNICAL SPECIFICATIONS

Operability requirements associated with the Turkey Point Units 3 and 4 Fire Water Supply and Distribution System are provided in Section 3/4.7.8 of the Turkey Point Technical Specifications (Reference 8.7). The Technical Specification Limiting Condition for Operation (LCO) 3.7.8.1 requires at least two operable fire pumps, two separate water supplies and an operable fire water distribution system during all modes of plant operation.

In accordance with ACTION a. of LCO 3.7.8.1, if one pump and/or one normal water supply (RWTI or RWTII) is inoperable, the inoperable equipment must be restored to operable status within 7 days or an alternate backup pump or supply must be provided. Operation with a backup pump or supply is permitted for an unlimited period of time. Based on the discussion provided within this safety evaluation, the intake canal water source via the screen wash pumps satisfies the requirements for a backup fire water supply. Additional temporary diesel driven pumps provide defense in depth and are also available to provide water to the fire main. Therefore, the ACTION Statement requirements are met and startup of Unit 4 can proceed. However, restoration of the Fire Water Supply System in accordance with the Technical Specification LCO requirements shall be accomplished in a timely manner.

In addition, Technical Specification LCO 3.0.4 states that entry into an OPERATIONAL MODE or specified condition may be made in accordance with ACTION requirements when conformance to them permits continued operation of the facility for an unlimited period of time. This LCO is consistent with the NRC's position as discussed in NRC Generic Letter 87-09, "Sections 3.0 and 4.0 of the Standard Technical Specifications (STS) on the Applicability of Limiting Conditions for Operation and Surveillance Requirements", dated June 4, 1987 (Reference 8.21).

With regards to surveillance requirements, Section 7.0 of this safety evaluation provides recommended interim surveillance requirements for the screen wash pumps and temporary diesel driven pumps in order to assure their reliable operation. In addition, the permanent Fire Water Supply System shall meet the appropriate surveillance requirements provided in 4.7.8.1.1, 4.7.8.1.2 and 4.7.8.1.3 of the Technical Specifications.

6.0 UNREVIEWED SAFETY QUESTION DETERMINATION

In accordance with 10CFR50.59, a proposed change, test, or experiment shall be deemed to involve an unreviewed safety question: (i) if the probability of occurrence or the consequence of an accident or malfunction of equipment important to safety previously evaluated in the safety

analysis report (SAR) may be increased; or (ii) if the possibility or an accident or malfunction of a different type other than any evaluated previously in the safety analysis report may be created; or (iii) If the margin of safety as defined in the basis for any Technical Specification is reduced.

1. DOES THE PROPOSED ACTIVITY INCREASE THE PROBABILITY OF OCCURRENCE OF AN ACCIDENT PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT?

   The Fire Water Supply System as described in the UFSAR does not in itself initiate any design basis accidents and will function as designed in the event of a fire. In addition, the interim Fire Water Supply System does not increase the probability of occurrence of a fire since the system is not a fire initiator. Therefore, the probability of occurrence of an accident previously evaluated in the SAR is not increased.

2. DOES THE PROPOSED ACTIVITY INCREASE THE CONSEQUENCES OF AN ACCIDENT PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT?

   As discussed in this safety evaluation, the interim Fire Water Supply System utilizing RWTII with the permanent electric and diesel driven fire pumps and the intake canal with the screen wash pumps is capable of delivering the required fire water flow. The interim system remains capable of mitigating the effects of a fire. Therefore, the consequences of an accident previously evaluated in the SAR is not increased.

3. DOES THE PROPOSED ACTIVITY INCREASE THE PROBABILITY OF OCCURRENCE OF A MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT?

   The Fire Water Supply System is designed to protect equipment needed to safely shut down the plant and minimize the risk of a radiological release to the environment should a fire occur. Since the interim Fire Water Supply System remains capable of delivering the required fire water flow, the probability of occurrence of a malfunction of equipment important to safety previously evaluated in the SAR is not increased.

4. DOES THE PROPOSED ACTIVITY INCREASE THE CONSEQUENCES OF A MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT?

   The Fire Water Supply System is designed to protect equipment needed to safely shut down the plant and

minimize the risk of a radiological release to the environment should a fire occur. Since the interim Fire Water Supply System remains capable of delivering the required fire water flow, the consequences of a malfunction of equipment important to safety previously evaluated in the SAR is not increased.

5. DOES THE PROPOSED ACTIVITY CREATE THE POSSIBILITY OF AN ACCIDENT OF A DIFFERENT TYPE THAN ANY PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT?

   The Fire Water Supply System as described in the UFSAR does not in itself initiate any design basis accidents. Also, the system is designed to mitigate design basis fires such that the plant can be safely shut down in the event of a fire. The interim fire water supply system remains capable of providing the required fire water flow. Therefore, the probability of occurrence of an accident of a different type than previously evaluated in the SAR is not increased.

6. DOES THE PROPOSED ACTIVITY CREATE THE POSSIBILITY OF A MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY OF A DIFFERENT TYPE OTHER THAN ANY PREVIOUSLY EVALUATED IN THE SAR?

   The fire water supply system is designed to protect equipment needed to safely shut down the plant and minimize the risk of a radiological release to the environment should a fire occur. Since the interim fire water supply system remains capable providing the required fire water flow, the probability of occurrence of a malfunction of equipment important to safety of a different type than previously evaluated in the SAR is not increased.

7. DOES THE PROPOSED ACTIVITY REDUCE THE MARGIN OF SAFETY AS DEFINED IN THE BASIS FOR ANY TECHNICAL SPECIFICATION?

   The operability of the Fire Water Supply System ensures that adequate fire suppression capability is available to confine and extinguish fires occurring in any portion of the facility where equipment required to safely shut down the plant is located. Since the interim fire water supply system consisting of RWTII with both the permanent electric and diesel driven fire pumps and the intake canal with the screen wash pumps is capable of providing two separate sources of fire water that deliver the required fire water flow, the margin of safety as specified in the bases for any Technical Specification is not reduced.

CONCLUSION

Based on the answers to the above questions, the interim configuration for the Fire Water Supply System does not impact safe operation of the plant, does not constitute an unreviewed safety question and does not require a change to the Technical Specifications. Therefore, the Turkey Point Unit 4 can be operated in any mode while in this interim configuration without prior NRC approval.

7.0 ACTIONS REQUIRED

In order to assure that the interim Fire Water Supply System provides a reliable source of fire water to the Turkey Point Units 3 and 4 fire main, the following actions shall be taken prior to restart of Unit 4.

7.1 Implementation of PC/M 92-107

Those portions of PC/M 92-107 needed to restore the following portions of the Fire Water Supply System shall be implemented.

Diesel driven fire pump w/ manual and autostart capability
Electric driven fire pump w/ manual and autostart capability
Two jockey pumps
Permanent power to electric pump and jockey pumps
All appropriate pump tie-ins to RWTII
One fire water header to fire loop (electric pump header)
Control room annunciation for fire pumps
Testing in accordance with PC/M requirements shall be performed for the above components

7.2 Implementation of PC/M 92-106

Those portions of PC/M 92-106 needed to restore manual fill capability to RWTII, as detailed below, shall be implemented.

County water supply line hardpiped
Manual RWTII fill capability with LCV-501A bypass line
No instrumentation or controls required

7.3 Implementation of PC/M 92-123

This MEP establishes the circuit breaker setting for the Load Center 3F and 4F incoming breaker from the load center transformers and Load Center 3F and 4F feeder breakers to Motor Control Centers F and 4E, respectively. This modification provides proper circuit breaker coordination.

7.4 The appropriate plant procedures shall be prepared or revised, as necessary, to reflect operation of the interim Fire Water Supply System as detailed in this safety evaluation. This includes the operation of the permanent electric and diesel driven fire pumps from RWTI and the screen wash and temporary

diesel driven pumps. The screen wash pump hose to hydrant HY-13 and the temporary diesel driven pumps suction hoses to the cooling canals and discharge hose to hydrant HY-28 shall be installed. Screen wash pump manual hose streams shall be limited to 500 gpm when deluge systems are activated. RWTII level shall be monitored locally by plant operators in accordance with existing plant procedures and tank fill shall be performed manually, as needed.

7.5 The appropriate surveillance procedures should be developed to assure a reliable source of alternate fire water exists. Surveillance requirements, similar to those specified in the Technical Specifications for the Fire Water Supply System, should be established for the screen wash pumps and the temporary diesel driven pumps. As a minimum, surveillance requirements for initial and periodic operation of the screen wash pumps and temporary diesel pumps shall be developed. Pump start and proper pump operation shall be verified. In addition, verification of temporary diesel pump fuel availability and temporary diesel pump battery system operation shall be considered.

The screen wash pumps and temporary diesel driven pumps are not required to meet the permanent electric and diesel driven fire pump flow requirements specified in Technical Specification Surveillance Requirement 4.7.8.1.1.f.2. These flow requirements are specific to the permanent electric and diesel driven fire pump performance curve and are intended to detect degradation of these specific pumps.

8.0 REFERENCES

8.1 PC/M 92-102, Rev. 0, Replacement of Raw Water Storage Tank I (T63A)

8.2 PC/M 92-105, Rev. 0, RWT1 County Water Supply Restoration

8.3 PC/M 92-106, Rev. 0, RWT2 County Water Supply Restoration

8.4 PC/M 92-107, Rev. 0, Fire Protection System Restoration - Hurricane Andrew

8.5 PC/M 92-108, Rev. 0, Raw Water and Service Water Systems Restoration

8.6 Updated Final Safety Analysis Report, (UFSAR), Revision 10, dated July 1992

8.7 Turkey Point Unit 3 and 4 Technical Specification, Amendments 152/147 effective August 20, 1992

8.8 FPL calculation PTN-BFJM-91-052, Rev. 0, "Fire Protection System Pipe Flow Analysis"

8.9 FPL calculation PTN-BFJM-92-032, Rev. 0, "Backup Fire Protection System Pipe Flow Analysis Using Screen Wash Pumps"

8.10 NFPA 24, "Standard for the Installation of Private Fire Service Mains and Their Appurtenances", 1992 Edition

8.11 NFPA 20, "Standard for the Installation of Centrifugal Fire Pumps", 1990 Edition

8.12 Turkey Point Nuclear Plant Surveillance Procedure 0-OSP-016.1, "Electric Driven Fire Pump Annual Surveillance Test", latest revision

8.13 Turkey Point Nuclear Plant Surveillance Procedure 0-OSP-016.26, "Electric Driven Fire Pump Operability Test", latest revision

8.14 Turkey Point Nuclear Plant Procedure 0-ONOP-016.7, "Screen Wash Emergency Makeup to the Fire Protection System", latest revision

8.15 NRC letter to FPL, "Schedular Exemption Request - Fire Protection Section III.A to 10 CFR 50, Turkey Point Plant Units 3 and 4", dated March 21, 1984

8.16 Appendix A to Branch Technical Position APCSB 9.5-1, Guidelines for Fire Protection for Nuclear Power Plants Docketed Prior to July 1, 1976, dated August 23, 1976

8.17 NFPA 14, "Standard for the Installation of Standpipe and Hose Systems, 1990 Edition

8.18 NUREG-0800, Standard Review Plan, 9.5.1 Fire Protection Program, Rev. 3, dated July 1981

8.19 Turkey Point Nuclear Condition Report #92-0122, approved July 28, 1992

8.20 PC/M 92-123, Rev. 0, "Load Center 3F/4F Circuit Breaker Settings

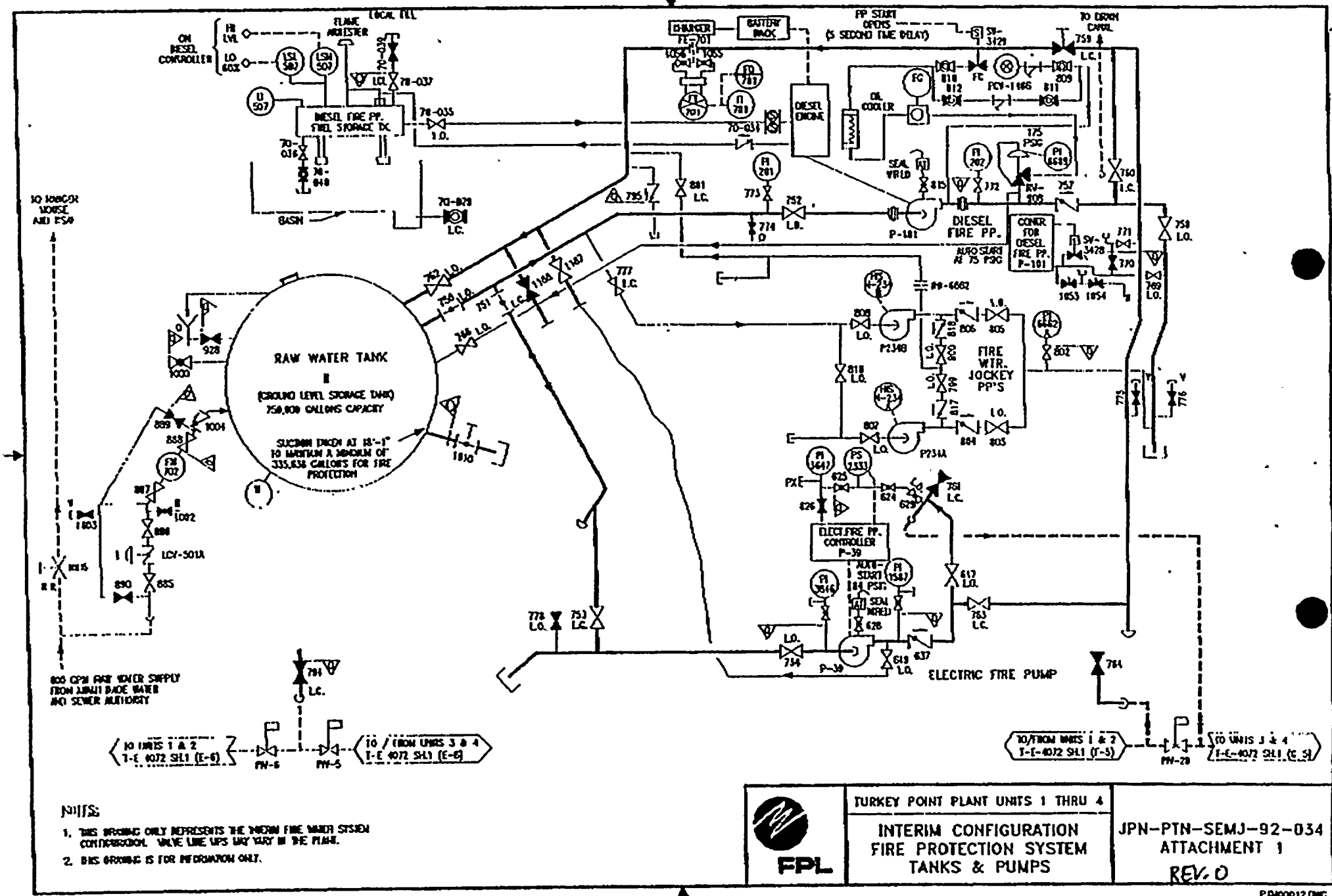
8.21 NRC Generic Letter 87-09, "Sections 3.0 and 4.0 of the Standard Technical Specifications (STS) on the Applicability of Limiting Conditions for Operation and Surveillance Requirements", dated June 4, 1987

9.0 ATTACHMENTS

1 Interim Configuration Fire Protection System Tanks and

Pumps (1 page)

2 Interim Raw Water/Fire Protection System (1 page)



NOTES:

1. THIS DRAWING ONLY REPRESENTS THE MIAMI FIRE WATER SYSTEM CONFIGURATION. VALVE LINE UPS MAY VARY IN THE PLANT.
2. THIS DRAWING IS FOR INFORMATION ONLY.

FPL

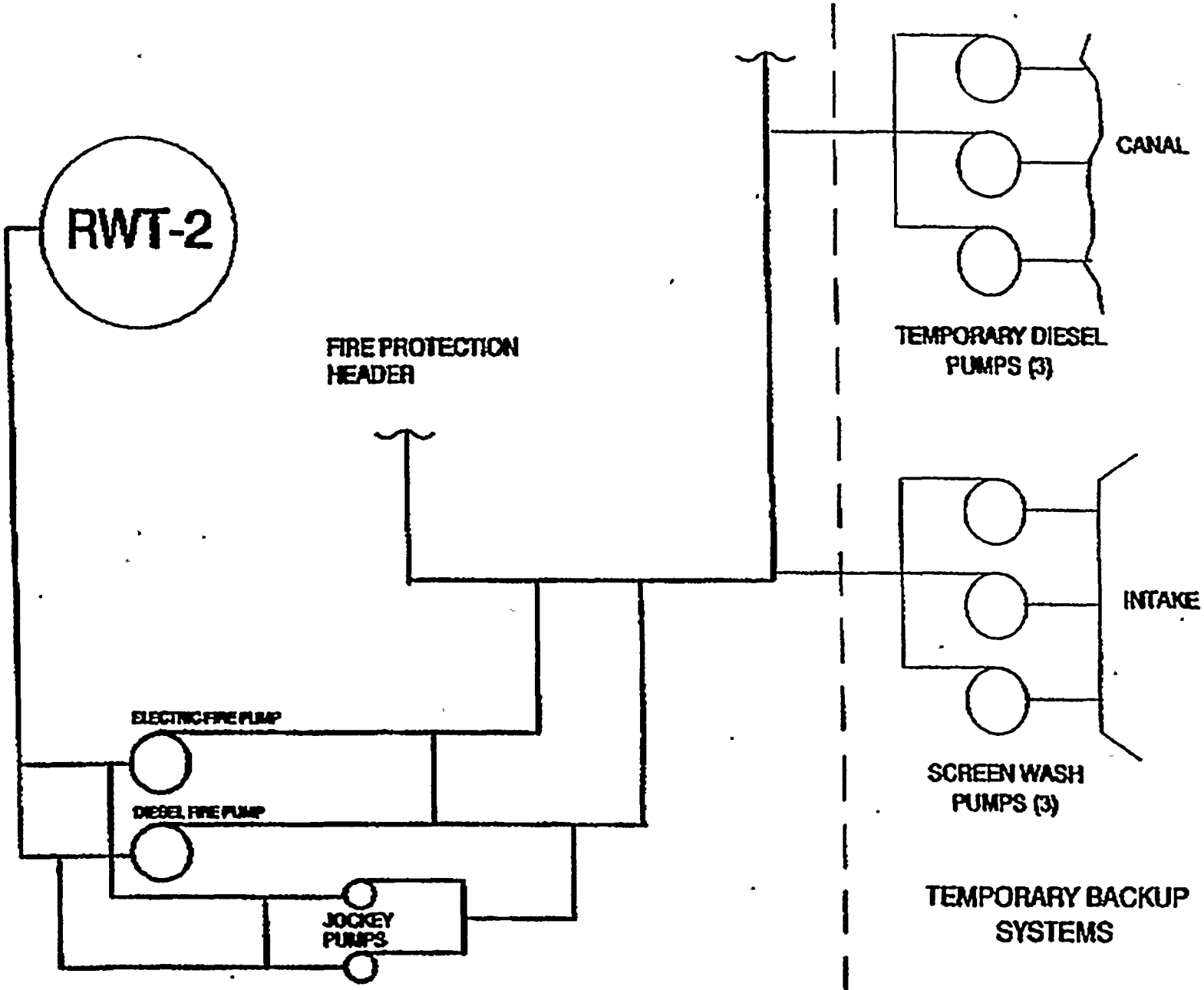
TURKEY POINT PLANT UNITS 1 THRU 4

INTERIM CONFIGURATION
FIRE PROTECTION SYSTEM
TANKS & PUMPS

JPN-PTN-SEMJ-92-034
ATTACHMENT 1
REV. 0

P0A00012.DWG

INTERIM RAW WATER/FIRE PROTECTION SYSTEM



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ATTACHMENT 2 REV. 0

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SUBJECT: TURKEY POINT PLANT UNITS 3 AND 4: FLORIDA POWER & LIGHT COMPANY

The following documents concerning our review of the subject facility are transmitted for your information.

✓	DESCRIPTION OF DOCUMENT	DATED
	Notice of Receipt of Application	
	Draft/Final Environmental Statement	
	Notice of Availability of Draft/Final Environmental Statement	
	Safety Evaluation Report, or Supplement No. _____	
	Environmental Assessment and Finding of No Significant Impact	
	Notice of Issuance of Environmental Assessment	
	Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License	
	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Conditions See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for June 1992 transmitted by Letter	06/30/92
	Annual/Semi-Annual Report: _____ transmitted by Letter	
	Other_____	

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	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for April 1992 transmitted by Letter	04/30/92
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other _____	

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	Exemption	
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	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for May 1992 transmitted by Letter	05/31/92
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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	Exemption	
	Construction Permit No. CPPR– _____, Amendment No. _____	
	Facility Operating License No. _____,Amendment No. _____	
	Order	
	Monthly Operating Report for _____transmitted by Letter	
X	Annual/Semi-Annual Report: 1991 Annual Radiological Environ Operating Rept. _____transmitted by Letter	04|28|92
	Other_____	

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	Exemption	
	Construction Permit No. CPPR— _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for November 1991 transmitted by Letter	12|13|91
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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	Exemption	
	Construction Permit No. CPPR– _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
	Monthly Operating Report for _____ transmitted by Letter	
X	Annual/Semi-Annual Report: Semiannual Radioactive Effluent Release Rept, Jul-Dec 1991 transmitted by Letter	
	Other_____	

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✓	DESCRIPTION OF DOCUMENT	DATED
	Notice of Receipt of Application	
	Draft/Final Environmental Statement	
	Notice of Availability of Draft/Final Environmental Statement	
	Safety Evaluation Report, or Supplement No. _____	
	Environmental Assessment and Finding of No Significant Impact	
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	Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License	
	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Considerations See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR– _____, Amendment No. _____	
	Facility Operating License No. _____,Amendment No. _____	
	Order	
X	Monthly Operating Report for March 1992 transmitted by Letter	04|15|92
	Annual/Semi-Annual Report: _____ _____transmitted by Letter	
	Other_____	

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L. Raghavan (Acting)

SUBJECT: TURKEY POINT UNITS 3 AND 4

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✓	DESCRIPTION OF DOCUMENT	DATED
	Notice of Receipt of Application	
	Draft/Final Environmental Statement	
	Notice of Availability of Draft/Final Environmental Statement	
	Safety Evaluation Report, or Supplement No. _____	
	Environmental Assessment and Finding of No Significant Impact	
	Notice of Issuance of Environmental Assessment	
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	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Conditions See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for February 1992 transmitted by Letter	03|12|92
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for January 1992 transmitted by Letter	2|14|92
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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	Exemption	
	Construction Permit No. CPPR– _____, Amendment No. _____	
	Facility Operating License No. _____,Amendment No. _____	
	Order	
X	Monthly Operating Report for December 1991 transmitted by Letter	1/15/92
	Annual/Semi-Annual Report: _____ _____transmitted by Letter	
	Other_____	

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The following documents concerning our review of the subject facility are transmitted for your information.

✓	DESCRIPTION OF DOCUMENT	DATED
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	Notice of Availability of Draft/Final Environmental Statement	
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	Notice of Issuance of Environmental Assessment	
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	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Considerations See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for October 1991 transmitted by Letter	11/15/91
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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Office of Nuclear Reactor Regulation

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SUBJECT: TURKEY POINT PLANT, UNITS 3 AND 4, FLORIDA POWER AND LIGHT COMPANY

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	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for September 1991 transmitted by Letter	10/14/91
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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Office of Nuclear Reactor Regulation

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SUBJECT: Turkey Point Plant, Units 3 and 4, Florida Power and Light Co.

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	Facility Operating License No. _____, Amendment No. _____	
	Order	
	Monthly Operating Report for _____ transmitted by Letter	
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
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ATTACHMENT

Semiannual Radioactive Effluent Release Report for Jan. - June 1991
Monthly Operating Reports for July 1991

cc: Chief
Division of Ecological Services
Bureau of Sport Fisheries & Wildlife
U.S. Department of the Interior
Washington, DC 20240

Dr. William Cunningham
FDA Research Chemist
National Institute of Standards
and Technology
Reactor Building 235, Room B-108
Gaithersburg, MD 20899

U.S. Environmental Protection Agency
Region IV Office
ATTN: Regional Radiation Representative
345 Courtland Street, NE
Atlanta, GA 30365

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July 24, 1991

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SUBJECT: TURKEY POINT PLANT, UNIT 3&4, FLORIDA POWER AND LIGHT

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	Exemption	
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	Facility Operating License No. _____,Amendment No. _____	
	Order	
X	Monthly Operating Report for May 1991 transmitted by Letter	6/17/91
	Annual/Semi-Annual Report: _____ _____transmitted by Letter	
	Other_____	

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SUBJECT: TURKEY POINT PLANT, UNIT 3 & 4, FLORIDA POWER AND LIGHT COMPANY

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	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for June 1991 transmitted by Letter	7/9/91
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for April 1991 transmitted by Letter	5/9/91
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
	Other_____	

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50-250-OLA-5

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SUBJECT: FLORIDA POWER AND LIGHT COMPANY - TURKEY POINT UNITS 3 AND 4

The following documents concerning our review of the subject facility are transmitted for your information.

✓	DESCRIPTION OF DOCUMENT	DATED
	Notice of Receipt of Application	
	Draft/Final Environmental Statement	
	Notice of Availability of Draft/Final Environmental Statement	
	Safety Evaluation Report, or Supplement No. _____	
	Environmental Assessment and Finding of No Significant Impact	
	Notice of Issuance of Environmental Assessment	
	Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License	
	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Conditions See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____,Amendment No. _____	
	Order	
	Monthly Operating Report for _____transmitted by Letter	
	Annual/Semi-Annual Report: _____ _____transmitted by Letter	
XX	Other Decision	

Office of Nuclear Reactor Regulation

Enclosures:
As Stated

cc: See next page

ACRS-1

OFFICE►	LA:PD22						
SURNAME►	DMiller						
DATE►	7/10/91						

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May 9, 1991

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JNorris
RAuluck

DOCKET NO(S). 50-335, 50-389
and 50-250 and 50-251

See attached list

SUBJECT: FLORIDA POWER & LIGHT GOMPANY - ST. LUCIE, UNITS 1 AND 2 - TURKEY POINT UNITS 3 & 4

The following documents concerning our review of the subject facility are transmitted for your information.

✓	DESCRIPTION OF DOCUMENT	DATED
	Notice of Receipt of Application	
	Draft/Final Environmental Statement	
	Notice of Availability of Draft/Final Environmental Statement	
	Safety Evaluation Report, or Supplement No. _____	
	Environmental Assessment and Finding of No Significant Impact	
	Notice of Issuance of Environmental Assessment	
	Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License	
	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Conditions See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
X	Monthly Operating Report for ~~St. Lucie-3/91 Turkey-3/91~~ transmitted by Letter	04/11/91 ~~04/12/91~~
X	Annual/Semi-Annual Report: St. Lucie-Radiological Engiron Oper. rept Jan-Dec 90 Turkey- Radiological Environ Oper Rept. transmitted by Letter	4/17/91 4/30/91
	Other_____	

~~Division of Reactor Projects - III~~
Office of Nuclear Reactor Regulation

Enclosures:
As Stated

cc: See next page

ACRS-1

OFFICE►	LA:PDII-2						
SURNAME►	DMiller						
DATE►	05/9/91						

NRC FORM 318 (10/80) NRCM 0240

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April 11, 1991

DOCKET NO(S). 50-250, 50-251, 50-280, 50-281, 50-302, 50-335, 50-338, 50-339, 50-389

SEE ATTACHED LIST

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BBuckley
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HSilver
JNorris

SUBJECT: VIRGINIA ELECTRIC & POWER COMPANY-NORTH ANNA UNITS 1 AND 2 - SURRY UNITS 1 AND 2, FLORIDA POWER CORPORATION - CRYSTAL RIVER 3, FLORIDA POWER AND LIGHT COMPANY-ST. LUCIE UNITS 1 AND 2, TURKEY POINT UNITS 3 AND 4

The following documents concerning our review of the subject facility are transmitted for your information.

✓	DESCRIPTION OF DOCUMENT	DATED
	Notice of Receipt of Application	
	Draft/Final Environmental Statement	
	Notice of Availability of Draft/Final Environmental Statement	
	Safety Evaluation Report, or Supplement No. _____	
	Environmental Assessment and Finding of No Significant Impact	
	Notice of Issuance of Environmental Assessment	
	Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License	
	Biweekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Conditions See Page(s)_____	
	Exemption	
	Construction Permit No. CPPR-- _____, Amendment No. _____	
	Facility Operating License No. _____, Amendment No. _____	
	Order	
	Monthly Operating Report for _____ transmitted by Letter	
	Annual/Semi-Annual Report: _____ _____ transmitted by Letter	
X	Other SEE ATTACHED LIST	

Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:
As Stated

cc: See next page

OFFICE►	LA:PDII-2						
SURNAME►	DMiller						
DATE►	04/11/91						

NRC FORM 318 (10/80) NRCM 0240

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Crystal River Unit 3
North Anna 1/2
Surry 1/2
St. Lucie 1/2
Turkey Point 3/4

cc: Chief
Division of Ecological Services
Bureau of Sport Fisheries & Wildlife
U. S. Department of the Interior
Washington, DC 20240

Dr. William Cunningham
FDA Research Chemist
National Institute of Standards
and Technology
Reactor Building 235, Room B-108
Gaithersburg, MD 20899

Regional Radiation Representative
EPA Region IV
345 Courtland Street, NE
Atlanta, GA 30365

U.S. Environmental Protection Agency
Region III Office
ATTN: Regional Radiation Representative
841 Chestnut Street
Philadelphia, PA 19107

LIST OF ATTACHED ENCLOSURES

1. Monthly Operating Report for Dec. 1990 -
   St. Lucie, Turkey Point, North Anna, Surry

2. Monthly Operating Report for Jan. 1991 -
   St. Lucie, Turkey Point, North Anna, Surry,
   Crystal River

3. Monthly Operating Report for Feb. 1991 -
   Surry, North Ann, Turkey Point, St. Lucie

4. "Combined Semiannual Radioactive Effluent Release Rept
   for Period Jul-Dec 1990." - St. Lucie

5. "Semiannual Radioactive Effluent Release Rept Jul-Dec 1990."
   Turkey Point

6. "Semiannual Radioactive Effluent Release Rept for Jul-Dec 1990."
   Crystal River

7. "Semiannual Radioactive Effluent Release Rept for Jul-Dec 1990."
   Surry

8. "Radioactive Effluent Release Rept, North Anna Power Station,
   Jul-Dec 1990."

March 21, 1991

Docket Nos. 50-250, 50-251
50-335 and 50-389

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DMiller

Harold F. Reis, Esq.
Newman and Holtzinger, P.C.
1615 L Street, N.W.
Washington, D.C. 20036

Dear Mr. Reis:

SUBJECT: UPDATING THE MAILING LIST FOR THE TURKEY POINT PLANT, UNITS 3 AND 4, AND ST. LUCIE, UNITS 1 AND 2

I am in the process of updating the mailing list which the Nuclear Regulatory Commission maintains for the Turkey Point Plant, Units 3 and 4, and St. Lucie, Units 1 and 2. We currently have your address listed as above. If the above address is incorrect, would you please provide any corrections to me at the following address:

Deborah A. Miller, Licensing Assistant
Project Directorate II-2, NRR
MS 14H22
U.S. Nuclear Regulatory Commission
Washington, DC 20555

I would appreciate receiving any corrections by April 17, 1991. Thank you for your cooperation.

Sincerely,

/s/

Deborah A. Miller, Licensing Assistant
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

OFC	LA:PD22				
NAME	DMiller				
DATE	3/21/91				

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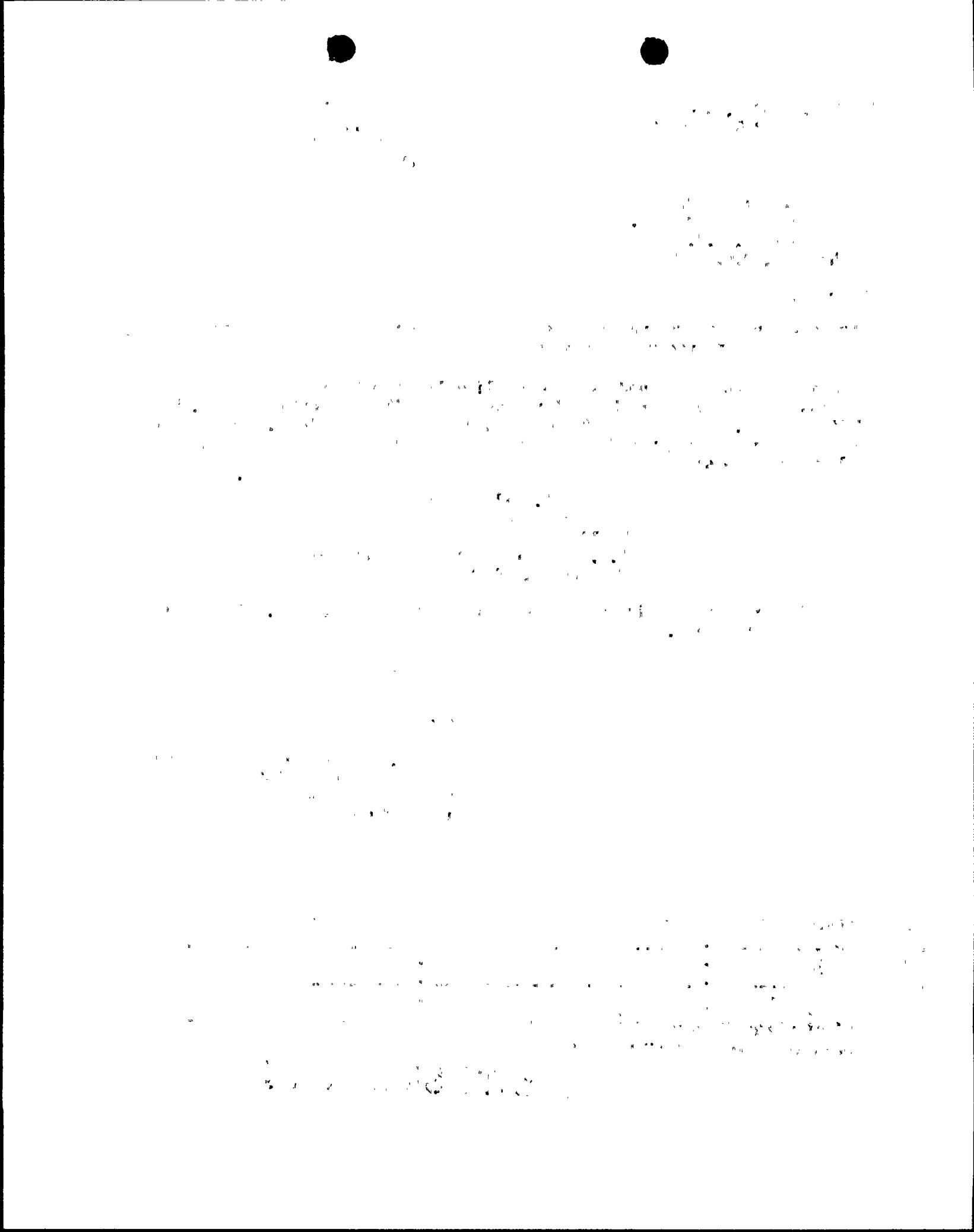

March 21, 1991

Docket Nos. 50-250
and 50-251

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John T. Butler, Esq.
Steel, Hector and Davis
4000 Southeast Financial Center
Miami, Florida 33131-2398

Dear Mr. Butler:

SUBJECT: UPDATING THE MAILING LIST FOR THE TURKEY POINT PLANT, UNITS 3 AND 4

I am in the process of updating the mailing list which the Nuclear Regulatory Commission maintains for the Turkey Point Plant, Units 3 and 4. We currently have your address listed as above. If the above address is incorrect, would you please provide any corrections to me at the following address:

Deborah A. Miller, Licensing Assistant
Project Directorate II-2, NRR
MS 14H22
U.S. Nuclear Regulatory Commission
Washington, DC 20555

I would appreciate receiving any corrections by April 17, 1991. Thank you for your cooperation.

Sincerely,

/s/

Deborah A. Miller, Licensing Assistant
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

OFC	LA:PD22				
NAME	DMiller				
DATE	3/12/91				

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March 21, 1991

Docket Nos. 50-250, 50-251
50-335 and 50-389

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DMiller

Mr. Jack Shreve
Office of the Public Counsel
Room 4, Holland Building
Tallahassee, Florida 32304

Dear Mr. Shreve:

SUBJECT: UPDATING THE MAILING LIST FOR THE TURKEY POINT PLANT, UNITS 3 AND 4, AND ST. LUCIE, UNITS 1 AND 2

I am in the process of updating the mailing list which the Nuclear Regulatory Commission maintains for the Turkey Point Plant, Units 3 and 4, and St. Lucie, Units 1 and 2. We currently have your address listed as above. If the above address is incorrect, would you please provide any corrections to me at the following address:

Deborah A. Miller, Licensing Assistant
Project Directorate II-2, NRR
MS 14H22
U.S. Nuclear Regulatory Commission
Washington, DC 20555

I would appreciate receiving any corrections by April 17, 1991. Thank you for your cooperation.

Sincerely,

/s/

Deborah A. Miller, Licensing Assistant
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

OFC	LA:PD22				
NAME	DMiller				
DATE	3/21/91				

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March 21, 199

Docket Nos. 50-302, 50-250,
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Administrator
Department of Environmental
Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, Florida 32301

To Whom It May Concern:

SUBJECT: UPDATING THE MAILING LIST FOR THE CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT, TURKEY POINT UNITS 3 AND 4, AND ST. LUCIE, UNITS 1 AND 2

I am in the process of updating the mailing list which the Nuclear Regulatory Commission maintains for the Crystal River Unit 3 Nuclear Generating Plant, Turkey Point, Units 3 and 4, and St. Lucie, Units 1 and 2. We currently have your address listed as above. If the above address is incorrect, would you please provide any corrections to me at the following address:

Deborah A. Miller, Licensing Assistant
Project Directorate II-2, NRR
MS 14H22
U.S. Nuclear Regulatory Commission
Washington, DC 20555

I would appreciate receiving any corrections by April 17, 1991. Thank you for your cooperation.

Sincerely,

/s/

Deborah A. Miller, Licensing Assistant
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

OFC	LA:PD22				
NAME	DMiller				
DATE	3/21/91				

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March 21, 199[illegible]

Docket Nos. 50-250
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Intergovernmental Coordination
and Review
Office of Planning & Budget
Executive Office of the Governor
The Capitol Building
Tallahassee, Florida 32301

To Whom It May Concern:

SUBJECT: UPDATING THE MAILING LIST FOR THE TURKEY POINT PLANT, UNITS 3 AND 4, AND ST. LUCIE UNITS 1 AND 2

I am in the process of updating the mailing list which the Nuclear Regulatory Commission maintains for the Turkey Point Plant, Units 3 and 4, and St. Lucie, Units 1 and 2. We currently have your address listed as above. If the above address is incorrect, would you please provide any corrections to me at the following address:

Deborah A. Miller, Licensing Assistant
Project Directorate II-2, NRR
MS 14H22
U.S. Nuclear Regulatory Commission
Washington, DC 20555

I would appreciate receiving any corrections by April 17, 1991. Thank you for your cooperation.

Sincerely,

/s/

Deborah A. Miller, Licensing Assistant
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

OFC	LA:PD22				
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March 21, 1991

Docket Nos. 50-250
and 50-251

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DMiller

Joaquin Avino
County Manager of Metropolitan
Dade County
111 NW 1st Street, 29th Floor
Miami, FLorida 33128

Dear Mr. Avino:

SUBJECT: UPDATING THE MAILING LIST FOR THE TURKEY POINT PLANT, UNITS 3 AND 4

I am in the process of updating the mailing list which the Nuclear Regulatory Commission maintains for the Turkey Point Plant, Units 3 and 4. We currently have your address listed as above. If the above address is incorrect, would you please provide any corrections to me at the following address:

Deborah A. Miller, Licensing Assistant
Project Directorate II-2, NRR
MS 14H22
U.S. Nuclear Regulatory Commission
Washington, DC 20555

I would appreciate receiving any corrections by April 17, 1991. Thank you for your cooperation.

Sincerely,

/s/

Deborah A. Miller, Licensing Assistant
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

OFC	: LA:PD22	:	:	:	:
NAME	: DMiller	:	:	:	:
DATE	: 3/21/91	:	:	:	:

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