

January 17, 2001

Mr. Thomas F. Plunkett
President - Nuclear Division
Florida Power & Light Company
P. O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
TURKEY POINT, UNITS 3 AND 4, LICENSE RENEWAL APPLICATION

Dear Mr. Plunkett:

By letter dated September 8, 2000, Florida Power and Light (FPL), submitted for the Nuclear Regulatory Commission's (NRC) review an application pursuant to 10 CFR Part 54, to renew the operating license for Turkey Point Nuclear Plant, Units 3 and 4. The NRC staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete its safety review. Specifically, the enclosed questions relate to Section 2.4.2.8, "Emergency Diesel Generator Buildings"; Section 2.4.2.10, "Fire Rated Assemblies"; and Section 2.3.3.8, "Instrument Air."

Please provide a schedule by letter, electronic mail, or telephonically for the submittal of your responses within 30 days of the receipt of this letter. Additionally, the staff would be willing to meet with FPL prior to the submittal of the responses to provide clarifications of the staff's requests for additional information.

Sincerely,

/RA/

Rajender Auluck, Senior Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Program
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure: Request for Additional Information

cc w/encl: See next page

January 17, 2001

Mr. Thomas F. Plunkett
President - Nuclear Division
Florida Power & Light Company
P. O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
TURKEY POINT, UNITS 3 AND 4, LICENSE RENEWAL APPLICATION

Dear Mr. Plunkett:

By letter dated September 8, 2000, Florida Power and Light (FPL), submitted for the Nuclear Regulatory Commission's (NRC) review an application pursuant to 10 CFR Part 54, to renew the operating license for Turkey Point Nuclear Plant, Units 3 and 4. The NRC staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete its safety review. Specifically, the enclosed questions relate to Section 2.4.2.8, "Emergency Diesel Generator Buildings"; Section 2.4.2.10, "Fire Rated Assemblies"; and Section 2.3.3.8, "Instrument Air."

Please provide a schedule by letter, electronic mail, or telephonically for the submittal of your responses within 30 days of the receipt of this letter. Additionally, the staff would be willing to meet with FPL prior to the submittal of the responses to provide clarifications of the staff's requests for additional information.

Sincerely,

/RA/

Rajender Auluck, Senior Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Program
Office of Nuclear Reactor Regulation

Docket No. 50-250 and 50-251

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION: See next page

DOCUMENT NAME: G:\RLSBAULUCK\RAIS 2.4.2.WPD

OFFICE	LA:DRIP	PM:RLSB:DRIP	BC:RLSB:DRIP
NAME	EGHylton	RAuluck	CIGrimes
DATE	01/16/01	01/16/01	01/17/01

OFFICIAL RECORD COPY

DISTRIBUTION:

HARD COPY

RLSB RF

E. Hylton

E-MAIL:

PUBLIC

R. Zimmerman

J. Johnson

D. Matthews

S. Newberry

C. Grimes

C. Carpenter

B. Zalcman

J. Strosnider

R. Wessman

G. Bagchi

K. Manoly

W. Bateman

J. Calvo

J. Shea

G. Holahan

T. Collins

B. Boger

J. Peralta

J. Moore

R. Weisman

J. Euchner

M. Mayfield

S. Bahadur

A. Murphy

W. McDowell

S. Droggitis

N. Dudley

RLSB Staff

S. Hom

K. Jabbour

R. Correia

C. Julian (RII)

C. Casto (RII)

L. Wert (RII)

D. Skeen

S. Koenick

REQUEST FOR ADDITIONAL INFORMATION
TURKEY POINT UNITS 3 AND 4

Section 2.4.2.8

Emergency Diesel Generator Buildings

RAI 2.4.2.8-1: The discussion of emergency diesel generators on pages 5E-4 and 5E-5 in the UFSAR Appendix 5E - Missile Protection Criteria, states that several safety related components, including the Unit 3 EDG fuel oil storage tank, associated solenoid valves, both Unit 3 diesel fuel transfer pumps, and associated piping are not missile protected. It further states that if the transfer pumps become non-functional due to external missile damage, the fuel oil day tanks contain sufficient inventory to allow operation of the Unit 3 EDGs until a mobile fuel oil tank could supply additional fuel oil to the EDGs. It is also possible to cross-connect the Unit 4 transfer pumps and diesel fuel storage tanks to the Unit 3 EDG day tanks. However, according to the drawings submitted with the LRA (3-EDG-03 and 4-EDG-03), neither the truck fill piping nor the Unit 4 cross-tie piping are safety related (labeled as quality group D on the drawing). Thus, it could be postulated that a design basis tornado could damage enough equipment to preclude supplying additional fuel to the Unit 3 EDGs. Estimating that a Unit 3 EDG loaded at 1000 kW uses about 75 gallons of fuel per hour, there is enough fuel in the skid tank (275 gal) and the day tank (4,000 gal) for approximately 56 hours. Following a major storm, the EDG may need to run for a much longer period of time. Please provide the basis for excluding the equipment and piping described above from the scope of license renewal.

Section 2.4.2.10

Fire Rated Assemblies

RAI 2.4.2.10-1: Fire rated assemblies include fire barriers (Thermo-lag), fire doors, fire dampers, penetration seals, and electrical conduit seals. Because of longstanding issues with Thermo-lag, the licensee has a corrective action program in place to restore all Thermo-lag barriers to comply with Appendix R, and is scheduled to have all corrective actions completed by December 31, 2001. Table 3.6-12 of the LRA indicates that Thermo-lag in an outdoor environment is subject to aging affects (loss of material) and will be managed under the Fire Protection Program (UFSAR Appendix 9.6A). However, Appendix 9.6A does not provide details on how the Thermo-lag fire barriers will be monitored or inspected for aging effects. Please explain how the restored Thermo-lag barriers will be monitored for aging effects.

RAI 2.4.2.10-2: Fire assemblies are described in UFSAR Appendix 9.6A, Sections 3.11-3.15. Section 3.11.2.1a) states that "...Thermo-lag thickness per engineering design output" provides a fire barrier with a minimum fire rating of 3 hours. Since Thermo-lag in outdoor applications can suffer loss of material, is this loss of material taken into consideration when determining the correct amount of Thermo-lag to apply in order to provide a minimum fire rating of 3 hours for the extended life of the plant?

Section 2.3.3.8

Instrument Air

RAI 2.3.3.8-1: LRA Drawing 4-IA-01 shows “Instrument Air Compressor No.4S” connected to the instrument air header. The instrument air header is identified as being within the scope of license renewal, but not the compressor and associated piping. There is no discussion of this compressor in the UFSAR Section 9.17. Please describe the function of compressor No. 4S and the basis for excluding the compressor and associated piping from the scope of license renewal.

Florida Power & Light Company

Mr. S. Ross, Attorney
Florida Power & Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

Mr. Robert J. Hovey, Site
Vice President
Turkey Point Nuclear Plant
Florida Power and Light Company
9760 SW. 344th Street
Florida City, Florida 33035

County Manager
Miami-Dade County
111 NW 1 Street, 29th Floor
Miami, Florida 33128

Senior Resident Inspector
Turkey Point Nuclear Plant
U.S. Nuclear Regulatory Commission
9762 SW. 344th Street
Florida City, Florida 33035

Mr. William A. Passetti, Chief
Department of Health
Bureau of Radiation Control
2020 Capital Circle, SE, Bin #C21
Tallahassee, Florida 32399-1741

Mr. Joe Myers, Director
Division of Emergency Preparedness
Department of Community Affairs
2740 Centerview Drive
Tallahassee, Florida 32399-2100

Mr. Robert Butterworth
Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304

Mr. Donald Jernigan
Plant Manager
Turkey Point Nuclear Plant
Florida Power and Light Company
9760 SW. 344th Street
Florida City, Florida 33035

Turkey Point Nuclear Plant

Mr. Steve Franzone
Licensing Manager
Turkey Point Nuclear Plant
Florida Power & Light Company
9760 SW. 344th Street
Florida City, Florida 33035

Mr. J.A. Stall
Vice President - Nuclear Engineering
Florida Power & Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

Mr. Douglas J. Walter
Nuclear Energy Institute
1776 I Street NW
Suite 400
Washington, D.C. 20006

Mr. Stephen T. Hale
Turkey Point Nuclear Plant
Florida Power & Light Company
9760 S.W. 344 Street
Florida City, Florida 33035

Ms. Joette Lorion
13015 SW 90 Court
Miami, Florida 33176

Ms. E.A. Thompson
Project Manager for License Renewal
Turkey Point Nuclear Plant
Florida Power and Light Company
9760 SW 344th Street
Florida City, Florida 33035

Mr. Mark P. Oncavage
12200 S.W. 110th Avenue
Miami, Florida 33176-4520