



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

December 7, 1992

Docket Nos.: 50-250
and 50-251

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

Dear Mr. Goldberg:

SUBJECT: TURKEY POINT UNITS 3 AND 4 - EVALUATION OF SWING BUS TRANSFER
SCHEME (TAC NOS. M82839 AND M82840)

Under the Emergency Power System Enhancement Project, you have installed two new safety-related 480-volt load centers at each unit. These load centers can be powered (i.e., swing bus) from either train A or B of the emergency power system via an automatic bus transfer scheme.

By letter dated May 5, 1992, you provided a response to our request for additional information on transfer logic and design features of the swing bus to assure that the redundant power sources remain independent and no single failure vulnerability exists with its transfer scheme when supplying the swing bus.

We have reviewed your response and find that interlocks have been provided to prevent paralleling both trains together, the breakers have been coordinated to provide selective tripping for overcurrent protection and blocking the transfer in case of a swing bus fault, and each power supply is routed in separate dedicated raceways to preclude failure of one power supply (ac and dc) from affecting the other. In addition, to demonstrate that the single failure of critical components of the transfer scheme does not affect redundant trains or the ability to perform safe shutdown function, you performed a Circuit and/or Component Failure Effects Analysis (C/CFEA). The results of the C/CFEA have identified no single failure-related problems.

9212220391 921207
PDR ADOCK 05000250
P PDR

NOV 10 1992

110



11-11-11

11-11-11

11-11-11

Mr. J. H. Goldberg

- 2 -

December 7, 1992

Based on our review of your submittal, we concur with you that there is a reasonable assurance for the independence of redundant power sources when supplying the swing bus.

This completes our effort on TAC Nos. M82839 and M82840.

Sincerely,

(Original Signed By)

L. Raghavan, Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: C. Berlinger
P. Kang

Distribution

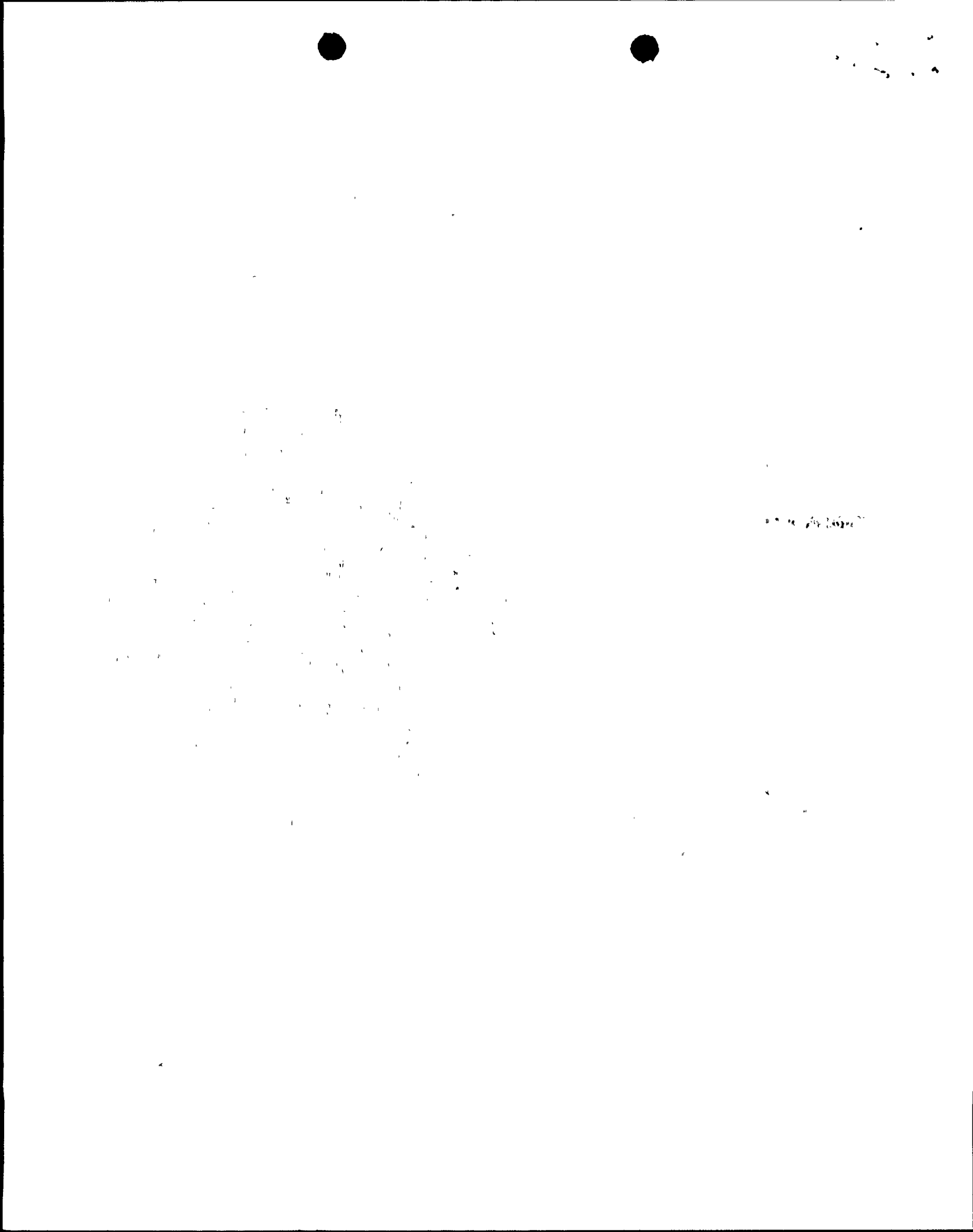
~~Docket File~~
NRC & Local PDRs
PD II-2 Reading File
S. Varga
G. Lainas
H. Berkow
E. Tana
L. Raghavan
OGC
ACRS (10)
M. Sinkule, RII

cc: Plant Service list

OFFICE ~~EA~~ PDII-2
NAME D. Miller
DATE 12/3/92

PM: PDII-2
L. Raghavan
12/4/92

D: PDII-2
H. Berkow
12/7/92



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

Turkey Point Plant

cc:
Harold F. Reis, Esquire
Newman and Holtzinger, P.C.
1615 L Street, N.W.
Washington, DC 20036

Administrator
Department of Environmental
Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, Florida 32301

Jack Shreve, Public Counsel
Office of the Public Counsel
c/o The Florida Legislature
111 West Madison Avenue, Room 812
Tallahassee, Florida 32399-1400

Regional Administrator,
Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W. Suite 2900
Atlanta, Georgia 30323

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

Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304

Mr. Thomas F. Plunkett, Site
Vice President
Turkey Point Nuclear Plant
Florida Power and Light Company
P.O. Box 029100
Miami, Florida 33102

Plant Manager
Turkey Point Nuclear Plant
Florida Power and Light Company
P.O. Box 029100
Miami, Florida 33102

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

Mr. R. E. Grazio
Director, Nuclear Licensing
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

Senior Resident Inspector
Turkey Point Nuclear Generating
Station
U.S. Nuclear Regulatory Commission
P.O. Box 1448
Homestead, Florida 33090

Mr. Jacob Daniel Nash
Office of Radiation Control
Department of Health and
Rehabilitative Services
1317 Winewood Blvd.
Tallahassee, Florida 32399-0700

Mr. Robert G. Nave, Director
Emergency Management
Department of Community Affairs
2740 Centerview Drive
Tallahassee, Florida 32399-2100