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 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

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 GOLDBERG, J.H. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Responds to NRC Bulletin 89-003, "Potential Loss of Required Shutdown Margin During Refueling Operations."

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 TITLE: Bulletin 89-03, Potential Loss of Required Shutdown Margin During Refu

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FPL

P.O. Box 14000, Juno Beach, FL 33408-0420

JANUARY 23 1990

L-90-09
10 CFR 50.54(f)

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
NRC Bulletin 89-03

On November 21, 1989 the NRC issued NRC Bulletin 89-03, "Potential Loss of Required Shutdown Margin During Refueling Operations", to alert licensees to the potential loss of required shutdown margin during movement and placement of highly reactive fuel during refueling operations.

In addition, the bulletin requested all licensees to review procedures and training to assure adequate shutdown margin is maintained during all refueling operations.

Florida Power & Light Company has completed the requested review for our Turkey Point Units and provides the attached response pursuant to 10 CFR 50.54(f).

Very truly yours,

J. H. Goldberg
J. H. Goldberg

Executive Vice President

JHG/GRM/rh

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

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PDR ADOCK 05000250
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Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
NRC Bulletin 89-03 Response

NRC Bulletin 89-03 "Potential Loss of Required Shutdown Margin During Refueling Operations".

Action 1

Assure that any intermediate fuel assembly configuration (including control rods) intended to be used during refueling is identified and evaluated to maintain sufficient refueling boron concentration to result in a minimum shutdown margin of approximately 5%.

Response

Turkey Point Units 3 and 4 will use a Fuel Assembly Storage Table (FAST) that identifies which assemblies can be temporarily stored in what locations during a core reload and still maintain the 5% shutdown margin. The FAST will be provided by Westinghouse as part of the reload design process starting with Unit 3, Cycle XII. This refueling outage is scheduled to start in February 1990.

Action 2

Assure that fuel procedures only allow those intermediate fuel assembly configurations that do not violate the allowable shutdown margin and that these procedures are strictly adhered to.

Response

Plant procedures are being changed to address the use of the FAST. These procedures changes will be completed and implemented by March 15, 1990 and prior to fuel movement. Compliance with these procedures will assure maintenance of the 5% shutdown margin.

Action 3

Assure that the staff responsible for refueling operations is trained in the procedures recommended in Item 2 above and understand the potential consequences of violating these procedures. This training should include fundamental aspects of criticality control with higher enriched fuel assemblies.

Response

Plant personnel involved in refueling operations and responsible for maintaining the inverse count rate plot during the performance of a core refueling will be briefed on the criticality concerns and the use of the FAST by March 15, 1990.

STATE OF FLORIDA)
)
COUNTY OF PALM BEACH) ss.

J. H. Goldberg being first duly sworn, deposes and says:

That he is an Executive Vice President, of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information and belief, and that he is authorized to execute the document on behalf of said Licensee.

J. H. Goldberg
J. H. Goldberg

Subscribed and sworn to before me this

23 day of January, 1990.

Robert J. Economy

NOTARY PUBLIC, in and for the County of
Palm Beach, State of Florida

My Commission expires Notary Public, State of Florida
My Commission Expires June 1, 1993
Bonded thru Troy Fain - Insurance Inc.