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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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SUBJECT: Forwards revised NSHC determination to support 920421
application for amends to Licenses DPR-31 & DPR-41, changing
TS re 480-volt load ctrs degraded voltage protection
schemes.

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MAY 19 1992

L-92-153
10 CFR 50.90

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


Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Proposed License Amendments: 480 Volt Load Centers Degraded
Voltage Protection Scheme

By letter L-92-097, dated April 21, 1992, Florida Power and Light Company (FPL) submitted a request to amend the Turkey Point Technical Specifications. In response to a discussion between FPL and the staff on May 12, 1992, the attached revised no significant hazards consideration (NSHC) determination is provided. This no significant hazards consideration determination supercedes in its entirety the NSHC transmitted in letter L-92-097.

Should there be any questions, please contact us.

Very truly yours,


W. H. Bohlke
Vice President
Nuclear Engineering and Licensing

WHB/RJT/rt
Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant
Mr. Jacob Daniel Nash, Florida Department of Health and
Rehabilitative Services

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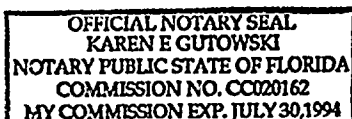
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STATE OF FLORIDA)
) ss.
COUNTY OF PALM BEACH)

W. H. Bohlke being first duly sworn, deposes and says:

That he is Vice President, Nuclear Engineering and Licensing, of
Florida Power and 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.



W. H. Bohlke
W. H. Bohlke

Subscribed and sworn to before me this

19th day of May, 1992.

Karen E. Gutowski

KAREN E. GUTOWSKI

Name of Notary Public. (Type or Print)

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

My Commission expires July 30, 1994
Commission No. CC020162

W. H. Bohlke is personally known to me.

DETERMINATION OF NO SIGNIFICANT HAZARDS CONSIDERATION

The Commission has provided standards for determining whether a significant hazards consideration exists (10 CFR 50.92(c)). A proposed amendment to an operating license for a facility involves no significant hazards consideration, if operation of the facility in accordance with the proposed amendment would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety. FPL has determined that:

1. operation of the facility in accordance with the proposed amendment would not involve a significant increase in the probability or consequences of an accident previously evaluated.

The proposed change does not revise any equipment requirements or any plant operating parameters required to provide undervoltage protection. The equipment configuration for the 480 Volt load center degraded voltage protection scheme coincident with safety injection will not change. The addition of the definite time delay relays to the 480 Volt load center (non-safety injection) degraded voltage protection scheme, are better suited to maintaining the required settings, thereby enhancing the ability to detect a degraded voltage condition at the required setpoint. As such, the 480 Volt load center degraded voltage protection scheme will continue to assure the capability to detect degraded voltage on any of the load center buses and, in response to a significant degraded voltage condition, to initiate a signal to the sequencers to transfer power from off-site power to on-site power sources. Therefore, the proposed change does not increase the probability or consequences of accidents previously analyzed.

2. operation of the facility in accordance with the proposed amendment would not create the possibility of a new or different kind of accident from any accident previously evaluated.

The proposed change does not change the operation, function or modes of plant or equipment operation. The ability of the 480 Volt load center degraded voltage protection scheme to detect degraded voltage on any of the load center buses and, in response to a significant degraded voltage condition, initiate a signal to the sequencers to transfer power from off-site power to on-site power sources is maintained. No new hazards are created or postulated which may cause an accident different from any accident previously analyzed. Also, the definite time delay relays are proven for reliable service in the industry and, as such, do not create any new failure modes

in themselves or for the load center protected circuit. Therefore, the proposed change does not create the possibility of a new or different kind of accident from any previously evaluated.

3. operation of the facility in accordance with the proposed amendment would not involve a significant reduction in a margin of safety.

The ability of the 480 Volt load center degraded voltage protection scheme to perform its detection and actuation functions is confirmed by existing surveillance requirements. Installation of the definite time delay relays will enhance the ability to detect a degraded voltage condition at the required setpoints and to actuate the sequencer trip logic in sufficient time to assure motor protection. Also, the associated bases are not affected and the existing degraded voltage setpoint values are not changed. Therefore, the proposed amendment does not involve a reduction in the margin of safety.

Based on the above, FPL has determined that the proposed license amendments request does not (1) involve a significant increase in the probability or consequences of an accident previously evaluated, (2) create the possibility of a new or different kind of accident from any accident previously evaluated, or (3) involve a significant reduction in a margin of safety; and therefore does not involve a significant hazards consideration as defined in 10 CFR 50.92.

