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 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
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 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Forwards response to 830902 ltr re NUREG-0737,
 Item III.D.3.4, "Control Room Habitability." Two outstanding
 concerns re lack of redundancy for isolation damper &
 emergency supply fan addressed.

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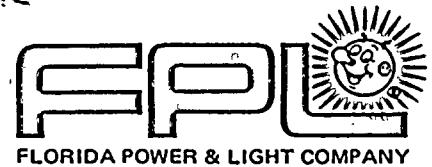
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November 3, 1983
L-83-552

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactor Branch #1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Varga:

Re: TURKEY POINT UNITS 3 & 4
DOCKET NOS. 50-250 & 50-251
CONTROL ROOM HABITABILITY
NUREG-0737, III D.3.4

In response to your letter of September 2, 1983, attached is FPL's proposal for resolving the Control Room Habitability issue, TMI Action Item No. III D.3.4. The modifications proposed in the attachment fully address your remaining concerns regarding Control Room Habitability and provide additional assurance that the system will function as required following an accident condition. Our commitment to make these modifications is contingent upon favorable NRC staff review and issuance of a complete safety evaluation report on Item III D.3.4. Upon receipt of the final safety evaluation, FPL will be available to meet with your Project Manager to review plant priorities and determine a reasonable schedule for engineering and construction of the necessary modifications.

If additional information is required, please contact us.

Very truly yours,

J.W. Williams
Vice President
Nuclear Energy

REU/GJK/ mp
Attachment

cc: J.P. O'Reilly, Region II
Harold F. Reis, Esquire

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PDR ADOCK 05000250
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ATTACHMENT

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Control Room Habitability

By letter dated September 2, 1983, the NRC requested that FPL address the two outstanding concerns relating to lack of redundancy for isolation damper (D-1) and the emergency supply fan (SF-1). The following presents the NRC staff positions and FPL's response.

NRC Position

"We have reviewed damper D-1 against the seven criteria of Standard Review Plan (SRP) Section 6.4, Appendix A, of NUREG-0800 and find that criterion 6 is not met. Criterion 6 states that GDC-19 dose limits must be met even assuming a two hour delay in manually positioning a non-redundant damper. We require, therefore, that a redundant normal intake isolation damper be installed."

FPL Response

FPL proposes to install an additional normal intake isolation damper that will provide redundant operation for damper D-1. Automatic actuation of this new damper will be identical to damper D-1 and will positively ensure isolation of the normal air intake upon accident conditions.

NRC Position

"The design incorporating single supply fan SF-1 would be acceptable if this supply fan could be turned by either of two electric motors, each of which was powered by separate essential buses. Alternatively, it will be necessary to submit for our review an analysis and system performance data demonstrating that GDC-19 is met given the failure of SF-1 to turn on."

FPL Response

FPL proposes to install a redundant emergency supply fan and motor. This fan, powered from a separate essential bus, will have manual control capability from the control room. This fan will only be relied upon in the highly unlikely event that fan SF-1 fails to operate, and thus automatic controls are not considered necessary.

