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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
 AUTH. NAME: UHRIG, R. E. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIP. NAME: VARGA, S. A. RECIPIENT AFFILIATION: Operating Reactors Branch 1

SUBJECT: Forwards Rev 1 to "Containment Isolation/Purge Valve Analysis: 48-Inch RIA W/Bettis Actuator" & Rev 1 to "Containment Isolation/Purge Valve Analysis: 54-Inch RIA Valve W/Pratt 2 Plate Cylinder Operator."

SEE REPTS. # 83 03110292

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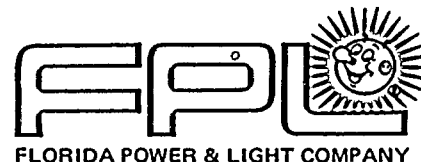
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March 4, 1983
L-83-120

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors 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
Containment Purge Valve Operability

Your letter of February 16, 1983 concerning purge valve operability requested that we inform you in writing about the following two items:

1. Our assessment of the operability of our large-diameter Pratt purge and vent valves in light of the concerns outlined in Enclosure 1; and
2. Whether or not we intend to maintain the purge and vent valves sealed closed in accordance with Standard Review Plan Section 6.2.4, 11.6.f and to verify them to be closed every 31 days whenever the reactor is not in the cold shutdown or refueling mode until such time as we submit acceptable information that demonstrates that our large-diameter Pratt purge-vent valves will operate in the event of a DBA-LOCA.

In response to item 1 above, concerning non-uniform approach flow to the 54" and 48" containment purge valves, we submit Revision 1 to the Henry Pratt Stress Reports originally dated July 28, 1980 and June 27, 1980, respectively. These reports were not included in our submittal of September 17, 1983. Revision 1 to the Stress Reports considers non-uniform approach flow due to a 90° elbow (upstream) oriented 90° out-of-plane with respect to the valve shaft and leading edge of disc closing toward outer wall of elbow. This is the worst case condition and is noted on page 3 of the Revision 1 analyses. The maximum torques calculated for the valves positioned between their blocked angles (30° and 35° respectively) and fully closed (0) are provided in Attachment 3 of the Revision 1 analyses. The torques used in the Henry Pratt seismic stress analyses dated August 20, 1982 and August 17, 1982, respectively, are taken from Attachment 3 of the Revision 1 analyses. These seismic stress analyses are the documents on which you base concerns in your February 16, 1983 letter. Please note that the stresses given in Attachment 2 to the Revision 1 analyses are based on operation of the valve between fully open and fully closed and are therefore not applicable to your concerns.

Based on the enclosed Revision 1 analyses the uncertainties in the calculated values for shaft stress are minimal. Consequently, the margins between the calculated shaft stresses and code allowable are adequate to qualify the subject valves (in blocked position) for closure during a DBA-LOCA.

Add: NRR Fields
NRR Reeves, E.

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PEOPLE... SERVING PEOPLE

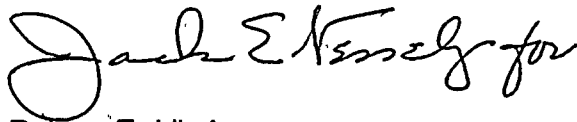
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Page 2
Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Containment Purge Valve Operability

We consider this transmittal as acceptable information demonstrating valve operability and intend to continue operating the subject valves in conformance with our interim position previously described to you (i.e., limited purging and limited valve opening angle). Therefore, in response to item 2, we do not intend to maintain the purge and vent valves sealed closed in the manner described in your letter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert E. Uhrig for".

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/PKG/DJF/cab

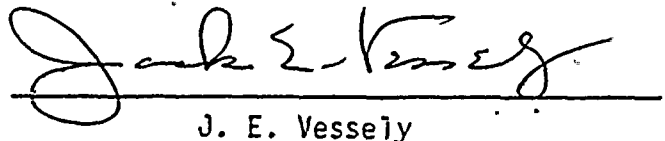
Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire
PNS-LI-83-150-1

STATE OF FLORIDA)
)
COUNTY OF DADE) ss.

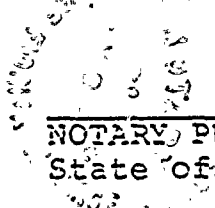
J. E. Vessely, being first duly sworn, deposes and says:
That he is a Director of Florida Power &
Light Company, the licensee herein;

That he has executed the foregoing document; that the state-
ments made in this said 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


J. E. Vessely

Subscribed and sworn to before me this

4th day of March, 1983

 Cheryl I. Fredrick
NOTARY PUBLIC, in and for the County of Dade,
State of Florida

My commission expires: Notary Public, State of Florida at Large
My Commission Expires October 30, 1983
Bonded thru Maynard Bonding Agency

