



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

September 23, 2009

Mr. Mano Nazar  
Senior Vice President Nuclear  
and Chief Nuclear Officer  
Florida Power and Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

SUBJECT: TURKEY POINT NUCLEAR PLANT, UNITS 3 AND 4 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING UPDATE TO NUCLEAR  
REGULATORY COMMISSION REACTOR VESSEL INTEGRITY DATABASE  
AND EXEMPTION REQUEST FOR ALTERNATIVE MATERIAL PROPERTIES  
BASES (TAC NOS. ME1007 AND ME1008)

Dear Mr. Nazar:

By letter dated March 18, 2009, Florida Power and Light submitted an update to the Nuclear Regulatory Commission's (NRC's) Reactor Vessel Integrity Database to document the results of the most recent Title 10 of the *Code of Federal Regulations*, Section 50.61, Pressurized Thermal Shock screening calculations and Nil Ductility Transition Reference Temperature values.

The NRC staff has reviewed the Turkey Point Unit 3 and 4 information and has determined that additional information is required to complete the review.

If you have any questions, please contact me at (301) 415-2020.

Sincerely,

*Parideh E. Sobh*

*for*

Brenda Mozafari, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure: Request for Additional Information

cc: Distribution via ListServ

REQUEST FOR ADDITIONAL INFORMATION  
UPDATE TO NUCLEAR REGULATORY COMMISSION (NRC)  
REACTOR VESSEL INTEGRITY DATABASE AND  
EXEMPTION REQUEST FOR ALTERNATIVE MATERIAL PROPERTIES BASES  
TURKEY POINT NUCLEAR PLANT UNITS 3 AND 4  
DOCKET NUMBERS 50-250 AND 50-251

Section 3.1 of Attachment 1 to L-2009-023 states that new reactor pressure vessel fluence projections have been calculated with current data. Please describe the methodology used to perform this calculation, and address its adherence to NRC Regulatory Guide 1.190, "Calculation and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence."

Enclosure

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**/RA FSaba for/**

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NAME	JPaige	FSaba for BMozafari	BClayton 09/22/09	GCranston memo dated	TBoyce
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