



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

August 2, 2012

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

SUBJECT: TURKEY POINT NUCLEAR GENERATING UNIT NO. 3 – LICENSE
CONDITION 3.J.1, "EXTENDED POWER UPRATE MODIFICATIONS,"
REGARDING SPENT FUEL POOL SUPPLEMENTAL HEAT EXCHANGERS
(TAC NO. ME9003)

Dear Mr. Nazar:

On June 15, 2012, the U. S. Nuclear Regulatory Commission (NRC) issued Extended Power Uprate Amendments 249 and 245 for Renewed Facility Operating Licenses DPR-31 and DPR-41 for Turkey Point Nuclear Generating (TPN) Unit Nos. 3 and 4, respectively. The amendments included license conditions 3.J.1 for Unit 3 and 3.K.1 for Unit 4, "Extended Power Uprate Modifications." These license conditions state:

Prior to completion of the Cycle 26 [27] refueling outage for Unit 3 [4], the licensee shall provide confirmation to the NRC staff that the design and structural integrity evaluations associated with the modifications related to the spent fuel pool supplemental heat exchangers are complete, and that the results demonstrate compliance with appropriate UFSAR [Updated Final Safety Analysis Report] and code requirements. As part of the confirmation, the licensee shall provide a summary of the structural qualification results of the piping, pipe supports, supplemental heat exchanger supports, and the inter-tie connection with the existing heat exchanger for the appropriate load combinations along with the margins.

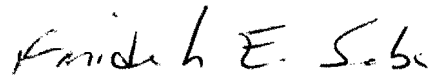
By letter dated June 19, 2012, Florida Power & Light (the licensee) submitted a summary of the structural qualification results of the piping, pipe supports, supplemental heat exchanger supports, and inter-tie connection with the existing heat exchanger for appropriate load combinations along with margins for TPN Unit 3. The licensee, in its submittal, confirmed that the design and structural integrity evaluations associated with TPN Unit 3 modifications related to the spent fuel pool supplemental heat exchanger had been completed and concluded that the results demonstrated compliance with appropriate UFSAR and code requirements.

The NRC staff reviewed the information provided in the licensee's letter dated June 19, 2012, and determined that the nozzle loads for the inlet and outlet nozzles for the new spent fuel pool heat exchanger (SFP HX), and the valve accelerations for the main process isolation valves and the cross-tie valves were not addressed by the licensee. Therefore, via an e-mail dated July 2, 2012, the NRC staff requested the licensee provide the summary for (i) nozzle loads for the applicable load combinations along with the allowable nozzle loads, and the margins, and (ii) computed valve accelerations for seismic loading (operating-basis earthquake and safe-shutdown earthquake) and the allowable limits. The NRC staff's request for additional information was also discussed during a conference call between the NRC staff and the licensee on July 3, 2012.

In its response dated July 13, 2012, the licensee provided the requested additional information for TPN Unit 3. The NRC staff reviewed the summary of the nozzle loads for the new SFP HX, and valve accelerations. The NRC staff finds this summary information acceptable because the nozzle loads and valve accelerations meet the respective acceptance limits with adequate margins. This concludes the NRC staff reviews associated with License Condition 3.J.1 for TPN Unit 3. Therefore, TAC No. ME9003 will be closed.

If you have any questions, please contact me at 301-415-1447 or via e-mail at Farideh.Saba@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Farideh E. Saba".

Farideh E. Saba, 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

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M. Nazar

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The NRC staff reviewed the information provided in the licensee's letter dated June 19, 2012, and determined that the nozzle loads for the inlet and outlet nozzles for the new spent fuel pool heat exchanger (SFP HX), and the valve accelerations for the main process isolation valves and the cross-tie valves were not addressed by the licensee. Therefore, via an e-mail dated July 2, 2012, the NRC staff requested the licensee provide the summary for (i) nozzle loads for the applicable load combinations along with the allowable nozzle loads, and the margins, and (ii) computed valve accelerations for seismic loading (operating-basis earthquake and safe-shutdown earthquake) and the allowable limits. The NRC staff's request for additional information was also discussed during a conference call between the NRC staff and the licensee on July 3, 2012.

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If you have any questions, please contact me at 301-415-1447 or via e-mail at Farideh.Saba@nrc.gov.

Sincerely,

/RA/

Farideh E. Saba, 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

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