

## TurkeyPointRAIsPEm Resource

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**From:** Comar, Manny  
**Sent:** Monday, October 03, 2011 3:10 PM  
**To:** TurkeyPointRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 039 RELATED TO SRP  
SECTION 08.03.01 FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE  
APPLICATION  
**Attachments:** PTN-RAI-LTR-039.doc

**Hearing Identifier:** TurkeyPoint\_COL\_eRAIs  
**Email Number:** 45

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0806D22FF27)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 039 RELATED  
TO SRP SECTION 08.03.01 FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE  
APPLICATION

**Sent Date:** 10/3/2011 3:09:57 PM

**Received Date:** 10/3/2011 3:09:58 PM

**From:** Comar, Manny

**Created By:** Manny.Comar@nrc.gov

**Recipients:**

"TurkeyPointRAIsPEm Resource" <TurkeyPointRAIsPEm.Resource@nrc.gov>

Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	8	10/3/2011 3:09:58 PM
PTN-RAI-LTR-039.doc	56314	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

September 29, 2011

Mano K. Nazar  
Senior Vice President and Chief Nuclear Officer  
Florida Power & Light Company  
Mail Stop NNP/JB  
700 Universe Blvd  
Juno Beach, FL 33408-0420

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 039 RELATED  
TO SRP SECTION 08.03.01 AC POWER SYSTEMS FOR THE TURKEY  
POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED LICENSE  
APPLICATION

Dear Mr. Nazar:

By letter dated June 30, 2009, as supplemented by letters dated August 7, 2009, September 3, 2010 and December 21, 2010, Florida Power and Light submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advanced passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If you are unable to provide a response within 30 days, please state when you will be able to provide the response. In the event the response submitted is incomplete, please indicate in the response when the complete response will be provided. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes. Your response should also indicate whether any of the information provided is to be withheld as exempt from public disclosure pursuant to 10 CFR 2.390.

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or [manny.comar@nrc.gov](mailto:manny.comar@nrc.gov).

Sincerely,

**/RA/**

Manny Comar, Lead Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-040  
52-041

Enclosure:  
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or [manny.comar@nrc.gov](mailto:manny.comar@nrc.gov).

Sincerely,

/RA/

Manny Comar, Lead Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-040  
52-041  
eRAI Tracking No. 5995

Enclosure:  
Request for Additional Information

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NRO-002

OFFICE	EEB/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	RJenkins*	MComar*	BWeisman*	MComar*
DATE	8/18/11	9/1/11	9/15/11	9/21/11

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

Request for Additional Information No. 5995

9/29/2011

Turkey Point Units 6 and 7  
Florida P and L  
Docket No. 52-040 and 52-041  
SRP Section: 08.03.01 - AC Power Systems (Onsite)  
Application Section: 8.3

QUESTIONS for Electrical Engineering Branch (EEB)

08.03.01-1

FSAR Section 8.3.1.1.7 describes the grounding system. The staff notes that Regulatory Guide 1.204 endorses IEEE Std. 665 for Generation Station grounding. This standard is included in the same section of the DCD. Although IEEE Std. 80 is referenced in IEEE Std. 665 and Regulatory Guide 1.204, please confirm that the use of IEEE Std. 80 did not invalidate the Turkey Point compliance with the Regulatory Guide 1.204 guidance, or explain why this guidance document was not followed.

08.03.01-2

FSAR Section 8.3.1.1.8 describes lightning protection. In FSAR Section 8.1, Table 8.1-201 it is stated that RG 1.204 is implemented via IEEE Standard 665. However, in Appendix 1AA, it is stated that Turkey Point units conform to RG 1.204, Rev.0. The Regulatory Guide also endorses IEEE Std. 666-1991, IEEE Std. 1050-1996, and IEEE Std. C62.23-1995. Please discuss the applicability of these other Standards.