

## **PMTurkeyCOLPEm Resource**

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**From:** Comar, Manny  
**Sent:** Wednesday, May 21, 2014 11:18 AM  
**To:** orthen, Richard; Raymond Burski; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher; Bovol, Bruce; Burkhart, Lawrence; Comar, Manny; Galletta, Thomas; Gleaves, Bill; Habib, Donald; Hale, Jerry; Hughes, Brian; Segala, John  
**Cc:** McCoppin, Michael; Tammara, Seshagiri  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO.80 RELATED TO SRP SECTION 02.01.03 POPULATION DISTRIBUTION FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COL  
**Attachments:** PTN-ltr-80-rai7467.pdf

All:

Attached is the RAI letter No. 80 related to SRP Section:.02.01.03 – Population Distribution for the Turkey Point Units 6 and 7 Combined License Application.

The Accession number is ML14141A201.

If you have any further questions, please feel free to contact me. Thanks

Manny Comar  
Senior Project Manager  
NRO/DNRL/NWE1  
Nuclear Regulatory Commission  
301-415-3863  
<mailto:manny.comar@nrc.gov>

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 889

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D001691750A450)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO.80 RELATED TO SRP SECTION 02.01.03 POPULATION DISTRIBUTION FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COL

**Sent Date:** 5/21/2014 11:18:22 AM

**Received Date:** 5/21/2014 11:18:24 AM

**From:** Comar, Manny

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

**Recipients:**

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Tracking Status: None  
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Tracking Status: None  
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Tracking Status: None  
"Steve Franzone" <steve.Franzone@fpl.com>  
Tracking Status: None  
"STEVEN.HAMRICK" <steven.hamrick@fpl.com>  
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Tracking Status: None  
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Tracking Status: None  
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Tracking Status: None  
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**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	482	5/21/2014 11:18:24 AM

PTN-ltr-80-rai7467.pdf

120633

**Options**

**Priority:**

Standard

**Return Notification:**

No

**Reply Requested:**

No

**Sensitivity:**

Normal

**Expiration Date:**

**Recipients Received:**

## TurkeyPointRAIsPEm Resource

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**From:** Comar, Manny  
**Sent:** Wednesday, May 21, 2014 9:59 AM  
**To:** TurkeyPointRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO.80 RELATED TO SRP SECTION 02.01.03 POPULATION DISTRIBUTION FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COL  
**Attachments:** PTN-RAI-LTR-080.doc

**Hearing Identifier:** TurkeyPoint\_COL\_eRAIs  
**Email Number:** 92

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D001691750A38B)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO.80 RELATED TO SRP SECTION 02.01.03 POPULATION DISTRIBUTION FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COL

**Sent Date:** 5/21/2014 9:59:01 AM

**Received Date:** 5/21/2014 9:59:02 AM

**From:** Comar, Manny

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

**Recipients:**

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

Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	8	5/21/2014 9:59:02 AM
PTN-RAI-LTR-080.doc	63034	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

May 20, 2014

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.080 RELATED  
TO SRP SECTION 02.01.03 POPULATION DISTRIBUTION 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, December 21, 2010, December 16, 2011, December 14, 2012 and December 16, 2013, 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.

Sincerely,

**/RA/**

Manny Comar, Lead Project Manager  
AP1000 Licensing Branch 4  
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.

Sincerely,

**/RA/**

Manny Comar, Lead Project Manager  
AP1000 Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-040  
52-041  
eRAI Tracking No. 7467

Enclosure:  
Request for Additional Information

Distribution:

Public	BHughes	MComar
RidsNroDnrLB4	LBurkhart	TGalletta
RidsOgcMailCenter	DMcGovern	TSeshagiri
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DJaffe	DHabib	JSegala

NRO-002

OFFICE	RPAC/BC	LB4/PM	LB4/L-PM
NAME	MMcCoppin*	MComar*	MComar*
DATE	3/24/14	3/26/14	5/20/14

\*Approval captured electronically in the electronic RAI system.



**Request for Additional Information 080**  
Turkey Point Units 6 and 7  
Operating Company: Florida Power and Light  
Docket No. 52-040 and 52-041  
Review Section: 02.01.03 - Population Distribution  
Application Section: COL FSAR 2.1.3

## QUESTIONS

### 02.01.03-3

In a letter #055, dated March 28, 2012, NRC Staff requested the applicant to provide additional information (RAI 6079), pertaining to SRP Section 02.01.03, Population Distribution, addressing population density. In a letter dated April 25, 2012, the applicant provided the response with a proposed revision to FSAR Section 2.1.3.6. The response stated that “A comparison of the environmental impacts from construction and operation for the proposed site and each of the top alternative sites indicated that environmental impacts would, in general, be higher than or similar to those at the Turkey Point Site. Therefore, based on these analyses, **FPL concluded that no alternative site is environmentally preferable to the proposed Turkey Point Site.** When identifying Turkey Point as the preferred alternative, criteria such as safety, environmental, and economic factors, including population density, were taken into account along with advantages the Turkey Point site has due to the existing nuclear units.” However, the response did not provide the basis, rationale and justification that Turkey Point had clear advantages over the alternative sites. Because Turkey Point exceeds the Regulatory Guide 4.7 criterion of population density of 500 persons/ sq. mile within 20 miles of the site, more information is needed regarding the relative merits of the proposed site.

The staff requests the applicant to explain how the Turkey Point Site fared compared to the alternative sites to finally conclude that the Turkey Point Site is the most suitable site compared to the other four sites considered for alternative site analysis. Provide documentation in the FSAR of the basis that satisfies the requirement of (10 CFR 100.21(h)), “Reactor sites should be located away from very densely populated centers. Areas of low population density are, generally, preferred. However, in determining the acceptability of a particular site located away from a very densely populated center but not in an area of low density, consideration will be given to safety, environmental, economic, or other factors, which may result in the site being found acceptable.”

“Examples of these factors include, but are not limited to, such factors as the higher population density site having superior seismic characteristics, better access to skilled labor for construction, better rail and highway access, shorter transmission line requirements, or less environmental impact on undeveloped areas, wetlands or endangered species, etc. Some of these factors are included in, or impact, the other criteria included in this section.”

To the extent that the response to this request may contradict information that has been provided in the Environmental Report or other submittals associated with the environmental review, please provide an explanation of how the new information changes the information that has been previously submitted.

