

## TurkeyPointRAIsPEm Resource

---

**From:** Comar, Manny  
**Sent:** Tuesday, November 20, 2012 9:16 AM  
**To:** TurkeyPointRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LTR. No: 66 RELATED TO SRP 02.01.02  
EXCLUSION AREA AUTHORITY FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED  
LICENSE APPLICATION  
**Attachments:** PTN-RAI-LTR-066.doc

**Hearing Identifier:** TurkeyPoint\_COL\_eRAIs  
**Email Number:** 78

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0B16597773B)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LTR. No: 66 RELATED TO SRP  
02.01.02 EXCLUSION AREA AUTHORITY FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED  
LICENSE APPLICATION

**Sent Date:** 11/20/2012 9:16:10 AM

**Received Date:** 11/20/2012 9:16:43 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             | 13          | 11/20/2012 9:16:43 AM  |
| PTN-RAI-LTR-066.doc | 59386       |                        |

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

November 20, 2012

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. 066 RELATED  
TO SRP SECTION.02.01.02 EXCLUSION AREA AUTHORITY AND CONTROL  
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 and December 16, 2011, 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 45 days of the date of this letter. If you are unable to provide a response within 45 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 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. 6905

Enclosure:  
Request for Additional Information

Distribution:

|                        |           |           |
|------------------------|-----------|-----------|
| Public                 | BHughes   | MComar    |
| RidsNroDnrLB4          | BBaval    | TGalletta |
| RidsOgcMailCenter      | DMcGovern | AMinarik  |
| RidsAcrsAcnwMailCenter | LBurkhart | RJoshi    |
| RidsRgn2MailCenter     | JHale     | CDehmel   |
|                        | DHabib    | MMcCoppin |

NRO-002

| OFFICE | RPAC/BC    | LB4/PM   | OGC      | LB4/L-PM |
|--------|------------|----------|----------|----------|
| NAME   | MMcCoppin* | MComar*  | SPrice*  | MComar*  |
| DATE   | 10/22/12   | 10/23/12 | 10/31/12 | 10/22/12 |

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information Letter no 66**

Issue Date: 11/20/2012

Application Title: Turkey Point Units 6 and 7

Operating Company: Florida P and L

Docket No. 52-040 and 52-041

Review Section: 02.01.02 - Exclusion Area Authority and Control

Application Section: 2.1.2

QUESTIONS

02.01.02-1

Under COL Tier 2, Rev. 3, FSAR Section 2.1.2, the definition of the plant boundary for radioactive effluent releases does not describe and identify the locations of the deep wells used for the injection of radioactive liquid effluents mixed with cooling tower blowdown. Rather, the discussion addresses compliance with Parts Part 100.3 [and equivalently Part 50.34(a)(1)(ii)(D)(1)] regulations associated with gaseous releases during accident conditions. The commitment to demonstrate compliance with NRC regulations is incomplete as it does not identify the requirements of Part 20 (App. B, Table 2, Columns 1 and 2) in controlling gaseous and liquid effluents released during routine plant operation and AOOs in unrestricted areas; and offsite dose limits to members of the public under Parts 20.1301 and 20.1302; Part 20.1301(e) in complying with 40 CFR Part 190; and design objectives of Sections II, III, and IV of Appendix I to Part 50.

Accordingly, the applicant is requested to review and revise FSAR Section 2.1.2 by updating the regulatory description of the plant boundary as it relates to controlling radioactive gaseous and liquid effluents by acknowledging the requirements of Part 20 (App. B, Table 2, Col. 1 and 2), Part 20.1301 and 20.1302, Part 20.1301(e), and Appendix I to Part 50 in defining authority and control over all effluent release points.