



L-2010-289  
10 CFR 52.3  
10 CFR 50.71(e)  
10 CFR 52 Appendix D

December 21, 2010

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Re: Florida Power & Light Company  
Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
Combined License Application Submittal 7  
Early Submittal of the Annual Update of the COL Application – Revision 2  
and the Semi-Annual Update of the Departures Report

References:

1. FPL Letter L-2009-144 to NRC, dated June 30, 2009, Application for Combined License for Turkey Point Units 6 and 7
2. FPL Letter L-2010-183 to NRC, dated September 3, 2010, Combined License Application Submittal 4 and 5 - Submittal of the Annual Update of the COL Application – Revision 1 and the Semi-Annual Update of the Departures Report
3. FPL Letter L-2010-184 to NRC dated September 3, 2010, Combined License Application Submittal 6 - Part 8 Physical Security Plan - Revision 1
4. FPL Letter L-2010-185 to NRC dated September 3, 2010, Response to Request for Additional Information Final Safety Analysis Report (FSAR) Section 2.5
5. FPL Letter L-2010-286 to NRC dated December 6, 2010, Turkey Point Units 6 and 7 Mitigative Strategies Description and Plans, Revision 0
6. FPL Letter L-2010-290 to NRC dated December 21, 2010, Combined License Application Submittal 8 - Part 8 Physical Security Plan - Revision 2

Florida Power & Light Company (FPL) submitted a Combined License (COL) Application for two AP1000 pressurized water reactor units to be located at the Turkey Point site, designated Turkey Point Units 6 and 7 (PTN 6 & 7), located in Miami-Dade County, FL on June 30, 2009 (Reference 1). FPL submitted the first annual update to the PTN 6 & 7 COL Application on September 3, 2010, (References 2 and 3).

This letter provides Revision 2 to the Turkey Point Units 6 and 7 (PTN 6 & 7) COL Application. The updates provided with this letter include the early submittal of the annual update of the docketed Final Safety Analysis Report (FSAR) and the semi-

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

D097  
NRC

annual update of the Departures Report (COL Application, Part 2 and Part 7, respectively) as required by 10 CFR 50.71(e)(3)(iii) and 10 CFR Part 52, Appendix D, subsection X.B, respectively. The annual update of the FSAR would normally be due by September 3, 2011. The semi-annual update of the Departures Report would normally be due in March 2011. Additionally, Parts 1, 3, 4, 5, 8, and 10 of the PTN 6 & 7 COL Application are also updated with Revision 2. Although there are no changes in Parts 6, 9, and 11, these Parts have been changed to Revision 2 for consistency with the remainder of the COL Application.

Revision 2 incorporates the revised FSAR Sections 2.5.1, 2.5.2, and 2.5.3 provided by FPL on September 3, 2010 (Reference 4). Revision 2 adopts changes to schedule, construction cost estimates, decommissioning cost estimates, and decommissioning funding related to the construction and commercial operation schedule update. This revision includes changes identified by previous FPL correspondence, including responses to requests for additional information (RAI), conforming changes to the FSAR, miscellaneous errata items, and standard and plant specific changes identified since the Revision 1 submittal. Revisions to the COL Application are identified by revision bars in the right margin for text and tables and by the revision number for figures.

FPL submitted the Turkey Point Units 6 and 7 Mitigative Strategies Description and Plans (MSD), Revision 0, required by 10 CFR 52.80(d) on December 6, 2010, (Reference 5). The Turkey Point Units 6 and 7 MSD, Revision 0 and conforming changes to the applicable Parts of the COL Application, including withdrawing the exemption request for the MSD in COL Application Part 7, will be provided in a future COL Application update.

This PTN 6 & 7 COL Application update contains no Restricted Data or other defense information requiring separation in accordance with 10 CFR 50.33(j). Part 9 contains state and local radiological emergency plans designated as "Sensitive-Federal, State, Foreign Government, and International Agency Controlled." Part 9 also includes the FPL PTN 6 & 7 Cyber Security Plan (CSP), Revision 0, designated as Security-Related Information, and accordingly FPL requests that the Part 9 be withheld from public disclosure under 10 CFR 2.390. Part 8, Physical Security Plan (PSP), contains safeguards information as defined in 10 CFR 73.22 and is being submitted by FPL Letter L-2010-290 (Reference 6).

Consistent with common licensing practice and the original FPL COL Application, most of the updated application text is written in the present tense, active voice, including discussions of facilities and programs not yet built or implemented. Exceptions to this approach are the discussions of operating experience and completed studies and evaluations, which are written in the past tense. It should be understood, however, that statements regarding facilities (e.g., structures, systems, and components) and pre-construction, pre-operational, and operational activities (e.g., procedures and programs) typically address facilities and activities that have not yet been built or performed and will not be built or performed until it is reasonable and appropriate to do so.

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2010-289 Page 3 of 3

Enclosure 1 provides a Revision 2 summary for each Part of the COL Application. A roadmap document identifying each change and basis is being prepared as an aid to the NRC reviewers and will be submitted in January 2011.

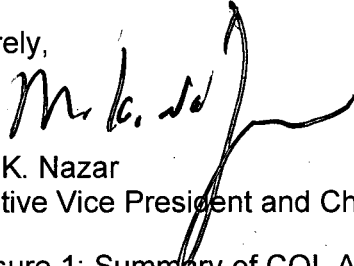
The enclosed optical storage media (OSM), Enclosure 2, includes electronic copies of the sensitive version of the COL Application Revision 2 including Part 9, Withheld Information. Pre-submission checks have been successfully performed on the OSMs to validate and verify compliance with NRC guidelines for electronic submittals. Each OSM includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing.

If you have any questions, or need additional information, please contact William Maher, Senior Licensing Director – New Nuclear Projects, at 561-691-7490.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 21, 2010

Sincerely,



Mano K. Nazar  
Executive Vice President and Chief Nuclear Officer

Enclosure 1: Summary of COL Application Revision 2 Changes

Enclosure 2: Turkey Point Nuclear Plant Units 6 and 7 COL Application, Revision 2,  
Sensitive Version,(3 OSMs Submittal 7)

cc: w/o Enclosure 2

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO  
PTN 6 & 7 Environmental Project Manager, USNRC DSER/NRO  
Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

## **Enclosure 1**

### **Summary of COL Application Revision 2 Changes**

The PTN 6 & 7 COL Application Revision 2 is composed of 11 Parts identified below. The revisions to the PTN 6 & 7 COL Application include: changes to standard content incorporated into the updated RCOLA Revision 3; voluntary and supplemental information, miscellaneous errata items; and plant-specific changes necessary to accommodate changes in RCOLA Revision 3.

**Part 1 General and Financial Information**

The Part 1 update includes voluntary and supplemental information and other changes including:

- Schedule, cost, decommissioning cost estimate, and decommissioning funding related to the construction and commercial operation schedule update

**Part 2 Final Safety Analysis Report (FSAR)**

The Part 2 update includes changes identified by previous correspondence and other changes including:

- Construction and commercial operation schedule update and new evacuation time estimates
- Standard content changes from Vogtle Electric Generating Plant Units 3 and 4 AP1000 RCOLA Revision 3
- Errata corrections
- Chapter 2 changes to subsections 2.5.1, 2.5.2, and 2.5.3 provided by FPL letter dated September 3, 2010 (Reference 1)
- Endorsement of Bellefonte RCOLA responses to standard content RAIs provided by FPL letter dated November 3, 2010 (Reference 2)
- Endorsement of Vogtle Electric Generating Plant Units 3 and 4 AP1000 RCOLA standard content submittals provided by FPL letter dated November 15, 2010 (Reference 3)
- Chapter 11 workforce characterization, ER audit responses, and a GASPAR II input file error correction
- RAI responses for SRP Sections 2.4.2, 2.4.3, and 2.4.6 (References 4, 5, 6, and 7)

**Part 3 Environmental Report (Revision 2 included)**

The Part 3 update includes voluntary and supplemental information and other changes including:

- Construction and commercial operation schedule update and new evacuation time estimate
- FPL 10-year Power Plant Siting Plan
- Environmental audit information needs item responses provided by FPL letter dated November 1, 2010 (Reference 8)
- Errata corrections

**Part 4 Technical Specifications**

The Part 4 update includes voluntary and supplemental information and other changes including:

- Standard content changes from Vogtle Electric Generating Plant Units 3 and 4 AP1000 RCOLA Revision 3
- Errata corrections

**Part 5 Emergency Plan**

The Part 5 update includes voluntary and supplemental information and other changes including:

- Updated Evacuation Time Estimate (ETE), Revision 1
  - Updated the ETE for the changes related to the construction and commercial operation schedule update
  - Errata corrections
- Updated Turkey Point Plant Radiological Emergency Plan, Revision 2
  - Minor editorial and errata corrections

**Part 6 Limited Work Authorization**

- No changes (Part 6 was deleted in COL Application Revision 1)

**Part 7 Departures and Exemption Requests**

The Part 7 update includes voluntary and supplemental information and other changes including:

- Errata corrections
- Deleted Departure Request PTN DEP 2.5-1, Differential Settlement

**Part 8 Safeguards/Security Plans (Revision 2 is being submitted under separate cover)**

The Part 8 update includes voluntary and supplemental information and other changes including:

- Responses to the first round security related RAIs, eRAI 4899 and eRAI 4900, submitted on October 8, 2010 (References 9, 10, and 11)

Part 9 Withheld Information

- No changes

Part 10 Proposed License Conditions (including inspections, tests, analyses, and acceptance criteria [ITAAC])

The Part 10 update includes voluntary and supplemental information and other changes including:

- Endorsement of Vogtle Electric Generating Plant Units 3 and 4 AP1000 RCOLA standard content submittals provided by FPL letter dated November 15, 2010 (Reference 3)
- Standard content changes from Vogtle Electric Generating Plant Units 3 and 4 AP1000 RCOLA Revision 3
- Errata corrections

Part 11 Enclosures

- No changes

References:

1. FPL Letter L-2010-185 to NRC, dated September 3, 2010, Response to Request for Additional Information Final Safety Analysis Report (FSAR) Section 2.5
2. FPL Letter L-2010-251 to NRC, dated November 3, 2010, Fourth Endorsement of Bellefonte RCOLA Standard Content Requests for Additional Information
3. FPL Letter L-2010-258 to NRC, dated November 15, 2010, Second Endorsement of Vogtle Electric Generating Plant Units 3 and 4 AP1000 RCOLA Standard Content Submittals
4. FPL Letter L-2010-193 to NRC dated September 1, 2010, Response to Request for Additional Information Letter No. 002 (eRAI 4806) Standard Review Plan Section 02.04.02 – Floods
5. FPL L-2010-194 to NRC dated September 2, 2010, Response to Request for Additional Information Letter No. 003 (eRAI 4808) Standard Review Plan Section 02.04.03 – Probable Maximum Flood
6. FPL Letter L-2010-195 to NRC dated September 2, 2010, Response to Request for Additional Information Letter No. 004 (eRAI 4809) Standard Review Plan Section 02.04.06 - Probable Maximum Tsunami Flooding
7. FPL Letter L-2010-215 to NRC dated September 22, 2010, Supplemental Response to Request for Additional Information Letter No. 004 Standard Review Plan Section 02.04.06 - Probable Maximum Tsunami Flooding - Question No. 02.04.06-2 (eRAI 4809)
8. FPL Letter L-2010-172 to NRC dated November 1, 2010, NRC June 2010 Environmental Audit Supplemental Information Request Response 1
9. FPL Letter L-2010-225 to NRC dated October 8, 2010, Response to NRC Request for Additional Information Letter No. 005 (eRAI 4899) Standard Review Plan Section 13.06 – Physical Security

10. FPL Letter L-2010-226 to NRC dated October 8, 2010, Response to NRC Request for Additional Information Letter No. 005 (eRAI 4899) Standard Review Plan Section 13.06 – Physical Security - Question 13.6-11
11. FPL Letter L-2010-227 to NRC dated October 8, 2010, Response to NRC Request for Additional Information Letter No. 006 (eRAI 4900) Standard Review Plan Section 13.06 – Physical Security



**Enclosure 2**

**Turkey Point Nuclear Plant Units 6 and 7**

**COL Application**

**Revision 2**

**Sensitive Version**

**(3 OSM Submittal 7)**