



JUL 22 2008

L-2008-157
10 CFR 50.4

Mr. David B. Matthews
Director Division of New Reactor Licensing, Office of New Reactors
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Re: Florida Power & Light Company
Proposed Turkey Point Units 6 & 7
Project No. 763
Supplement 2 NRC RIS 2007-08 Response

The NRC issued Regulatory Issue Summary (RIS) 2007-08, *Updated Licensing Submittal Information to Support the Design-Centered Licensing Review Approach*, on April 16, 2007. The initial Florida Power & Light Company (FPL) voluntary response to RIS 2007-08 was submitted on July 2, 2007 by FPL letter L-2007-111 and supplemented on October 26, 2007 by FPL letter L-2007-174.

Supplement 2 to FPL's RIS 2007-08 response includes updates to the specific bulleted items from the RIS for the Turkey Point Units 6 & 7 (PTN 6&7) COL Project.

A summary of the major changes follows. FPL plans to build two new Westinghouse AP1000 nuclear power units at the Turkey Point site in Miami-Dade County, Florida. FPL selected Bechtel Power Corporation as the COLA primary contractor. FPL plans to submit the COLA in March 2009.

If you have any questions regarding the updated responses, please contact Martin Gettler, Vice President New Nuclear Projects, at (561) 691-7487.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'J. A. Stall', is written over a horizontal line.

J. A. Stall
Executive Vice President, Nuclear and
Chief Nuclear Officer
Attachment

cc: Martin Gettler, Vice President, New Nuclear Projects
William Maher, Licensing Director, New Nuclear Projects

Handwritten initials 'NR0' and the number '1079' are written in black ink in the bottom right corner of the page.

Licensing Submittal Information

Question 1.a:

Will the applicants be organized into Design Centered Working Groups (DCWGs)?

FPL Updated Response 1.a:

FPL is a member of NuStart and a part of the AP1000 Design-Centered Work Group (DCWG).

Question 1.b:

If so, what is the membership and who is the single point of contact designated for each DCWG?

FPL Updated Response 1.b:

NuStart's response to RIS 2006-006 identified Peter Hastings of Duke as the AP1000 Reference Plant (Bellefonte Site) Licensing Lead for NuStart and the NRC single point of contact for the AP1000 DCWG. The point of contact at FPL for AP1000 DCWG will be William Maher, FPL Director of Licensing, New Nuclear Projects.

Question 1.c:

Have protocols been developed to provide coordinated responses for RAIs with generic applicability to a design center?

FPL Updated Response 1.c:

The AP1000 DCWG is coordinating RAI responses, as appropriate, and FPL will adopt the AP1000 DCWG protocols for this purpose.

Question 2:

Which applicant referencing the design will be designated as the Reference COL (R-COL) applicant?

FPL Updated Response 2:

The Tennessee Valley Authority (TVA) is the AP1000 DCWG R-COL applicant for the Bellefonte (BLN) site.

Question 3:

When (month and year) will each of the Combined Operating License (COL) application be submitted for review? In addition, what are the design, site location, and the numbers of units at each site?

FPL Updated Response 3:

FPL plans to submit the PTN 6&7 COL application in March 2009. FPL has selected the Westinghouse AP1000 technology and the application assumes two units at FPL's existing Turkey Point site.

Question 4:

What portions of the COL application (chapters, sections, subsections) will be relying on the Design Certification (DC)?

FPL Updated Response 4:

Most portions of the application for an AP1000 design will be relying on the design certification (DC) to varying extents. For example, every chapter of the COL application Part 2 (plant-specific DCD, including the plant-specific Technical Specifications) will rely on the AP1000 DCD and will be supplemented as necessary to address additional needed information such as COL information items. Much information in Part 3 (the Environmental Report (ER)) will also rely on DCD information, e.g., design descriptions and the DCD Appendix 1.B severe accident mitigation design alternatives (SAMDA) discussion. The COL application Part 10 will also rely on the Tier 1 ITAAC and associated ITAAC design descriptions. Each Part of the COL application is addressed in the Standardization Matrix included as Attachment 1 of the NuStart reference plant (Bellefonte) RIS 2007-08 response, with section-by-section details provided for Part 2 of the COLA.

Question 5:

What portions of the R-COL application (chapters, sections, subsections) will be referenced (i.e., replicated verbatim) in Subsequent COL (S-COL) applications and what portions of the application are likely to be site-specific?

FPL Updated Response 5:

Details in response to this request are provided in the Standardization Matrix included as Attachment 1 of the NuStart reference plant (Bellefonte) RIS 2007-08 response for each part of the COL application, with section-by-section details provided for Part 2.

Question 6:

When (month and year) will applicants complete the detailed design information to be verified under those inspections, tests, analyses, and acceptance criteria that are directed at certification information (design acceptance criteria)? Will this information be completed in a design certification amendment application, in the R-COL application, in S-COL applications, in post-COL Final Safety Analysis Report Updates, or a combination thereof?

FPL Updated Response 6:

The detailed design information to be verified under inspections, tests, analyses, and acceptance criteria (ITAAC) that are directed at certification information (i.e., design acceptance criteria (DAC)) will be complete at varying times, depending on the availability of the information. Some DAC resolution information is currently being developed and is anticipated to be available at the time of COL application submittal, but other DAC resolution information will not be completed until after the COL is issued.

The detailed design information to be verified under ITAAC will be completed in a combination of a DC amendment application, the R-COL and S-COL applications, post-COL application updates, and post-COL notifications. The design information intended to resolve the Piping DAC will be included in the amendment to the AP1000 Design Certification. Design information to partially resolve the Instrumentation and Control System and Human-System Interface DAC will also be included in the amendment.

Site and Environmental Information

Question 1:

Do any applicants intend to apply for an Early Site Permit (ESP) prior to submitting their COL applications? If so, when (month and year) would the proposed ESP be submitted to the NRC for review?

FPL Original Response 1:

FPL does not currently plan to submit an ESP application prior to submitting the COL application.

Question 2:

For ESP applicants, is the applicant going to be seeking approval of either "proposed major features of the emergency plans" per 10 CFR 52.17(b)(2)(i) or "proposed complete and integrated emergency plans" per 10 CFR 52.17(b)(2)(ii)?

FPL Original Response 2:

FPL does not currently plan to submit an ESP prior to submitting the COL application; therefore this question is not applicable.

Question 3:

Do the applicants plan to submit an environmental report or limited work authorization request prior to other portions of the COL application, and if so, when (month and year)?

FPL Updated Response 3:

FPL does not plan to submit the environmental report or a limited work authorization request prior to the other portions of the COL application.

Question 4:

What scope and schedule do applicants project for site characterization activities, such as core borings and testing of core samples?

FPL Updated Response 4:

FPL initiated site characterization activities in January 2008 with completion of site characterization activities expected in October 2008.

Question 5:

What interactions have taken place with local and state authorities and other Federal agencies to support licensing new reactors?

FPL Updated Response 5:

FPL maintains continuous contact with local, state and federal agencies with jurisdiction over the permitting of the new nuclear project through a variety of communication channels. A compatibility working group, comprised of representatives from 12 agencies meets periodically to review project status and provide input. FPL has also established standing briefings with Florida Department of Environmental Protection - Siting Office and the Superintendents of Everglades and Biscayne Bay National Parks.

FPL received approval from the Miami-Dade County Board of County Commissioners for necessary zoning approvals to support the PTN 6&7 project in December 2007. The Florida Public Service Commission issued a Need Order affirming the need for the PTN 6&7 project and allowing FPL to initiate cost recovery in April, 2008. FPL filed for cost recovery of project costs through 2009 on May 1, 2008. The docket will proceed to hearing in September, 2008.

Plant Construction Requirements Information

Question 1:

Who are the vendors and consultants that are assisting in the preparation of the application? The NRC requests that the potential applicants submit a list of entities that are providing input to and are preparing the COL application under a Quality Assurance (QA) program.

FPL Updated Response 1:

FPL has selected Bechtel Power Corporation (BPC) as the COL primary vendor and BPC is currently active in the preparation of a COL application. Westinghouse Electric Company is also providing support to FPL for the COL application.

Question 2:

What information do the applicants have regarding the timing of construction, the ordering of long lead time components, and other commitments to construction? Furthermore, what vendors will be designing, manufacturing, fabricating, and testing safety-related components for eventual plant construction?

FPL Updated Response 2:

FPL recently made the technology selection for the Westinghouse AP1000 certified design and, therefore, does not have information regarding construction schedules or activities. In May 2008, FPL entered into an agreement with Westinghouse Electric Company to reserve manufacturing space for the long lead heavy forgings required for PTN 6&7.