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

Attn: Mr. David B. Matthews, Director  
Division of New Reactor Licensing  
Office of New Reactors

Re: Florida Power & Light Company  
Updated Voluntary Response  
NRC Regulatory Issue Summary (RIS) 2007-08  
Updated Licensing Submittal Information to Support the Design-Centered Licensing Review Approach

Florida Power & Light Company (FPL) provides the following updated voluntary response to NRC Regulatory Issue Summary (RIS) 2007-08.

Licensing Submittal Information

Question - Will the applicants be organized into Design Centered Working Groups (DCWGs)? If so, what is the membership and who is the single point of contact designated for each DCWG? Have protocols been developed to provide coordinated responses for Request for Additional Information (RAIs) with generic applicability to a design center?

FPL Updated Response

FPL has evaluated the technologies associated with the particular designs. FPL will participate with a DCWG formed to implement the design-centered review approach (DCRA). FPL has preliminarily selected the Westinghouse AP1000 Technology and will participate in a DCWG. The single point of contact for AP1000 DCWG will be Bill Maher, FPL Director of Licensing Project – Nuclear.

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

FPL Updated Response

FPL will select the R-COL for the AP1000 technology, (Bellefonte COL).

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

FPL Updated Response

FPL is working to submit a COL application in March 2009. FPL has preliminarily selected the Westinghouse AP1000 technology and the application will be for two units at FPL's existing Turkey Point site. FPL anticipates selecting a COL vendor by mid-November, 2007.

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

FPL Updated Response

Since a preliminary technology has just been selected, it is too early for FPL to provide with any certainty or specificity those portions of the COL applications that will be relying on the DC.

Question - 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

Since a preliminary technology has just been selected, it is too early for FPL to provide with any certainty or specificity those portions of the R-COL applications that can be replicated or will require modification to accommodate site-specific information in an S-COL application.

Question - 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

Since a preliminary technology has just been selected and FPL is still in the process of selecting a COL vendor, it is too early for FPL to provide a schedule pertaining to verification of design information or how the information will be completed.

Site and Environmental Information

Question - 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

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

Question - 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 10CFR 52.17(b)(2)(ii)?

FPL Original Response

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

Question - 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 Original Response

FPL has not made a decision on whether or not to submit an environmental report or a limited work authorization request prior to other portions of the COL application.

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

FPL Updated Response

Since FPL has just made a preliminary technology selection and is in the process of selecting a COL vendor, it does not have a firm scope or a schedule regarding site characterization activities. In order to support a March 2009 COL application filing, FPL plans to initiate site characterization activities in January 2008.

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

FPL Updated Response

Informally, FPL has met with state and local authorities and stakeholders to brief them on the nature and schedule of the proposed project. Reception has been supportive.

More formally, FPL has filed a Public Hearing Application with Miami-Dade County, Florida as part of its consideration for use of the Turkey Point site. The application requests relevant zoning approvals necessary to support the use of the site for new nuclear generation. Also, FPL has initiated the first step in the state Power Plant Siting process by filing a petition to determine need with the Florida Public Service Commission. It is expected that the initial decisions for these applications will be made by the first quarter of 2008.

#### Plant Construction Requirements Information

Question - 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

FPL is still in the process of selecting a COL vendor and is not currently active in the preparation of a COL application.

Question - 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

FPL has just made a preliminary technology selection and, therefore, does not have information regarding construction schedules or activities.

If you have any questions regarding the responses, please contact Martin Gettler at (561) 691-7487.

Sincerely yours,



J.A. Stall  
Senior Vice President, Nuclear and  
Chief Nuclear Officer

cc: Martin Gettler, Vice President, Nuclear Projects