

Exelon Generation
200 Exelon Way
KSA3-N
Kennett Square, PA 19348

Telephone 610.765.5661
Fax 610.765.5545
www.exeloncorp.com

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

Subject: Response to Regulatory Issue Summary 2007-08, "Updated Licensing Submittal Information to Support the Design-Centered Licensing Review Approach"

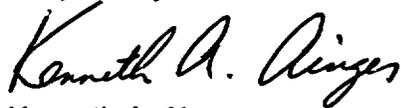
- References:**
1. Regulatory Issue Summary 2007-08, "Updated Licensing Submittal Information to Support the Design-Centered Licensing Review Approach," dated April 16, 2007
 2. Exelon Generation Company, LLC letter to NRC, "Response to RIS 2006-06, New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach," dated September 29, 2006

In the referenced Regulatory Issue Summary (RIS), the NRC requested updated information regarding the scheduling of early site permit, combined license, and standard design certification application submissions, and the extent to which they will support the NRC's design-centered review approach. This information will enable the NRC to effectively plan for anticipated review work and inspection activities.

Exelon Generation Company, LLC (Exelon) announced its intent to prepare and submit a combined license application to the NRC in the reference 2 letter. The response to this RIS updates the information provided in reference 2. Exelon continues to fully support the NRC's design-centered licensing review approach. The attachment to this letter contains the responses to the information requests in the RIS.

If you have any questions regarding this response, please contact me at (610) 765-5312.

Respectfully,



Kenneth A. Ainger
Director – New Plant Licensing

Attachment

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ATTACHMENT

NRC REGULATORY ISSUE SUMMARY 2007-08 UPDATED LICENSING SUBMITTAL INFORMATION TO SUPPORT THE DESIGN-CENTERED LICENSING REVIEW APPROACH

Licensing Submittal Information

1. Will the applicants be organized into 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 RAIs with generic applicability to a design center?

Response: Exelon is engaged in commercial negotiations in connection with the selection of a technology, but has not finalized a technology selection. We will be involved with the appropriate Design Centered Working Group (DCWG) upon selection of the technology.

2. Which applicant referencing the design will be designated as the R-COL applicant?

Response: Exelon fully supports the concept of a design-centered review approach. The reference COL (R-COL) applicant will be designated by the DCWG. We intend to submit a subsequent COL (S-COL) application that will incorporate R-COL information for the selected technology.

3. When (month and year) will each of the COL applications be submitted for review? In addition, what is the design, site location, and the number of units at each site?

Response: Exelon plans to submit its S-COL application in November 2008. The COL application will be based on either a dual-unit General Electric Economic Simplified Boiling Water Reactor (ESBWR) or Westinghouse Advanced Passive (AP) 1000 design at a greenfield site in Texas. Exelon will notify the NRC of its technology and site selection decisions once completed.

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

Response: Exelon defers to the associated DCWG to determine which portion of the COL application will be relying on the Design Certification.

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

Response: Exelon will follow the standardization matrix as developed by the applicable DCWG in preparing our S-COL application.

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?

Response: It is expected that the detailed design information to be verified under inspections, tests, analyses, and acceptance criteria that are directed at certification information (i.e., design acceptance criteria) will be completed at varying times, depending on the availability of the information. At this time, Exelon plans to follow the R-COL application approach for completing this detailed design information and providing it to the NRC.

Site and Environmental Information

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

Response: Exelon does not intend to apply for an ESP prior to submitting its COL application.

8. 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)?

Response: Not applicable.

9. 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)?

Response: Exelon is currently evaluating the option of submitting an environmental report or limited work authorization request prior to other portions of the COL application. We will notify the NRC if we elect to pursue that option and the timing of the submittal.

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

Response: Exelon is finalizing the schedule for site characterization activities, such as core borings. We expect to commence those activities in July 2007.

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

Response: Exelon recognizes the importance of early interactions with local and State authorities and other Federal agencies to support the licensing of a new reactor. Exelon is currently developing a permitting plan and will engage the local and State authorities and other Federal agencies at the appropriate time in the COL application development process.

Plant Construction Requirements Information

12. 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 QA program.

Response: Exelon has procured the services of Bechtel Power Corporation to assist in the preparation of the COL application. Where applicable, Bechtel Power Corporation and its subcontractors are preparing the COL application under a QA program.

13. 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?

Response: Exelon has not yet made a commitment to construction, its timing, or the ordering of long lead time components. When such a commitment has been made, the NRC will be notified of the procurement and construction schedules.