

September 24, 2004

Mr. James Scarola, Vice President
Shearon Harris Nuclear Power Plant
Carolina Power & Light Company
Post Office Box 165, Mail Code: Zone 1
New Hill, North Carolina 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - REQUEST FOR
ADDITIONAL INFORMATION REGARDING NRC BULLETIN 2003-01,
"POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP
RECIRCULATION AT PRESSURIZED-WATER REACTORS"

Dear Mr. Scarola:

The Nuclear Regulatory Commission (NRC) staff has reviewed and evaluated the information provided in response to NRC Bulletin 2003-01 by the Carolina Power & Light Company for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP). We have determined that more information is needed to complete our review. Our Request for Additional Information (RAI) for HNP is enclosed. We request that you to respond to the RAI within 60 days of receipt of this letter to support our closeout goal for this review. If you have any questions, please contact me at 301-415-3025.

Sincerely,

/RA/

Chandu P. Patel, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure: RAI

cc w/enclosure:
See next page

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REQUEST FOR ADDITIONAL INFORMATION
NRC BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON
EMERGENCY SUMP RECIRCULATION AT PRESSURIZED WATER REACTORS"
Shearon Harris Nuclear Power Plant, Unit 1
Carolina Power & Light Company
Docket No. 50-400

By letter dated August 8, 2003, the Carolina Power & Light Company (the licensee, CP&L) provided the 60-day response to NRC Bulletin 2003-01 for the Shearon Harris Nuclear Power Plant, Unit 1. The Bulletin requested CP&L to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the Bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been implemented or that will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete. The NRC staff has completed its preliminary review of your response and has determined it needs the following additional information to complete our review:

1. On page A1-7 of Attachment 1 of your Bulletin 2003-01 response, you state that "any generic changes to the WOG ERG guidance will be evaluated as part of an Owners Group program and incorporated into HNP EOPs as appropriate" The Westinghouse Owners Group (WOG) has developed operational guidance in response to Bulletin 2003-01 for Westinghouse and CE-type pressurized-water reactors (PWRs). Please provide a discussion of your plans to consider implementing this new WOG guidance. Include a discussion of the WOG-recommended compensatory measures that have been or will be implemented at your plant, and the evaluations or analyses performed to determine which of the WOG-recommended changes are acceptable at your plant. Provide technical justification for those WOG-recommended compensatory measures not being implemented by your plant. Also include a detailed discussion of the procedures being modified, the operator training being implemented, and your schedule for implementing these compensatory measures.
2. NRC Bulletin 2003-01 provides possible interim compensatory measures licensees could consider to reduce risks associated with sump clogging. In addition to those compensatory measures listed in Bulletin 2003-01, licensees may also consider implementing unique or plant-specific compensatory measures, as applicable. Please discuss any possible unique or plant-specific compensatory measures you considered for implementation at your plant. Include a basis for rejecting any of these additional considered measures.

Enclosure

Mr. James Scarola
Carolina Power & Light Company

Shearon Harris Nuclear Power Plant
Unit 1

cc:

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