

July 29, 2002

Mr. J. W. Moyer, Vice President
Carolina Power & Light Company
H. B. Robinson Steam Electric Plant,
Unit No. 2
3581 West Entrance Road
Hartsville, South Carolina 29550

SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 - REQUEST FOR
ADDITIONAL INFORMATION (RAI) ON AMENDMENT APPLICATION
REGARDING TECHNICAL SPECIFICATION CHANGES TO INCREASE
AUTHORIZED POWER LEVEL (TAC NO. MB5106)

Dear Mr. Moyer:

By letter dated May 16, 2002, you submitted an amendment application regarding technical specification changes to increase the authorized power level for the H. B. Robinson Steam Electric Plant, Unit No. 2. The NRC staff reviewed the information that you provided in the subject amendment application and identified the need for information specific to the flow-accelerated corrosion components as described in the enclosed RAI.

This RAI was discussed with Mr. Curt Castell and your staff on July 24, 2002, and a mutually agreeable schedule for a response by August 19, 2002, was established.

If you have any questions, please contact me on (301) 415-1478.

Sincerely,

/RA/

Ram Subbaratnam, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosure: RAI

cc w/encl: See next page

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ADAMS ACCESS.NO.ML022100481 *No changes to RAI

PM:PDII-S2	LA:PDII-S2	EMCB:DE	SC:PD II-S2(Acting)
RSubbaratnam	EDunnington	LLund*	KJabbour
7/26/02	7/26/02	7/23/02	7/26/02
Yes/No	Yes/No	Yes/No	Yes/No

REQUEST FOR ADDITIONAL INFORMATION
RELATED TO THE 1.7 PERCENT POWER UPRATE
WITH RESPECT TO FLOW-ACCELERATED CORROSION
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261

Since the effects of flow-accelerated corrosion (FAC) on degradation of carbon steel components are plant-specific, the values of the parameters affecting FAC, i.e., velocity and temperature changes, must be included. In addition, the corresponding changes in components' wear rates due to FAC before and after the power uprate must be provided.

In Section 4.6.5, "Flow Accelerated Corrosion Program," on page 93 of Attachment II to the request, the licensee states the following:

An evaluation of plant piping systems identified a number of feedwater heater components that may exhibit susceptibility to FAC under power uprate operating conditions.... In accordance with the provisions of the FAC Program, the projected power uprate operating conditions (i.e., flow and thermodynamic states) for these components are updated in the CHECWORKS model, as appropriate, and results of these models are factored into future pipe inspection and replacement plans.

The staff requests that you provide the predicted change of wear rates calculated by the revised CHECWORKS code for the components most susceptible to flow-accelerated corrosion. Specifically, the staff requests that the information be provided in a detailed table as illustrated below.

System	Description	% Change in Predicted Wear Rate	Change in Predicted Wear Rate, mils / year
FW	Feedwater (FW) to FW Pump to High Pressure FW Heater	+ 0.003 %	+ 0.02

Mr. J. W. Moyer
Carolina Power & Light Company

H. B. Robinson Steam Electric
Plant, Unit No. 2

cc:

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