



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

December 3, 1976

Docket No. 50-261

Carolina Power & Light Company  
ATTN: Mr. J. A. Jones  
Senior Vice President  
336 Fayetteville Street  
Raleigh, North Carolina 27602

Gentlemen:

The Commission has issued the enclosed Amendment No. 25 to Facility Operating License No. DPR-23 for the H. B. Robinson Steam Electric Plant Unit No. 2. The amendment consists of a change to the Technical Specifications based upon review of your submittal of a reevaluation of ECCS performance in response to the Commission's Order of August 27, 1976. This change has been discussed with your staff. Effective upon issuance of this amendment, the Commission's Order for Modification of License dated August 27, 1976, relative to Facility Operating License No. DPR-23, is terminated.

The amendment revises the limit on the total nuclear peaking factor ( $F_Q$ ).

In connection with refueling for Cycle 5, you stated in your letter of September 2, 1976, that on the basis of your evaluation there were no unreviewed safety questions associated with the refueling and therefore the refueling was a plant modification permitted under 10 CFR §50.59. At our request you also submitted Exxon Nuclear Company (ENC) Report XN-76-39 in support of your position. Upon reviewing XN-76-39, a question arose regarding the validity of your conclusions inasmuch as certain methods used to perform the physics calculations reported in XN-76-39 had been modified from previously approved methods. We have, therefore, reviewed these revised physics calculational methods. As a result of our review, we conclude that the revised methods are acceptable as they apply to your facility and XN-76-39. Accordingly, we conclude that their use in preparing XN-76-39 did not involve an unreviewed safety question.

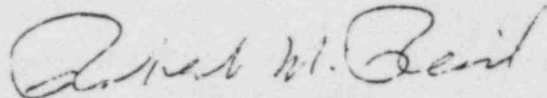
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Copies of the Safety Evaluation performed for the ECCS reevaluation and the Federal Register Notice are also enclosed.

Sincerely,



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Enclosures:

1. Amendment No. 25
2. Safety Evaluation
3. Federal Register Notice

cc w/enclosures: See next page

Carolina Power & Light Company

cc w/enclosure(s):  
G. F. Trowbridge, Esq.  
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Hartsville Memorial Library  
Home and Fifth Avenue  
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Mr. McCuen Morrell, Chairman  
Darlington County Board of Supervisors  
County Courthouse  
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cc w/enclosures & incoming  
dated: 11/17/76 & 12/2/76  
Office of Intergovernmental Relations  
116 West Jones Street  
Raleigh, North Carolina 27603