



Carolina Power & Light Company

April 22, 1981

File: NG-3514(B)

Serial No.: NO-81-718

Office of Nuclear Reactor Regulation
ATTENTION: Mr. T. A. Ippolito, Chief
Operating Reactors Branch No. 2
United States Nuclear Regulatory Commission
Washington, D. C. 20555



BRUNSWICK STEAM ELECTRIC PLANT UNIT NOS. 1 AND
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
ADDITIONAL INFORMATION

SERVICE WATER SYSTEM TECHNICAL SPECIFICATIONS CHANGE REQUEST

Dear Mr. Ippolito:

Summary

This letter is to respond to comments received from NRC concerning Carolina Power & Light Company's (CP&L) technical specifications change request on service water system operability for the Brunswick Steam Electric Plant (BSEP) Unit Nos. 1 and 2.

Background

On March 13, 1981, CP&L requested technical specifications changes for Brunswick which would allow a nuclear service water header to be shut down to perform necessary maintenance and modification work on the Service Water System. Following a review of this submittal, NRC requested a meeting with CP&L to further explain and justify the proposed changes. This meeting was held on March 24, 1981. NRC's comments from this meeting are addressed in the following discussion and in the attached revised technical specifications which entirely supersede those submitted by our March 13, 1981 letter.

Discussion

An expanded safety analysis has been performed to ensure that no single active failure could result in inadequate diesel generator cooling or ECCS room and component cooling. No new instances were identified which could impair the ability of the ECCS systems or diesel generators to perform their intended functions. The diesel generator service water supply valve, 2-SW-V255, was noted during the meeting to be a potential problem area. It was agreed that 2-SW-V255 would be locked open. Operating Work Procedures (OWP) will be revised to incorporate locking open 2-SW-V255. Also, the appropriate OWP will specify that a sufficient number of service water pumps on the operating unit will be aligned to automatically feed the nuclear header.

Several suggestions were made regarding changes to proposed technical specifications. The major changes were the addition of a second dedicated qualified person to initiate conventional service water as needed and a periodic verification of two-way communication between the control room and the service water building.

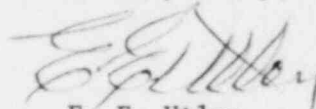
There will continue to be a need to conduct periodic maintenance on sections of the nuclear service water headers that are unisolable during header operations. For this reason, a permanent change to technical specifications is requested. Attached you will find a complete revision of the changes submitted to you by our letter dated March 13, 1981. These changes replace in their entirety those pages previously submitted.

Schedule Request

We request that you provide an expedited review of this request and grant approval for the changes by May 1, 1981. This will allow us to complete the necessary maintenance prior to scheduled startup of Brunswick Unit 1. Your cooperation in this matter will be greatly appreciated.

Please contact my staff if you have any questions regarding this matter.

Yours very truly,



E. E. Utley
Executive Vice President
Power Supply and
Engineering & Construction

DCS/jc (904-412)
Attachments

Sworn to and subscribed before me this 22nd day of April, 1981.

Franklin Murray
Notary Public

My commission expires: October 4, 1981

