

October 18, 1979

FILE: NG-3514(B)

SERIAL NO.: GD-79-2629

Office of Nuclear Reactor Regulation
Attention: Mr. T. A. Ippolito, Chief
Operating Reactors Branch No. 3
United States Nuclear Regulatory Commission
Washington, D.C. 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
MARK I TORUS MODIFICATION SCHEDULE

Dear Mr. Ippolito:

As you are aware, Carolina Power & Light Company (CP&L) has participated in the Mark I Program to evaluate modifications which might enhance the existing safety of containment systems. As a result of this participation, two modifications which could increase safety have been identified: the vent header deflector and the T-quencher. As described in our letter of May 31, 1979, we do not believe that the T-quencher is actually required for the unique Brunswick concrete enclosed steel torus design; however, because it has value in mitigating the consequences of an anticipated transient without scram (ATWS), we have committed to its installation; CP&L will also install the vent header deflector on both units.

The vent header deflector and T-quencher modifications on Unit 2 are scheduled for completion during the 1980 refueling outage. In order to complete these same modifications on Unit 1 during 1980 outages, equipment delivery schedules, system load considerations and fuel requirements would dictate a refueling outage in the Spring of 1980, with a subsequent second lengthy outage in the Fall of 1980 to make the additional Mark I modifications. After examining the safety and system considerations involved in making the Unit 1 modifications in 1980, we have determined that deferring these modifications for a period of several months beyond the recommended installation date of December 31, 1980, would be acceptable from a safety standpoint, in that the risk to public health and safety would not be measurably increased.

The 1981 outage on each unit is already scheduled to be extremely lengthy in order to install a new Augmented Off Gas (AOG) system and perform extensive work on the main condensers. (This work cannot be accelerated to coincide with any

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Mr. T. A. Ippolito

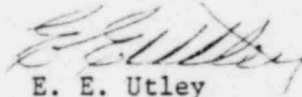
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of the 1980 outages.) Deferring the Unit 1 Mark I modifications until the 1981 outage would eliminate about seven weeks of outage time in 1980 with an attendant substantial savings in replacement power costs for CP&L customers, at no increased risk to the public health and safety.

Based on the above, we propose to complete the installation of the vent header deflector and T-quencher modifications on Unit 2 during the 1980 refueling outage, while deferring installation of these modifications on Unit 1 until the 1981 outage. Since planning for these types of extensive outages must be done far in advance, we would appreciate your expeditious approval of the deferral of Mark I modifications on Unit 1 until the 1981 outage which is scheduled prior to April, 1981.

If you have any questions or require any additional information concerning this proposal, please contact me.

Yours very truly,



E. E. Utley
Executive Vice President
Power Supply & Customer Services

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