

Docket Nos. 50-325
and 50-324

January 28, 1993

Mr. R. A. Watson
Senior Vice President
Nuclear Generation
Carolina Power & Light Company
Post Office Box 1551
Raleigh, North Carolina 27602

Dear Mr. Watson:

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 - ENVIRONMENTAL
ASSESSMENT (TAC NOS. M85018 AND M85019)

Enclosed is a copy of the "Environmental Assessment and Finding of No Significant Impact" which relates to your submittal dated November 16, 1992, requesting license amendments to allow a one-time only revision to the requirements of Section 3.3.3 of Technical Specification 3/4.3.3, Emergency Core Cooling System Actuation Instrumentation, when in Operational Condition 4 (Cold Shutdown). These amendments are necessary to support modifications to upgrade the seismic qualification of instrument racks H21-P009 (Unit 2 only) and H21-P010 (Unit 1 and Unit 2). The requested amendments would allow, on three separate occasions during this present outage, the minimum number of operable channels for one reactor steam dome pressure - low instrumentation trip system to be temporarily reduced from two (2) channels to one (1) channel for up to seven (7) days without invoking the associated Action statement requirements.

The assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,

ORIGINAL SIGNED BY:

Patrick D. Milano, Senior Project Manager
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

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PD II-1 Reading File
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OFC	LA:PD21:DRPE	PE:PD21:DRPE	PM:PD21:DRPE	D:PD21:DRPE	OGC
NAME	PAnderson	CECarpenter	PDMilano	EGAdensam	WYoung
DATE	01/27/93	01/27/93	01/27/93	01/28/93	01/28/93

UNITED STATES NUCLEAR REGULATORY COMMISSION
BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2
CAROLINA POWER & LIGHT COMPANY, ET AL.
DOCKET NOS. 50-325 AND 50-324
ENVIRONMENTAL ASSESSMENT AND
FINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to Facility Operating License Nos. DPR-71 and DPR-62 issued to Carolina Power & Light Company (CP&L or the licensee) for operation of the Brunswick Steam Electric Plant, Units 1 and 2, located in Brunswick County, North Carolina.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

The proposed amendments would allow a one-time only revision to the requirements of Section 3.3.3 of Technical Specification 3/4.3.3, Emergency Core Cooling System Actuation Instrumentation when in Operational Condition 4 (Cold Shutdown) to support modifications to upgrade the seismic qualification of instrument racks H21-P009 (Unit 2 only) and H21-P010 (Unit 1 and Unit 2). The amendments would allow the minimum number of operable channels for one reactor steam dome pressure - low instrumentation trip system to be temporarily reduced from two (2) channels to one (1) channel. This would allow, on three separate occasions during this present outage, one reactor steam dome pressure - low (injection permissive) channel to be placed in the condition (tripped) that would satisfy the logic for allowing injection by the associated emergency core cooling system (ECCS) for up to seven (7) days without invoking the associated Action statement requirements.

Mr. R. A. Watson
Carolina Power & Light Company

Brunswick Steam Electric Plant
Units 1 and 2

cc:

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Public Service Commission
State of South Carolina
Post Office Drawer 11649
Columbia, South Carolina 29211

The proposed amendment is in accordance with CP&L's application dated November 16, 1992.

The Need for the Proposed Action:

The proposed change to the Facility Operating Licenses is needed so modifications can be made to upgrade the seismic qualification of the ECCS instrument racks H21-P009 (Unit 2 only) and H21-P010 (Unit 1 and Unit 2) prior to startup from the current outage.

Environmental Impacts of the Proposed Action:

The proposed one-time amendment will not alter the function of the emergency core cooling system actuation instrumentation, and the planned compensatory actions will ensure that the consequences of any previously evaluated accident are not increased. Therefore, there will not be a significant increase in the types or amounts of any effluent that may be released offsite and, as such, the proposed amendment does not involve irreversible environmental consequences beyond those already associated with normal operation of the plant.

The staff has determined that the proposed change does not alter any initial conditions assumed for the design basis accidents previously evaluated nor change operation of safety systems utilized to mitigate the design basis accidents.

The proposed change does not increase the probability or consequences of accidents. No changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that proposed action would result in no significant radiological environmental impact.

With regard to potential nonradiological impacts, the proposed change to the License involves one component in the plant which is located within the restricted area as defined in 10 CFR Part 20. It does not affect nonradiological plant effluents and has no other environmental impacts. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed amendments.

Alternatives to the Proposed Action:

Since the Commission has concluded that there are no significant environmental effects that would result from the proposed actions, any alternatives with equal or greater environmental impacts need not be evaluated. The principal alternative would be to deny the licensee's request for amendments. This would not reduce environmental impacts of plant operation.

Alternative Use of Resources:

This action does not involve the use of resources not previously considered in the Final Environmental Statement (FES) for the Brunswick Steam Electric Plant, Units 1 and 2, dated January 1974.

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

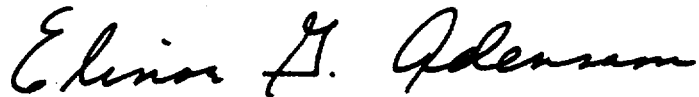
FINDING OF NO SIGNIFICANT IMPACT

Based on the foregoing environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed license amendments.

For further details with respect to this action, see the application for amendment dated November 16, 1992, which is available for public inspection in the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555, and the local public document room located at the University of North Carolina at Wilmington, William Madison Randall Library, 601 S. College Road, Wilmington, North Carolina 28403-3297.

Dated at Rockville, Maryland this 28th day of January 1993.

FOR THE NUCLEAR REGULATORY COMMISSION



Elinor G. Adensam, Director
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation