

Docket No. 50-325
and 50-324

JAN 19 1982



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

Dear Mr. Jones:

The Commission has issued the enclosed Orders modifying the Orders dated January 13, 1981 for the Brunswick Steam Electric Plant, Unit Nos. 1 and 2. These Orders continue in effect the exemptions, withdraw the previously proposed completion dates and substitute new ones for installation of plant modifications needed to comply with the staff's Acceptance Criteria contained in Appendix A to NUREG-0661 to no later than prior to the start of Cycle 5 for Unit No. 1 and prior to the start of Cycle 6 for Unit No. 2.

The completion schedules reflected in these Orders are those which were in the Mark I Owners Group submittal dated June 29, 1981 or as subsequently agreed upon by you and the staff as confirmed in your December 16, 1981 letter and approved by the Commission.

The granting of these extensions is based on information provided to the staff by you and the Mark I Owners Group. Unforeseen difficulties and delays were identified primarily related to: (1) delay in completion of plant-unique analyses; and (2) slippages in refueling outages.

We have reviewed your schedule revisions and believe an acceptable balance has been achieved between the modifications completed which provide a significant improvement in the safety margin and the granting of additional time for completion of the remaining modifications which will fully restore the originally intended safety margin. The plant-unique analyses for your facility should be submitted for confirmatory review in accordance with the schedule provided in the June 29, 1981 Mark I Owners Group Status Summary Report or as subsequently agreed upon by you and the staff.

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Mr. J. A. Jones

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The issuance of these modifying Orders provides an extension of the exemption from General Design Criterion 50 of Appendix A to 10 CFR Part 50 previously granted to the affected licensee on January 13, 1981. This exemption concerns the minimum margins of safety in the containment design. As part of the Mark I Containment Short-Term Program (STP), the staff determined that a margin of safety of at least two in the containment design was sufficient to assure the containment function in the event of a design basis loss-of-coolant accident (LOCA) and, therefore, provided an adequate basis for continued plant operation until the completion of the Long-Term Program (LTP). The objective of the LTP, which will be completed when the provisions of the enclosed Orders are satisfied, is to restore the originally intended margins of safety in the containment design (approximately three to four).

Copies of the enclosed Orders are being filed with the Office of the Federal Register for publication.

Sincerely,

Original signed by
D. B. Vassallo

Domenic Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosure:
Orders

cc: w/enclosure
See next page

Distribution:	Docket File	NRC PDR	Local PDR	ORB#2 Rdg	D. Eisenhut	
	S. Norris	B. Siegel	OELD	I&E(4)	T. Barnhart-4	L. Schneider
	D. Brinkman	ACRS-10	Gray	J. Van Vliet	R. Diggs	NSIC
	TERA	OPA-C. Miles	Extra(5)	SECY	ASLAB	D. Vassallo

Concurrence by OELD on Vermont Yankee constitutes concurrence on all Mark I Order and Exemption Extensions.

OFFICE	ORB#2	ORB#2	ORB#2	ORB#2	DL:IB:OR	DL:DEPDIR	DL:DIR	OELD
SURNAME	SNorris	BSiegel	JVanVliet	DVassallo	Novak	RApple	DEisenhut	
DATE	1/13/82	1/4/82	1/11/82	1/11/82	1/15/82	1/18/82	1/18/82	1/12/82

Mr. J. A. Jones
Carolina Power & Light Company

cc:

Richard E. Jones, Esquire
Carolina Power & Light Company
336 Fayetteville Street
Raleigh, North Carolina 27602

George F. Trowbridge, Esquire
Shaw, Pittman, Potts & Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

Mr. Charles R. Dietz
Plant Manager
P. O. Box 458
Southport, North Carolina 28461

Mr. Franky Thomas, Chairman
Board of Commissioners
P. O. Box 249
Bolivia, North Carolina 28422

Mrs. Chrys Baggett
State Clearinghouse
Budget & Management
116 West Jones Street
Raleigh, North Carolina 27603

Southport - Brunswick County Library
109 W. Moore Street
Southport, North Carolina 28461

U. S. Environmental Protection Agency
Region IV Office
Regional Radiation Representative
345 Courtland Street, N. W.
Atlanta, Georgia 30308

Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 1057
Southport, North Carolina 28461

James P. O'Reilly
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

UNITED STATES OF AMERICA
 NUCLEAR REGULATORY COMMISSION

In the Matter of)	
CAROLINA POWER & LIGHT COMPANY)	Docket No. 50-325
(Brunswick Steam Electric Plant,)	
Unit No. 1))	

MODIFICATION OF JANUARY 13, 1981 ORDER

I.

The Carolina Power and Light Company (the licensee) is the holder of Facility Operating License No. DPR-71 which authorizes the licensee to operate the Brunswick Steam Electric Plant, Unit No. 1 (the facility) at power levels not in excess of 2436 megawatts thermal (rated power). The facility is a boiling water reactor located at the licensee's site in Brunswick County, North Carolina.

II.

On January 13, 1981 the Commission issued an Order modifying the license requiring: (1) the licensee to promptly assess the suppression pool hydrodynamic loads in accordance with NEDO-21888 and NEDO-24583-1 and the Acceptance Criteria contained in Appendix A to NUREG-0661 and (2) design and install any plant modifications needed to assure that the facility conforms to the Acceptance Criteria contained in Appendix A to NUREG-0661. The Order, published in the Federal Register on January 28, 1981 (46 FR 9306) required installation of any plant modifications needed to provide compliance with the Acceptance Criteria in Appendix A to NUREG-0661 be completed not later than February 28, 1982, or, if the plant is shutdown on that date, before the resumption of power operation thereafter. On February 27, 1981, the licensee requested a hearing to contest the completion date specified in the Order.

III.

The licensee's request for a hearing has been held in abeyance pending efforts to resolve the contested completion date by administrative means. By letter dated March 9, 1981, the licensee set forth various unforeseen difficulties and delays that have been encountered primarily related to: (1) delay in completion of plant-unique analyses; and (2) slippages in refueling outages that have necessitated revision of the Order date.

Most of the major modifications, which are those associated with the torus, vent system, internal structures and safety relief valve piping have been or will be completed by the existing Order date. These modifications comprise a significant portion of the total program effort. The remaining items to be completed are primarily associated with the torus attached piping modifications.

The Commission believes that substantial improvements have already been made in the margins of safety of the containment systems and expects improvements will continue to be made during the period until all the modifications required for compliance with this Order are completed.

The Commission further believes an acceptable balance has been achieved between completion of most of the major modifications, which provide significant improvement in the safety margin, and the granting of additional time for completion of the remaining modifications which fully restore the originally intended safety margin. In consideration of the range of completion dates submitted by all of the affected licensees and an assessment of the nature of the remaining effort involved in the analysis, design and installation of the needed plant modifications, the Commission has concluded that the licensee's proposed completion schedule is both responsive and practicable.

The Commission has, therefore, determined to withdraw the completion date proposed in the January 13, 1981 Order and substitute the completion date set forth below. The exemption to General Design Criterion 50 of Appendix A to 10 CFR Part 50 granted on January 13, 1981, continues in effect.

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IV.

Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, including Sections 103 and 161i, and the Commission's rules and regulations in 10 CFR Parts 2 and 50, IT IS ORDERED that the completion date proposed in Section V of the January 13, 1981, "Order for Modification of License," is hereby withdrawn and the following completion date is substituted:

"Prior to the start of Cycle 5."

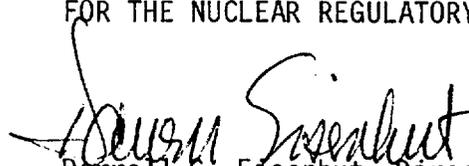
V.

The licensee may request a hearing on this Order within 30 days of the date of publication of this Order in the Federal Register. A request for hearing shall be submitted to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. Copies of the request shall also be sent to the Secretary of the Commission and the Executive Legal Director at the same address.

If a hearing is requested by the licensee, the Commission will issue an order designating the time and place of any such hearing. If a hearing is held, the issue to be considered at such a hearing shall be whether the licensee should be required to complete the design and installation of plant modifications needed to assure that the facility conforms to the Acceptance Criteria contained in Appendix A to NUREG-0661 prior to the start of Cycle 5.

This Order shall become effective upon expiration of the period within which a hearing may be requested or, if a hearing is requested, on the date specified in an order issued following further proceedings on this Order.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland,
this 19th day of January 1982

UNITED STATES OF AMERICA
 NUCLEAR REGULATORY COMMISSION

In the Matter of)
 CAROLINA POWER & LIGHT COMPANY) Docket No. 50-324
 (Brunswick Steam Electric Plant,)
 Unit No. 2))

MODIFICATION OF JANUARY 13, 1981 ORDER

I.

The Carolina Power and Light Company (the licensee) is the holder of Facility Operating License No. DPR-62 which authorizes the licensee to operate the Brunswick Steam Electric Plant, Unit No. 2 (the facility) at power levels not in excess of 2436 megawatts thermal (rated power). The facility is a boiling water reactor located at the licensee's site in Brunswick County, North Carolina.

II.

On January 13, 1981 the Commission issued an Order modifying the license requiring: (1) the licensee to promptly assess the suppression pool hydrodynamic loads in accordance with NEDO-21888 and NEDO-24583-1 and the Acceptance Criteria contained in Appendix A to NUREG-0661 and (2) design and install any plant modifications needed to assure that the facility conforms to the Acceptance Criteria contained in Appendix A to NUREG-0661. The Order, published in the Federal Register on January 28, 1981 (46 FR 9308) required installation of any plant modifications needed to provide compliance with the Acceptance Criteria in Appendix A to NUREG-0661 be completed not later than November 30, 1981, or, if the plant is shutdown on that date, before the resumption of power operation thereafter. On February 27, 1981, the licensee requested a hearing to contest the completion date specified in the Order.

III.

The licensee's request for a hearing has been held in abeyance pending efforts to resolve the contested completion date by administrative means. By letter dated March 9, 1981, the licensee set forth various unforeseen difficulties and delays that have been encountered primarily related to: (1) delay in completion of plant-unique analyses; and (2) slippages in refueling outages that have necessitated revision of the Order date.

The major modifications, which are those associated with the torus, vent system, internal structures and safety relief valve piping, which comprise approximately 75% of the total program effort have already been completed. The remaining items to be completed are primarily associated with the torus attached piping modifications.

The Commission believes that substantial improvements have already been made in the margins of safety of the containment systems and expects improvements will continue to be made during the period until all the modifications required for compliance with this Order are completed.

The Commission further believes an acceptable balance has been achieved between completion of the major modifications, which provide significant improvement in the safety margin, and the granting of additional time for completion of the remaining modifications which fully restore the originally intended safety margin. In consideration of the range of completion dates submitted by all of the affected licensees and an assessment of the nature of the remaining effort involved in the analysis, design and installation of the needed plant modifications, the Commission has concluded that the licensee's proposed completion schedule is both responsive and practicable.

The Commission has, therefore, determined to withdraw the completion date proposed in the January 13, 1981 Order and substitute the completion date set forth below. The exemption to General Design Criterion 50 of Appendix A to 10 CFR Part 50 granted on January 13, 1981, continues in effect.

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IV.

Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, including Sections 103 and 161i, and the Commission's rules and regulations in 10 CFR Parts 2 and 50, IT IS ORDERED that the completion date proposed in Section V of the January 13, 1981, "Order for Modification of License," is hereby withdrawn and the following completion date is substituted: "Prior to the start of Cycle 6."

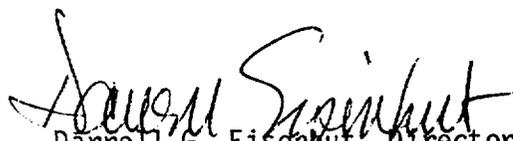
V.

The licensee may request a hearing on this Order within 30 days of the date of publication of this Order in the Federal Register. A request for hearing shall be submitted to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. Copies of the request shall also be sent to the Secretary of the Commission and the Executive Legal Director at the same address.

If a hearing is requested by the licensee, the Commission will issue an order designating the time and place of any such hearing. If a hearing is held, the issue to be considered at such a hearing shall be whether the licensee should be required to complete the design and installation of plant modifications needed to assure that the facility conforms to the Acceptance Criteria contained in Appendix A to NUREG-0661 prior to the start of Cycle 6.

This Order shall become effective upon expiration of the period within which a hearing may be requested or, if a hearing is requested, on the date specified in an order issued following further proceedings on this Order.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland,
this 19th day of January 1982