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JUN 28 1974

Docket No. 50-324

Carolina Power & Light Company
 ATTN: Mr. J. A. Jones
 Executive Vice President
 P. O. Box 1551
 Raleigh, North Carolina 27602

Gentlemen:

In response to your request of June 3, 1974 and to the additional information obtained by telecon on June 10, 1974, the Atomic Energy Commission has issued the enclosed order extending the latest completion date of Provisional Construction Permit No. CPPR-67 for construction of Unit 2 of the Brunswick Steam Electric Plant. The completion date has been extended from June 30, 1974 to January 31, 1975. A copy of the staff's evaluation setting forth the bases for this action is also enclosed for your information.

The enclosed order will be published in the Federal Register.

Sincerely,

Original Signed By
 R. C. DeYoung

R. C. DeYoung, Assistant Director
 for Light Water Reactors Group 1
 Directorate of Licensing

Enclosures:

1. Order Extending Completion Date
2. Staff's Evaluation

cc/w enclosure:

Charles D. Barham, Jr.
 Associate General Counsel
 Carolina Power & Light Company
 P. O. Box 1551
 Raleigh, North Carolina 27602

CP-3

APP

RB

OFFICE >	L:LWR 1-2	L:LWR 1-2	L:LWR 1-2	OGC	L:LWR 1
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DATE >	6/21/74	6/11/74	6/21/74	6/21/74	6/21/74

JUN 2 1974

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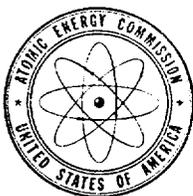
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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

CAROLINA POWER & LIGHT COMPANY

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2

DOCKET NO. 50-324

ORDER EXTENDING CONSTRUCTION COMPLETION DATES

Carolina Power & Light Company is the holder of Construction Permit No. CPPR-67 issued by the Commission on February 7, 1970, for construction of the Brunswick Steam Electric Plant, Unit 2 presently under construction at the Company's site on the Cape Fear River, near Southport in Brunswick County, North Carolina.

On June 3, 1974, Carolina Power & Light Company filed a request for an extension of the latest completion date because construction has been delayed due to (1) a critical shortage of labor, (2) late delivery of critical materials and permanent plant equipment, and (3) engineering and design changes requested by AEC. This action involves no significant hazards consideration; good cause has not been shown for the requested one year extension; good cause has been shown for extension of the completion date for Unit 2's construction to January 31, 1975, the bases for which are set forth in a staff evaluation, dated June 21, 1974.

IT IS HEREBY ORDERED THAT THE latest completion date for CPPR-67 is extended from June 30, 1974 to January 31, 1975.

FOR THE ATOMIC ENERGY COMMISSION

Richard C. DeYoung
Richard C. DeYoung, Assistant Director
for Light Water Reactors Group 1
Directorate of Licensing

Date of Issuance: JUN 28 1974



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

JUN 2 1 1974

Docket No. 50-324

Evaluation of Request for Extension of Latest Construction Completion Date for the Brunswick Steam Electric Plant, Unit 2

Summary

On June 3, 1974, the Carolina Power and Light Company (CP&L) filed a request for an extension of the latest completion date for the construction of the Brunswick Steam Electric Plant, (BSEP), Unit 2. The requested extension of the latest completion date for construction of Unit 2 was from the current date of June 30, 1974 to June 30, 1975. The principal factors identified by the applicant as contributors to the slippage in schedule are as follows:

1. A critical shortage of labor during construction, particularly in the welding crafts, continues to be a delaying factor. Although extensive recruiting has been undertaken throughout the Southeast, this problem existed throughout construction. Job-site and off-site training programs have been provided and are essential to obtain workers; however, their implementation has not been able to recover the accumulated delays in the construction schedule. Remoteness of the site has contributed to this problem of maintaining an adequate skilled labor force. The delay resulting from this factor is estimated to be nine months.
2. Late delivery of critical materials adversely impacted the schedule during late 1972 and early 1973. Material shortages contributing to delays included piping for the water system, valves for the fuel oil system, solenoid valves and structural steel. The problems with availability of labor as indicated in 1. above made it difficult to reschedule work forces to compensate for material delivery delays. The delay resulting from this factor is estimated to be ten months.
3. Delays in delivery of permanent plant equipment were also experienced. Service water pumps that were scheduled to be shipped in February 1972 and tested in September were received between November 1972 and March 1973. Diesel generators rescheduled to be shipped in November 1972 were not received until late in 1973. These delays are estimated to have resulted in a ten-month schedule slippage.
4. Engineering and design information that was released to construction was delayed due to changes necessary to resolve AEC requirements.

JUN 21 1974

Examples of these types of delays were the (1) radwaste treatment systems, (2) electrical design modifications to accommodate anticipated transients without scram, (3) rod sequence control system installation, and (4) a major modification of the turbine building ventilation system to meet the as-low-as-practicable, state of the art requirement. These factors are estimated to have resulted in a delay in completion of construction of nine months.

The applicant has indicated that all of the four factors of delay given above are not additive. Based on some of the delay factors occurring concurrently, the total slippage of one year for the completion of construction for BSEP, Unit 2 was estimated by the applicant.

Assuming that construction proceeds as projected, we do not believe that it is likely to be completed before January 31, 1975. The applicant's current estimated fuel loading date for Unit 2 is September 24, 1974. In reviewing the construction schedule for completion of Unit 2, the applicant will be filing additional information reducing the estimated slippage of completion of construction. Our experience indicates that unforeseen last minute developments, such as malfunctioning of components during preoperational tests and shortages of required craft skills often arise and delay the completion of construction. Since the margin for such contingencies originally included in the schedule has been exhausted, we believe that an extension of the construction permit from June 30, 1974 to January 31, 1975 is warranted.

The staff has reviewed the applicant's June 3, 1974 request, which discusses the above factors, as well as additional information furnished by a telecon on June 17, 1974, and which will be documented in a forthcoming letter.

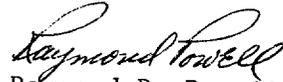
We find that the delay factors indicated in the applicant's June 3, 1974, request, do not constitute good cause for granting the requested extension to June 30, 1975; good cause has been shown to exist for granting an extension to January 31, 1975.

The Regulatory staff finds that prior public notice of an order authorizing the requested extension is not required since the action does not involve significant hazard considerations, and that good cause exists for the issuance of an order extending the latest completion of construction date for the BSEP Unit 2 to January 31, 1975.

Accordingly, issuance of an order extending the latest completion date for construction of the Brunswick Steam Electric Plant, Unit 2 as presently

JUN 21 1974

set forth in the Provisional Construction Permit No. CPPR-67, to January 31, 1975, should be authorized. The order should be effective on the date of issuance.



Raymond R. Powell

LWR 1-2

Directorate of Licensing



Walter R. Butler

LWR 1-2

Directorate of Licensing