

Docket No. 50-335

DEC 28 1973

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Florida Power and Light Company
 ATTN: Dr. Robert E. Uhrig
 Director of Nuclear Affairs
 P. O. Box 3100
 Miami, Florida 33101

Gentlemen:

In response to your request of November 1, 1973, the Atomic Energy Commission has issued an Order extending the construction completion date for the St. Lucie Plant Unit No. 1. In lieu of the latest completion date of January 1, 1974, as specified previously in Provisional Construction Permit No. CPPR-74, the latest completion date has been extended to December 31, 1975.

A copy of the Order and the staff evaluation are enclosed for your information. The Order has been transmitted to the Office of the Federal Register for publication.

Sincerely,

Original Signed by
 K. R. Goller

Karl R. Goller, Chief
 Pressurized Water Reactors
 Branch No. 3
 Directorate of Licensing

Enclosures:

1. Order Extending Completion Date
2. Staff Evaluation

cc w/encls:
 See attached

CB

OFFICE ▶	L: PWR-3 x7415 <i>HW</i>	L: PWR-3 <i>C.M.M</i>	L: PWR-3 <i>KRG</i>	OGC <i>G. G. Staples</i>		
SURNAME ▶	VHWilson:esp	CWMoon	KRGoller			
DATE ▶	12/3/73	12/3/73	12/3/73	12/3/73		

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cc w/encis:

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Mr. Hans L. Hamster
ATTN: Joan Sause
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Environmental Protection Agency
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Mr. Shepard N. Moore, Region IV
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OFFICE ▶						
SURNAME ▶						
DATE ▶						

FLORIDA POWER AND LIGHT COMPANY
(St. Lucie Plant Unit 1)

DOCKET NO. 50-335

ORDER EXTENDING CONSTRUCTION COMPLETION DATE

Florida Power and Light Company is the holder of Provisional Construction Permit No. CPPR-74 issued by the Commission on July 1, 1970 for construction of the St. Lucie Plant Unit No. 1, presently under construction on Florida Power and Light Company's site on Hutchinson Island about halfway between Ft. Pierce and Stuart on the east coast of Florida.

On November 1, 1973, Florida Power and Light filed a request for an extension of the completion date because construction has been delayed due to modifications in system design and a number of unexpected events which include: (i) more extensive than anticipated dewatering, excavation and backfill operations, (ii) concrete placements were larger and took longer than anticipated, (iii) extended adverse weather conditions, (iv) late delivery of equipment, (v) changes in the design of the cooling water intake system, and (vi) lower than predicted labor productivity.

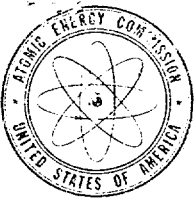
This action involves no significant hazards consideration; good cause has been shown for the delay; and the requested extension is for a reasonable period, the bases for which are set forth in a staff evaluation dated December 4, 1973.

IT IS HEREBY ORDERED THAT THE latest completion date for CPPR-74
is extended from January 1, 1974 to December 31, 1975.

FOR THE ATOMIC ENERGY COMMISSION
Original signed by
Roger S. Boyd

Roger S. Boyd, Assistant Deputy Director
A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Date of Issuance: DEC 28 1973



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

Docket No. 50-335

DEC 4 1973

EVALUATION OF REQUEST FOR EXTENSION OF PROVISIONAL
CONSTRUCTION PERMIT FOR
ST. LUCIE PLANT UNIT NO. 1

Introduction

On November 1, 1973, the Florida Power & Light Company filed a request for an extension of the completion date for the construction of the St. Lucie Plant Unit No. 1. The applicant states that the completion of construction is estimated to be delayed by approximately 21 months and requests an extension of 24 months in the expiration date of Provisional Construction Permit No. CPPR-74, which was issued on July 1, 1970 with an expiration date of January 1, 1974.

Discussion

The applicant states that the following modifications in system design and unexpected events are the reasons for delay in the construction of St. Lucie Plant Unit No. 1.

1. Issuance of Provisional Construction Permit

Provisional Construction Permit No. CPPR-74 was issued 18 months after the application was filed, or 8 months later than the applicant assumed in its estimate of a completion date.

2. Dewatering, Excavation and Backfill Operations

Dewatering, excavation and backfill operations were more extensive than anticipated and took about 9 months longer than anticipated. As a result, work permitted by the construction permit did not begin until 3 months after the permit was issued.

3. Concrete Placement

Larger concrete placements than anticipated and cement shortages lengthened the time for concrete placement by about 6 months.

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4. Adverse Weather Conditions

Containment construction was extended by about 3 months due to unexpected adverse weather conditions.

5. Equipment Delivery

Deliveries of equipment such as piping were later than anticipated.

6. Cooling Water Intake System

The cooling water intake was changed from the nearby Big Mud Creek, which is open to the Indian River, to the Atlantic Ocean. The construction of a canal across most of the width of Hutchinson Island and cooling water intake pipes under the ocean floor increased the time for construction of the cooling system.

7. Labor

Schedular delays have resulted from labor difficulties such as jurisdictional disputes. Labor productivity has been lower than anticipated and there have been shortages of qualified craft personnel, in particular, electricians and welders.

Conclusion

The applicant's original schedule was not revised at the time of issuance of the construction permit to reflect delays in the beginning of construction already experienced. The staff finds that adverse weather conditions (item 4), delays in materials and equipment delivery (items 3 and 5), and reduced productivity level and labor schedular delays (item 7) show good cause for the additional delay in the completion of construction. The staff also finds, as the applicant now states, that the original schedule was very optimistic, and that the construction time now estimated by the applicant, i.e., 5 1/4 years after issuance of the construction permit, is essentially equal to the average construction time for other plants which are almost completed at this time.

The staff concludes that the only modification proposed by the applicant to the existing construction permit is an extension of the construction completion date which does not allow any work to be performed that is not already allowed by the existing construction permit. Therefore, the staff finds that this action does not involve any significant hazards considerations.

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The applicant requested an extension of Provisional Construction Permit CPPR-74 from January 1, 1974 to December 31, 1975. On the basis of the considerations discussed above, the staff finds that this extension is reasonable and proper and should be so authorized.

Calvin W. Moon

Calvin W. Moon
Pressurized Water Reactors
Branch No. 3
Directorate of Licensing

Karl R. Goller

Karl R. Goller, Chief
Pressurized Water Reactors
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