

January 13, 1989

Docket No. 50-219

Mr. E. E. Fitzpatrick
Vice President and Director
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

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Dear Mr. Fitzpatrick:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. 71247)

The Commission has issued the enclosed Amendment No. 131 to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station, in response to your application dated November 30, 1988, as supplemented by letter dated December 12, 1988.

The amendment deletes the requirement in Technical Specification, Table 3.1.1.A.6 for a Low Condenser Vacuum Scram when the Reactor Mode Switch is in the refuel position. This change clarifies the Technical Specification to allow Rod Scram time testing to be performed while shutdown. The amendment also revises Technical Specification, Table 3.1.1.C.1 to add a reference to note "11" in the startup mode for the High Reactor Pressure Isolation Condenser initiative function. This change is necessary to install new analog pressure sensors during refueling outage 12R.

A copy of the related Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's bi-weekly Federal Register notice.

Sincerely,

/s/

Alexander W. Dromerick, Project Manager
Project Directorate I-4
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 131 to DPR-16
2. Safety Evaluation

cc w/enclosures:

See next page

LA:PDI-4
SNorris
12/22/88

PM:PDI-4
ADromerick:cb
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D:PDI-4
JStolz
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OGC
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C/P-1

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Mr. E. E. Fitzpatrick
Oyster Creek Nuclear Generating Station

Oyster Creek Nuclear
Generating Station

cc:

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

GPU NUCLEAR CORPORATION

AND

JERSEY CENTRAL POWER & LIGHT COMPANY

DOCKET NO. 50-219

OYSTER CREEK NUCLEAR GENERATING STATION

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 131
License No. DPR-16

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by GPU Nuclear Corporation, et al., (the licensee), dated November 30, 1988 as supplemented by letter dated December 12, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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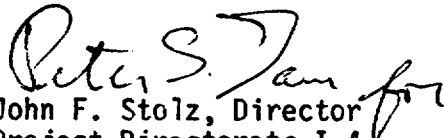
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Provisional Operating License No. DPR-16 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 131, are hereby incorporated in the license. GPU Nuclear Corporation shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of issuance, to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


John F. Stolz, Director
Project Directorate I-4
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 13, 1989

ATTACHMENT TO LICENSE AMENDMENT NO.131

PROVISIONAL OPERATING LICENSE NO. DPR-16

DOCKET NO. 50-219

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages as indicated. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change.

Remove

Page 3.1-8

Page 3.1-10

Insert

Page 3.1-8

Page 3.1-10

TABLE 3.1.1 PROTECTIVE INSTRUMENTATION REQUIREMENTS

Function	Trip Setting	Reactor Modes in which Function Must Be Operable				Min. No. of Operable or Operating [tripped] Trip Systems	Min. No. of Instrument Channels Per Operable Trip Systems	Action Required*
		Shutdown	Refuel	Startup	Run			
A. Scram								
1. Manual Scram		X	X	X	X	2	1	Insert control rods
2. High Reactor Pressure	**		X(s)	X(11)	X	2	2	
3. High Drywell Pressure	≤ 3.5 psig		X(u)	X(u)	X	2	2	
4. Low Reactor Water Level	**		X	X	X	2	2	
5. a. High Water Level in Scram Discharge Volume North Side	≤ 29 gal.		X(a)	X(z)	X(z)	2	2	
b. High Water Level in Scram Discharge Volume South Side	≤ 29 gal.		X(a)	X(z)	X(z)	2	2	
6. Low Condenser Vacuum	≥ 23" hg.			X(b)	X	2	2	
7. High Radiation in Main Steam Line Tunnel	≤ 10 x normal background		X(s)	X	X	2	2	

TABLE 3.1.1 PROTECTIVE INSTRUMENTATION REQUIREMENTS

Function	Reactor Modes in which Function Must Be Operable			Min. No. of Operable or Operating Startup	Min. No. of Instrument Channels Per [tripped] Run	Min. No. of Trip Systems	Operable Trip Systems	Action Required*
	Trip Setting	Shutdown	Refuel					
4. High Temperature in Main Steamline Tunnel	≤ Ambient at Power + 50°F	X(s)	X(s)	X	X	2	2	
5. Low Pressure in Main Steamline	**			X(cc)	X	2	2	
6. High Radiation in Main Steam Tunnel	≤ 10X Normal Background	X(s)	X(s)	X	X	2	2	

C. Isolation Condenser

1. High Reactor Pressure	**	X(s)	X(s)	X(11)	X	2	2	Place plant in cold shutdown condition
2. Low-Low Reactor Water	≥ 7'2" above top of active fuel	X(s)	X(s)	X	X	2	2	

Correction: 131



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 131

TO PROVISIONAL OPERATING LICENSE NO. DPR-16

GPU NUCLEAR CORPORATION AND
JERSEY CENTRAL POWER & LIGHT COMPANY

OYSTER CREEK NUCLEAR GENERATING STATION

DOCKET NO. 50-219

INTRODUCTION

By letter dated November 30, 1988 as supplemented by letter dated December 12, 1988 GPU Nuclear Corporation (GPUN/Licensee) requested an amendment to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station (Oyster Creek). The proposed amendment requests two changes to the Oyster Creek Technical Specifications Table 3.1.1. The first requested change would delete the requirement in Table 3.1.1.A.6 for a Low Condenser Vacuum Scram when the Reactor Mode Switch is in the Refuel Position. The second requested change would revise Table 3.1.1.C.1 to add a reference to note "11" in the startup mode for the High Reactor Pressure Isolation condenser initiation function. Note "11" states: This function not required to be operable with the reactor vessel head removed or unbolted.

EVALUATION

A - Change Request 1

By letter dated November 30, 1988 as supplemented by letter dated December 12, 1988 GPUN's first proposed change requested that the requirement for a Low Condenser Vacuum Scram when the Reactor Mode Switch is in the Refuel Position be deleted. The licensee stated that this change would clarify the Technical Specifications, to allow Rod Scram time testing to be performed while shutdown. The existing specifications are contradictory and would allow the surveillance to be performed following a refueling outage only after establishing a vacuum in the Main Condenser.

The Low Condenser Vacuum Scram provides overpressure protection for the Main Condenser, assuming that the Main Condenser initially had a vacuum and was in the process of losing it. A loss of condenser vacuum causes turbine steam valves to close, resulting in a turbine trip transient. The low condenser-vacuum trip anticipates this transient and scrams the reactor.

When the Reactor Mode Switch is in the refuel position, only one rod can be in any position other than fully inserted. With only one rod not fully inserted, the reactor cannot go critical and cannot produce sufficient steam to maintain a condenser vacuum.

As the function of the Low Condenser Vacuum scram is to anticipate the loss of a turbine transient, and neither a vacuum nor an on line turbine can be maintained while in the Refuel position, the Low Condenser Vacuum scram serves no function in the Refuel position.

Based on the above, we have concluded that Change Request 1 is acceptable.

B - Change Request 2

By letter dated November 30, 1988 as supplemented by letter dated December 12, 1988 GPUN's second proposed change requested that a reference to note "11" in the startup mode for the High Reactor Pressure Isolation Condenser initiation function be added to Table 3.1.1.C.1 of the Technical Specifications. Note "11" states "This function not required to be operable with the reactor vessel head removed or unbolted. The licensee stated that this change is necessary to install new analog pressure sensors during refueling outage 12R.

When the reactor temperature is less than 212°F and either the vessel head is removed or unbolted there is no possibility of a major reactor pressure excursion. As a major excursion is not possible, the instrumentation required to initiate the Isolation Condenser in response to an excursion serves no purpose.

Based on the above, we have concluded that Change Request 2 is acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment changes requirements with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

CONCLUSION

The staff has concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Dated: January 13, 1989

Principal Contributor: A. Dromerick