

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

December 21, 1981

Docket No. 50-219
LS05-81-12-070Posted
Am-58
to DPR-16

Mr. I. R. Finfrock, Jr.
Vice President
Jersey Central Power & Light Company
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Finfrock:

SUBJECT: FIRE PROTECTION - OYSTER CREEK NUCLEAR GENERATING STATION

The Commission has issued the enclosed Amendment No. 58 to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station. This amendment consists of changes to the Technical Specifications in response to your application dated July 14, 1980, as revised May 6, 1981.

The amendment incorporates Technical Specification requirements for additional fire protection systems installed during the 1980 refueling outage. This action is supported by the Fire Protection Safety Evaluation Report dated March 3, 1978, as supplemented June 29, 1979, and November 13, 1979, and August 25, 1980.

Copies of our related Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

for *Thomas V. Wambach*
Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Enclosures:

1. Amendment No. 58 to License No. DPR-16
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
See next page

December 21, 1981

cc w/enclosures:

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

JERSEY CENTRAL POWER & LIGHT COMPANY

DOCKET NO. 50-219

OYSTER CREEK NUCLEAR GENERATING STATION UNIT NO. 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 58
License No. DPR-16

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Jersey Central Power & Light Company (the licensee) dated July 14, 1980, as revised May 6, 1981, 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.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B of Provisional License No. DPR-16 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 58 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

for *Thomas V. Wambach*
Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: December 21, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 58

PROVISIONAL OPERATING LICENSE NO. DPR-16

DOCKET NO. 50-219

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

<u>REMOVE PAGES</u>	<u>INSERT PAGES</u>
3.12-1 - 3.12-6	3.12-1 - 3.12-6
- - - - -	3.12-7 - 3.12-13
4.12-1	4.12-1
4.12-2	4.12-2
4.12-3	4.12-3
- - - - -	4.12-4
- - - - -	4.12-5

3.12 Fire Protection

Applicability: Applies to the operating status of Fire Detection/Suppression systems and associated instrumentation.

Objective: To assure that fire in safety related areas is detected and suppressed at an early stage so as to minimize fire damage to safety related equipment.

Specification:

A. Fire Detection Instrumentation

1. As a minimum, the fire detection instrumentation for each fire detection area/zone shown in Table 3.12.1 shall be operable, except as otherwise specified in this section.
2. With the number of operable fire detection instruments less than required by Table 3.12.1:
 - a. Within one hour, establish a fire watch patrol to inspect the area(s)/zone(s) with the inoperable instrument(s) at least once per hour, and
 - b. Restore the inoperable instrument(s) to operable status within 14 days or prepare and submit a special report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of the inoperability and the plans/schedule for restoring the instrument(s) to operable status.

B. Fire Suppression Water System

1. The Fire Suppression Water System shall be operable with:
 - a. Two high pressure pumps, each with a capacity of 2000 GPM, with their discharge aligned to the fire suppression header.
 - b. Automatic initiation logic for each fire pump.
 - c. An operable flow path capable of taking suction from the fire pond and transferring water through distribution piping with sectionalizing control of valves to the yard hydrant curb valves and the first valve ahead of the water flow alarm device on each

sprinkler, hose standpipe or spray system riser required to be operable per specifications 3.12.C and 3.12.D.

2. With one pump inoperable, restore the inoperable equipment to operable status within 7 days or prepare and submit a Special Report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the plans and procedures to be used to restore the inoperable equipment to operable status or to provide an alternate pump.
 3. With no Fire Suppression Water System operable.
 - a. Within 24 hours establish a backup Fire Suppression Water System, or the reactor shall be placed in the cold shutdown condition.
 - b. Submit a Special Report to the Commission, in lieu of any other report required by Section 6.9:
 - (1) By telephone within 24 hours,
 - (2) Confirmed by telegraph, mailgram or facsimile transmission no later than the first working day following the event, and
 - (3) In writing within 14 days following the event, outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to operable status.
- C. Spray and/or Sprinkler Systems

1. The spray and/or sprinkler systems listed in Table 3.12.2 shall be operable.
2. With one or more of the above required spray and/or sprinkler systems inoperable, within one hour establish a continuous* fire watch with backup fire suppression equipment for those areas in which redundant systems or components could be damaged; for other areas, establish an hourly fire watch patrol.
3. Restore the system to operable status within 14 days or prepare and submit a Special Report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of inoperability and the plans/schedule for

restoring the system to operable status.

D. Fire Hose Stations

1. The Fire Hose Stations listed in Table 3.12.3 shall be operable.
2. With a hose station listed in Table 3.12.3 inoperable, within one hour for areas where the inoperable hose station is the primary means of fire suppression otherwise within 24 hours, provide additional lengths of hose at another hose station sufficient to reach the area of the inoperable hose station, unless the reason for inoperability is a failure of the fire suppression water system. In this event, additional hose lengths are not required and the requirements of Section 3.12.B.3 shall be followed.
3. Restore the affected hose station to operable status within 14 days or prepare and submit a Special Report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of inoperability, and the plans and schedule for restoring the station to operable status.

E. Fire Barrier Penetration Fire Seals

1. All penetration fire barriers protecting safety related fire areas shall be intact except for periods of planned maintenance.
2. With one or more of the above required fire barrier penetrations non-functional, within one hour, either establish a continuous* fire watch on at least one side of the affected penetration, or if the fire detectors on at least one side of the non-functional barrier are operable, establish an hourly fire watch patrol.
3. Restore the non-functional fire barrier penetration(s) to functional status within 7 days or prepare and submit a Special Report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of non-function, the plans and schedule for restoring the fire barrier penetration to operable status.

F. Halon Systems

1. The Halon Systems listed in Table 3.12-4 shall be operable with the storage tanks having at least 95% of full charge weight and 90% of full charge pressure.
2. With a Halon system inoperable within one hour establish a fire watch patrol to inspect the affected area at least once per hour or a continuous* fire watch with backup fire suppression equipment for those areas in which redundant systems or components could be damaged.
3. Restore the system to operable status within 14 days or prepare and submit a Special Report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of inoperability, and the plans/schedule for restoring the system to operable status.

G. Carbon Dioxide (CO2) System

1. The 4160 Volt Switchgear CO2 system shall be operable with a minimum level greater than or equal to 1/2 full and a minimum pressure of 275 psig in the associated storage tank.
2. With the CO2 system inoperable, within one hour establish a continuous* fire watch with backup fire suppression equipment.
3. Restore the system to operable status within 14 days or prepare and submit a Special Report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of inoperability and the plans/schedule for restoring the system to operable status.

H. Yard Fire Hydrants and Hydrant Hose Houses

1. The yard hydrants and associated hose houses listed in Table 3.12.5 shall be operable.
2. With one or more of the yard hydrants or associated hydrant hose houses shown in Table 3.12.5 inoperable, within one hour have sufficient additional lengths of 2 1/2 inch diameter hose located in an adjacent operable hydrant hose house to provide service to the unprotected area(s) if the inoperable fire hydrant or associated hydrant hose house is the primary means of fire suppression;

otherwise, provide the additional hose within 24 hours.

3. Restore the hydrant or hose house to operable status within 14 days or prepare and submit a special report to the Commission, in lieu of any other report required by Section 6.9, within the next 30 days outlining the action taken, the cause of the inoperability, and the plans and schedule for restoring the hydrant or hose house to operable status.

*In those areas which represent a radiation, airborne, or industrial safety hazard; an hourly fire watch patrol will be initiated in lieu of the continuous fire watch.

Basis:

Fire Protection systems and instrumentation provide for early detection and rapid extinguishment of fires in safety related areas thus minimizing fire damage. These specifications will assure that in the event of inoperable fire protection equipment, corrective action will be initiated in order to maintain fire protection capabilities during all modes of reactor operation.

The pumps in the fire water suppression system have a capacity of 2000 GPM each assuring an adequate supply of water to fire suppression systems. Fire suppression water system operability as defined in 3.12.B.1 applies only as pertains to specification 3.12 and is not applicable to other specifications.

Hose stations are provided for manual fire suppression. In the event that a hose station becomes inoperable, additional fire suppression equipment will be provided.

TABLE 3.12.1 FIRE DETECTION INSTRUMENTATION

<u>Fire Area/Zone</u>	<u>Location</u>	<u>Detector Zone</u>	<u>Required # of Detectors</u>
1	Rx.Bldg. 119' elev.	Sprinkler Sys. #10	1 (WFS)
1	" 95' "	NA	24*
1	" 75' "	NA	22*
1	" 75' "	Sprinkler Sys. #11	1 (WFS)
1	" 51' "	RK01/RK02	2
	" 51' "	1 - North	6 +
	" 51' "	2 - North	7 +
	" 51' "	1 - South	6 +
	" 51' "	2 - South	6 +
	" 38'/51' "	Shutdown Pump Rm.	7
1	" 23' "	1 - North	6 +
	" 23' "	2 - North	5 +
	" 23' "	1 - South	6 +
	" 23' "	2 - South	6 +
1	" -19' "	NA	4 (1 per corner rm.)
3	4160 Swgr. Rm.	Vault	2 (1 in "C" and 1 in "D")
	4160 Swgr. Rm.	Gen. Area	5
	4160 Swgr. Rm.	Battery Rm.	1
4	Cable Spread Rm.	4A-Zone 1	3 +
	"	4A-Zone 2	3 +
	"	4B-Zone 3	4 +
	"	4B-Zone 4	5 +
5	Control Room	Gen. Area	5
	"	A-Zone 1	3 +
	"	A-Zone 2	3 +
	"	B-Zone 1	7*+
	"	B-Zone 2	7*+
	"	C-Zone 1	1 +
	"	C-Zone 2	1 +
	"	Duct	1

TABLE 3.12.1 FIRE DETECTION INSTRUMENTATION

<u>Fire Area/Zone</u>	<u>Location</u>	<u>Detector Zone</u>	<u>Required # of Detectors</u>
6	480 Swgr. Rm.	Zone 1	9 +
	"	Zone 2	8 +
	"	Corridor	1
7	"A" & "B" Battery Rm.	Zone 1	4 +
	"	Zone 2	4 +
	"	Zone 4 (Duct)	1 +
8	MG Set Rm.	NA	1 (WFS)
10	Monitor & Change Rm.	Below Ceiling	2
	"	Above Ceiling	10*
	"	Sprinkler Sys. #12	1 (WFS)
10/1	Laundry Room	Sprinkler Sys. #13	1 (WFS)
11/3	Condenser Bay	Sprinkler Sys. #2	1 (P.S.)
11/1	Turb. Lube Oil	Deluge Sys. #3	1 (P.S.)
11/2	Turb. Basement South	Sprinkler Sys. 9	1 (WFS)
12	Transformers	Deluge Sys. #1	1 (P.S.)
	"	Deluge Sys. #2	1 (P.S.)
15	Emer. Diesel #1	Thermal	5
	"	Ionization	1
16	Fuel Storage Area	NA	1
17	Emer. Diesel #2	Thermal	5
		Ionization	1
18	Fire Water Pump House	NA	4 +

*No two adjacent detectors may be inoperable.

WFS - Water Flow Switch

P.S. - Pressure Switch

+These detectors actuate automatic suppression systems

TABLE 3.12.2 SPRAY/SPRINKLER SYSTEMS

<u>Fire Area</u>	<u>Location</u>	<u>System</u>
1	Rx. Bldg. 119'	Sprinkler Sys. #10
1	Rx. Bldg. 75'	Sprinkler Sys. #11
1	Rx. Bldg. 51'-N	Deluge Sys. #5
1	" -S	Deluge Sys. #6
1	Rx. Bldg. 23'-N	Deluge Sys. #7
	" -S	Deluge Sys. #8
4	Cable Spread Room	Deluge Sys. #4A
	"	Deluge Sys. #4B
8	MG Set Room	Sprinkler Sys. #4
10	Monitor & Change Rm.	Sprinkler Sys. #12
10	Laundry Room	Sprinkler Sys. #13
11	Condenser Bay	Sprinkler Sys. #2
11	Turb. Lube Oil Bay	Deluge Sys. #3
11	Turb. Basement South	Sprinkler Sys. #9
12	Transformers	Deluge Sys. #1
	"	Deluge Sys. #2
18	Fire Water Pump House	Deluge Sys. #9

TABLE 3.12.3 HOSE STATIONS

<u>Fire Area</u>	<u>Zone</u>	<u>Hose Station No.</u>	<u>Locations</u>
11	2	3	Turb. Basement - S
11	2	4	Turb. Basement - S
11	1	8	Turb. Basement - N
11	1	9	Turb. Basement - N
11	3	10	Condenser Bay
11	3	11	Condenser Bay
11	3	12	Condenser Bay
11	3	13	Condenser Bay
1	-	29	Rx Bldg. 23'
1	-	30	Rx Bldg. 23'
1	-	31	Rx Bldg. 23'
1	-	32	Rx Bldg. 23'
1	-	33	Rx Bldg. 23'
1	-	34	Rx Bldg. -19'
1	-	35	Rx Bldg. -19'
1	-	36	Rx Bldg. -19'
1	-	37	Rx Bldg. -19'
1	-	38	Rx Bldg. 51'
1	-	39	Rx Bldg. 51'
1	-	40	Rx Bldg. 51'
1	-	41	Rx Bldg. 51'
1	-	42	Rx Bldg. 75'
1	-	43	Rx Bldg. 75'
1	-	44	Rx Bldg. 75'
1	-	45	Rx Bldg. 75'

TABLE 3.12.3 HOSE STATIONS

<u>Fire Area</u>	<u>Zone</u>	<u>Hose Station No.</u>	<u>Locations</u>
1	-	46	Rx Bldg. 95'
1	-	47	Rx Bldg. 95'
1	-	48	Rx Bldg. 95'
1	-	49	Rx Bldg. 95'
1	-	50	Rx Bldg.119'
1	-	51	Rx Bldg.119'
4	-	52	Cable Room
5	-	53	Control Rm.
10	1	54	Chem. Lab.
11	2	55	Turb. Basement S

TABLE 3.12.4 HALON SYSTEM

<u>Halon 1301 Sys.</u>	<u>Fire Area</u>	<u>Location</u>	<u>Min. No. of Charged Tanks</u>
1. Battery Room A & B	7	Battery Room (Ofc. Bldg.)	1
Cable Tray Room		Instrument Shop (Ofc. Bldg.)	
2. 480 Volt Switchgear	6	23' Elev. Between Rx. Bldg. & Turb. Bldg.	3
3. Control Room Panels	5	Control Room	2

TABLE 3.12-5 HYDRANTS AND HOSE HOUSES

<u>Fire Area</u>	<u>Hydrant No.</u>	<u>Hose House No.</u>	<u>Location</u>
12,15,16,17	3	5	Diesel Gen & Transformer Area
14	2	2	Intake Structure

4.12 Fire Protection

Applicability: Applies to the surveillance requirements of the Fire Protection Systems in safety related areas/zones.

Objective: To specify the minimum frequency and type of surveillance to be applied to fire protection equipment and instrumentation.

Specifications:

A. Fire Detection Instrumentation

1. Each of the instruments in Table 3.12.1 shall be demonstrated operable by a channel function test at least once per 6 months.
2. The NFPA Code 72D(1977) Class A supervised circuits supervision associated with the detector alarms of each of the above required fire detection instruments shall be demonstrated operable at least once per 6 months.

B. Fire Suppression Water System

1. The Fire Suppression Water System shall be demonstrated operable:
 - a. At least once per month on a staggered test basis by starting each pump and operating it for at least (15) minutes on recirculation flow.
 - b. At least once per month by verifying that each valve in the flow path is in its correct position.
 - c. At least once per 12 months by performance of a system flush.
 - d. At least once per 12 months by cycling each testable valve in the flow path through at least one complete cycle of full travel.
 - e. At least once per 18 months by performing a system functional test which includes simulated automatic actuation of the system throughout its operating sequence, and:
 1. Verifying that each pump develops at least 2000 gpm at a system head of 360 feet.
 2. Verifying that the pump operates for greater than or equal to 60 minutes.
 3. Verifying that each high pressure pump starts sequentially to maintain the fire suppression water system pressure at 125 psig or greater.

- f. At least once per 3 years by performing a flow test of the system in accordance with Chapter 5, Section 11 of the Fire Protection Handbook, 14th Edition published by the National Fire Protection Association.
2. The Fire Pump Diesel Engine shall be demonstrated operable.
 - a. At least once per month by verifying the fuel storage tank contains at least 275 gallons of fuel.
 - b. At least once per month by verifying that the diesel starts from ambient conditions and operates for at least 30 minutes on a circulation flow.
 - c. At least once per 3 months by verifying that a fuel sample, obtained in accordance with ASTM-0270-65, from each tank is within the acceptable limits specified in Table 1 of ASTM D 975-1974 when checked for viscosity, water and sediment.
 3. The Fire Pump Diesel 24 volt battery bank and associated charger shall be demonstrated operable:
 - a. At least once per week by verifying that:
 1. The electrolyte level of each cell is above the plates,
 2. The pilot cell voltage is greater than or equal to 2.0 volts,
 3. The pilot cell specific gravity, corrected to 77F, will be recorded for surveillance review,
 4. The overall battery voltage is greater than or equal to 24 volts.
 - b. At least once per 3 months by verifying that:
 1. The voltage of each connected cell is greater than or equal to 2.0 volts,
 2. The specific gravity, corrected to 77 F, of each cell will be recorded for surveillance review.
 3. The electrolyte level of each cell is above the plates.
 - c. At least once per 18 months by verifying that:
 1. The batteries, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration, and

2. The battery-to-battery and terminal connections are clean, tight, free of corrosion and coated with an anti-corrosion material.

C. Spray and/or Sprinkler Systems

1. The spray and/or sprinkler systems listed in Table 3.12.2 shall be demonstrated operable at least once per 18 months:
 - a. By performing a system functional test which includes simulated automatic actuation of the system and verifying that the automatic valves in the flow path actuate to their correct positions.
 - b. By inspection of the water headers to verify their integrity.
 - c. By inspection of each open spray nozzle to verify no blockage.

D. Hose Stations

1. Each of the hose stations listed in Table 3.12.3 shall be verified operable:
 - a. At least once per month by visual inspection of the station to assure all equipment is available.
 - b. At least once per 18 months by removing the hose for inspection and reracking and replacing all gaskets in the couplings that are degraded.
 - c. At least once per 3 years by:
 1. Partially opening each hose station valve to verify valve operability and no flow blockage.
 2. Conducting a hose hydrostatic test at a pressure at least 50 psig greater than the maximum pressure available at that hose station.

E. Penetration Fire Barrier

1. Each penetration fire barrier in fire area boundaries shall be verified to be functional by a visual inspection:
 - a. At least once per 18 months, and
 - b. Prior to declaring a penetration fire barrier functional following repairs or maintenance.

F. Low Pressure Carbon Dioxide(CO2) System

1. The CO2 system for the 4160 volt emergency switchgear vault shall be demonstrated operable:
 - a. At least once per week by verifying that the storage tank level is greater than or equal to 1/2 full and the pressure is at least 275 psig.
 - b. At least once per month by verifying that each manual valve in the flow path is in its correct position.
 - c. At least once per 18 months by verifying that:
 1. The system valves and associated ventilation dampers actuate automatically upon receipt of a simulated actuation signal, and
 2. Flow is observed from each nozzle during a "puff test".

G. Halon Systems

1. Each of the Halon Systems listed in Table 3.12.4 shall be demonstrated operable:
 - a. At least once per 6 months by verifying Halon storage tank weight or level and pressure.
 - b. At least once per 18 months by:
 1. Verifying the system, including associated ventilation dampers, actuates manually and automatically, upon receipt of a simulated test signal.
 2. Performance of a flow test through headers and nozzles to assure no blockage.

H. Yard Fire Hydrants and Hydrant Hose Houses.

1. Each of the yard fire hydrants and associated hydrant hose houses shown in Table 3.12.5 shall be demonstrated operable:
 - a. At least once per 31 days by visual inspection of the hydrant hose house to assure all required equipment is at the hose house.
 - b. At least once per 6 months (once during March, April, or May and once during

September, October or November) by visually inspecting each yard fire hydrant and verifying that the hydrant barrel is dry and that the hydrant is not damaged.

c. At least once per 12 months by:

1. Conducting a hose hydrostatic test and a pressure at least 50 psig greater than the maximum pressure available at any yard fire hydrant.
2. Inspecting all the gaskets and replacing any degraded gaskets in the couplings.
3. Performing a flow check of each hydrant to verify its operability.

Basis:

Fire Protection systems are normally inactive and require periodic examination and testing to assure their readiness to respond to a fire situation. These specifications detail inspections and tests which will demonstrate that this equipment is capable of performing its intended function.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

FOR OYSTER CREEK NUCLEAR GENERATING STATION

SUPPORTING AMENDMENT NO. 58 TO PROVISIONAL OPERATING LICENSE NO. DPR-16

JERSEY CENTRAL POWER & LIGHT COMPANY

DOCKET NO. 50-219

1.0 INTRODUCTION

By letter dated July 14, 1980, as revised May 6, 1981, Jersey Central Power & Light Company (the licensee) requested an amendment to Provisional Operating License No. DPR-16 for the Oyster Creek Nuclear Generating Station. This amendment would authorize Technical Specification changes for additional fire protection systems that were installed during the 1980 refueling outage. This action is supported by the Safety Evaluation Report dated March 3, 1978, as supplemented June 29, and November 13, 1979, and August 25, 1980. The changes specifically affect Section 3.12, operating status of Fire Detection/Suppression Systems, and Section 4.12, Surveillance Requirements of the Fire Protection Systems. Also, revisions to existing tables in Section 3.12 have been incorporated to include system expansions which were implemented during the 1980 outage.

2.0 DISCUSSION AND EVALUATION

Oyster Creek Technical Specification Section 3.12 requires assurance that fires in safety-related areas are detected and suppressed at an early stage to minimize damage to safety-related equipment. The licensee has incorporated an operable flow path for the Suppression Water System capable of taking suction from the fire pond and distributing water to the yard hydrant curb valves, and the water flow alarm device on each sprinkler and spray system riser. With one or more of the spray/sprinkler systems inoperable a requirement to establish a continuous fire watch within one hour with backup fire suppression equipment has been imposed for the Fire Barrier Penetrations with one or more of the penetrations non-functional. The change also includes (1) Halon systems for Battery Rooms A and B/Cable Tray Room, 480 volt switchgear area and control room panels, (2) 4160 volt switchgear CO₂ systems, and (3) addition of yard fire hydrants and hydrant hose houses. Specific reporting requirements and designated plans of action are also incorporated into the change request. We find that the modifications to the fire suppression systems are in keeping with existing nuclear power plant standards and, therefore, the proposed change to Section 3.12 of the Technical Specification is acceptable.

Section 4.12 of the Technical Specifications establishes the minimum frequency and type of surveillance to be applied to fire protection equipment and instrumentation to demonstrate that they are capable of performing the intended function. The proposed change includes modifications to the surveillance requirements for the Suppression Water System, Spray and Sprinkler Systems, and the Fire Hose Stations. Also, additional criteria has been established for the Fire Pump Diesel Engine and associated Battery Bank, Penetration Fire Barriers, the Low Pressure CO₂ System and Halon Systems, and the Yard Hydrants and Hydrant Hose Houses. These specifications detail the inspection frequency and tests to assure that the Fire Suppression Systems are ready to respond to a fire situation when required. We have reviewed the request and find it to be in keeping with existing nuclear power plant standards. As a result, we conclude that the change to Section 4.12 of the Technical Specification is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: December 21, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-219JERSEY CENTRAL POWER & LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO
PROVISIONAL OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 58 to Provisional Operating License No. DPR-16, issued to Jersey Central Power & Light Company (the licensee), which revised the Technical Specifications for operation of the Oyster Creek Nuclear Generating Station (the facility) located in Ocean County, New Jersey. The amendment is effective as of its date of issuance.

This amendment incorporates Technical Specification requirements on additional fire protection systems that were installed during the 1980 refueling outage.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

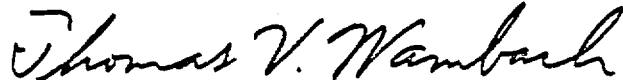
The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

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For further details with respect to this action, see (1) the application for amendment dated July 14, 1980, and a revision thereto dated May 6, 1981, (2) Amendment No. 58 to License No. DPR-16, including the Commission's letter of transmittal, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. 20555 and at the Ocean County Library, Brick Township Branch, 401 Chambers Bridge Road, Brick Town, New Jersey 08723. A single copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 21st day of December, 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas V. Wambach, Acting Chief
Operating Reactors Branch #5
Division of Licensing