



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

PHILADELPHIA ELECTRIC COMPANY

DOCKET NO. 50-352

LIMERICK GENERATING STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 24
License No. NPF-39

1. The Nuclear Regulatory Commission (the Commission) has found that
 - A. The application for amendment by Philadelphia Electric Company (the licensee) dated April 10, 1989, 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 2.C.(2) of Facility Operating License No. NPF-39 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 24, are hereby incorporated into this license. Philadelphia Electric Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective upon issuance of an operating license to Limerick Generating Station, Unit No. 2.

FOR THE NUCLEAR REGULATORY COMMISSION

/s/

Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 15, 1989

PDI-2/LA
MO'Brien
1 / 89

PDI-2/PM
E. Pottier:mr
06/08/89

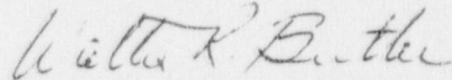
PDI-2/PM
R. Clark
06/08/89

OGC
6/13/89

PDI-2/D
W. Butler
6/15/89

3. This license amendment is effective upon issuance of an operating license to Limerick Generating Station, Unit No. 2.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 15, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 24

FACILITY OPERATING LICENSE NO. NPF-39

DOCKET NO. 50-352

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

<u>Remove</u>	<u>Insert</u>
3/4 8-15	3/4 8-15
3/4 8-16	3/4 8-16
--	3/4 8-16a
--	--
3/4 8-17	3/4 8-17
3/4 8-18	3/4 8-18
--	3/4 8-18a
--	--
3/4 8-19	3/4 8-19
3/4 8-20	3/4 8-20

ELECTRICAL POWER SYSTEMS

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.3.1 The following power distribution system divisions shall be energized:

a. A.C. power distribution:

1. Unit 1 Division 1, Consisting of:

- | | | |
|----|--------------------------------|--------------------|
| a) | 4160-VAC Bus: | D11 (10A115) |
| b) | 480-VAC Load Center: | D114 (10B201) |
| c) | 480-VAC Motor Control Centers: | D114-R-C1 (10B219) |
| | | D114-R-C (10B213) |
| | | D114-R-G (10B211) |
| | | D114-R-G1 (10B215) |
| | | D114-D-G (10B515) |
| d) | 120-VAC Distribution Panels: | 10Y101 |
| | | 10Y206 |

2. Unit 2 Division 2, Consisting of:

- | | | |
|----|--------------------------------|--------------------|
| a) | 4160-VAC Bus: | D12 (10A116) |
| b) | 480-VAC Load Center: | D124 (10B202) |
| c) | 480-VAC Motor Control Centers: | D124-R-C1 (10B220) |
| | | D124-R-C (10B214) |
| | | D124-R-G (10B212) |
| | | D124-R-G1 (10B216) |
| | | D124-D-G (10B516) |
| d) | 120-VAC Distribution Panels: | 10Y102 |
| | | 10Y207 |

3. Unit 1 Division 3, Consisting of:

- | | | |
|----|--------------------------------|--------------------|
| a) | 4160-VAC Bus: | D13 (10A117) |
| b) | 480-VAC Load Center: | D134 (10B203) |
| c) | 480-VAC Motor Control Centers: | D134-R-H1 (10B221) |
| | | D134-R-H (10B217) |
| | | D134-R-E (10B223) |
| | | D134-C-B (00B131) |
| | | D134-D-G (10B517) |
| d) | 120-VAC Distribution Panels: | 10Y103 |
| | | 10Y163 |

4. Unit 1 Division 4, Consisting of:

- | | | |
|----|----------------------|---------------|
| a) | 4160-VAC Bus: | D14 (10A118) |
| b) | 480-VAC Load Center: | D144 (10B204) |

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

- c) 480-VAC Motor Control Centers: D144-R-G (10B222)
D144-R-H (10B218)
D144-R-E (10B224)
D144-C-B (00B132)
D144-D-G (10B518)
- d) 120-VAC Distribution Panels: 10Y104
10Y164
5. Unit 2 and Common Division 1, Consisting of:
- a) 4160-VAC bus: D21 (20A115)
- b) 480-VAC load center: D214 (20B201)
- c) 480-VAC motor control centers: D114-S-L (00B519)
D214-R-C (20B213)
D214-D-G (20B515)
- d) 120-VAC distribution panels: 01Y501
20Y101
20Y206
6. Unit 2 and Common Division 2, Consisting of:
- a) 4160-VAC bus: D22 (20A116)
- b) 480-VAC load center: D224 (20B202)
- c) 480-VAC motor control centers: D124-S-L (00B520)
D224-D-G (20B516)
- d) 120-VAC distribution panels: 02Y501
20Y102
20Y207
7. Unit 2 and Common Division 3, Consisting of:
- a) 4160-VAC bus: D23 (20A117)
- b) 480-VAC load center: D234 (20B203)
- c) 480-VAC motor control centers: D234-S-L (00B521)
D234-D-G (20B517)
- d) 120-VAC distribution panels: 03Y501
20Y103
20Y163
8. Unit 2 and Common Division 4, Consisting of:
- a) 4160-VAC bus: D24 (20A118)
- b) 480-VAC load center: D224 (20B204)
- c) 480-VAC motor control centers: D244-S-L (00B522)
D244-D-G (20B518)
- d) 120-VAC distribution panels: 04Y501
20Y104
20Y164

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

b. D.C. Power Distribution Panels

1. Unit 1 Division 1, Consisting of:

a)	250-V DC Fuse Box:	1FA	(1AD105)
b)	250-V DC Motor Control Centers:	1DA	(10D201)
c)	125-V DC Distribution Panels:	1PPA1	(1AD102)
		1PPA2	(1AD501)
		1PPA3	(1AD162)

2. Unit 1 Division 2, Consisting of:

a)	250-V DC Fuse Box:	1FB	(1BD105)
b)	250-V DC Motor Control Centers:	1DB-1	(10D202)
		1DB-2	(10D203)
c)	125-V DC Distribution Panels:	1PPB1	(1BD102)
		1PPB2	(1BD501)
		1PPB3	(1BD162)

3. Unit 1 Division 3, Consisting of:

a)	125-V DC Fuse Box:	1FC	(1CD105)
b)	125-V DC Distribution Panels:	1PPC1	(1CD102)
		1PPC2	(1CD501)
		1PPC3	(1CD162)

4. Unit 1 Division 4, Consisting of:

a)	125-V DC Fuse Box:	1FD	(1DD105)
b)	125-V DC Distribution Panels:	1PPD1	(1DD102)
		1PPD2	(1DD501)
		1PPD3	(1DD162)

5. Unit 2 and Common Division 1, Consisting of:

a)	250-V DC Fuse Box:	2FA	(2AD105)
b)	125-V DC Distribution Panels:	2PPA1	(2AD102)
		2PPA2	(2AD501)

6. Unit 2 and Common Division 2, Consisting of:

a)	250-V DC Fuse Box:	2FB	(2BD105)
b)	125-V DC Distribution Panels:	2PPB1	(2BD102)
		2PPB2	(2BD501)

7. Unit 2 and Common Division 3, Consisting of:

a)	250-V DC Fuse Box:	2FC	(2CD105)
b)	125-V DC Distribution panels;	2PPC1	(2CD102)
		2PPC2	(2CD501)

8. Unit 2 and Common Division 4, Consisting of:

a)	250-V DC Fuse Box:	2FD	(2DD105)
b)	125-V DC Distribution Panels:	2PPD1	(2DD102)
		2PPD2	(2DD501)

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With one of the above required Unit 1 A.C. distribution system divisions not energized, reenergize the division within 24 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With one of the above required Unit 1 D.C. distribution system divisions not energized, reenergize the division within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With any of the above required Unit 2 and common AC and/or DC distribution system divisions not energized, declare the associated common equipment inoperable, and take the appropriate ACTION for that system.

SURVEILLANCE REQUIREMENTS

4.8.3.1 Each of the above required power distribution system divisions shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/MCCs/panels.

ELECTRICAL POWER SYSTEMS

DISTRIBUTION - SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.3.2 As a minimum, 2 of the 4 divisions of the power distribution system shall be energized with:

a. A.C. power distribution:

1. Unit 1 Division 1, Consisting of:

- | | |
|-----------------------------------|--------------------|
| a) 4160-VAC Bus: | D11 (10A115) |
| b) 480-VAC Load Center: | D114 (10B201) |
| c) 480-VAC Motor Control Centers: | D114-R-C1 (10B219) |
| | D114-R-C (10B213) |
| | D114-R-G (10B211) |
| | D114-R-G1 (10B215) |
| | D114-D-G (10B515) |
| d) 120-VAC Distribution Panels: | 10Y101 |
| | 10Y206 |

2. Unit 1 Division 2, Consisting of:

- | | |
|-----------------------------------|--------------------|
| a) 4160-VAC Bus: | D12 (10A116) |
| b) 480-VAC Load Center: | D124 (10B202) |
| c) 480-VAC Motor Control Centers: | D124-R-C1 (10B220) |
| | D124-R-C (10B214) |
| | D124-R-G (10B212) |
| | D124-R-G1 (10B216) |
| | D124-D-G (10B516) |
| d) 120-VAC Distribution Panels: | 10Y102 |
| | 10Y207 |

3. Unit 1 Division 3, Consisting of:

- | | |
|-----------------------------------|--------------------|
| a) 4160-VAC Bus: | D13 (10A117) |
| b) 480-VAC Load Center: | D134 (10B203) |
| c) 480-VAC Motor Control Centers: | D134-R-H1 (10B221) |
| | D134-R-H (10B217) |
| | D134-R-E (10B223) |
| | D134-C-B (00B131) |
| | D134-D-G (10B517) |
| d) 120-VAC Distribution Panels: | 10Y103 |
| | 10Y163 |

4. Unit 1 Division 4, Consisting of:

- | | |
|-------------------------|---------------|
| a) 4150-VAC Bus: | D14 (10A118) |
| b) 480-VAC Load Center: | D144 (10B204) |

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

- c) 480-VAC Motor Control Centers: D144-R-G (10B222)
D144-R-H (10B218)
D144-R-E (10B224)
D144-C-B (00B132)
D144-D-G (10B518)
- d) 120-VAC Distribution Panels: 10Y104
10Y164
- 5. Unit 2 and Common Division 1, Consisting of:
 - a) 4160-VAC Bus: D21 (20A115)
 - b) 480-VAC Load Center: D214 (20B201)
 - c) 480-VAC Motor Control Centers: D114-S-L (00B519)
D214-R-C (20B213)
D214-D-G (20B515)
 - d) 120-VAC Distribution Panels: 01Y501
20Y101
20Y206
- 6. Unit 2 and Common Division 2, Consisting of:
 - a. 4160-VAC Bus: D22 (20A116)
 - b. 480-VAC Load Center: D224 (20B202)
 - c. 480-VAC Motor Control Centers: D124-S-L (00B520)
D224-D-G (20B516)
 - d. 120-VAC Distribution Panels: 02Y501
20Y102
20Y207
- 7. Unit 2 and Common Division 3, Consisting of:
 - a. 4160-VAC Bus: D23 (20A117)
 - b. 480-VAC Load Center: D234 (20B203)
 - c. 480-VAC Motor Control Centers: D234-S-L (00B521)
D234-D-G (20B517)
 - d. 120-VAC Distribution Panels: 03Y501
20Y103
20Y163
- 8. Unit 2 and Common Division 4, Consisting of:
 - a. 4160-VAC Bus: D24 (20A118)
 - b. 480-VAC Load Center: D224 (20B204)
 - c. 480-VAC Motor Control Centers: D244-S-L (00B522)
D244-D-G (20B518)
 - d. 120-VAC Distribution Panels: 04Y501
20Y104
20Y164

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

b. D.C. power distribution:

1. Unit 1 Division 1, Consisting of:
 - a) 250-V DC Fuse Box: 1FA (1AD105)
 - b) 250-V DC Motor Control Center: 1DA (10D201)
 - c) 125-V DC Distribution Panels: 1PPA1 (1AD102)
1PPA2 (1AD501)
1PPA3 (1AD162)
2. Unit 1 Division 2, Consisting of:
 - a) 250-V DC Fuse Box: 1FB (1BD105)
 - b) 250-V DC Motor Control Centers: 1DB-1 (10D202)
1DB-2 (10D203)
 - c) 125-V DC Distribution Panels: 1PPB1 (1BD102)
1PPB2 (1BD501)
1PPB3 (1BD162)
3. Unit 1 Division 3, Consisting of:
 - a) 125-V DC Fuse Box: 1FC (1CD105)
 - b) 125-V DC Distribution Panels: 1PPC1 (1CD102)
1PPC2 (1CD501)
1PPC3 (1CD162)
4. Unit 1 Division 4, Consisting of:
 - a) 125-V DC Fuse Box: 1FD (1DD105)
 - b) 125-V DC Distribution Panels: 1PPD1 (1DD102)
1PPD2 (1DD501)
1PPD3 (1DD162)
5. Unit 2 and Common Division 1, Consisting of:
 - a) 250-V DC Fuse Box: 2FA (2AD105)
 - b) 125-V DC Distribution Panels: 2PPA1 (2AD102)
2PPA2 (2AD501)
6. Unit 2 and Common Division 2, Consisting of:
 - a) 250-V DC Fuse Box: 2FB (2BD105)
 - b) 125-V DC Distribution Panels: 2PPB1 (2BD102)
2PPB2 (2BD501)
7. Unit 2 and Common Division 3, Consisting of:
 - a) 250-V DC Fuse Box: 2FC (2CD105)
 - b) 125-V DC Distribution Panels: 2PPC1 (2CD102)
2PPC2 (2CD501)
8. Unit 2 and Common Division 4, Consisting of:
 - a) 250-V DC Fuse Box: 2FD (2DD105)
 - b) 125-V DC Distribution Panels: 2PPD1 (2DD102)
2PPD2 (2DD501)

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

APPLICABILITY: OPERATIONAL CONDITIONS 4, 5, and *.

ACTION:

- a. With less than two divisions of the above required Unit 1 A.C. distribution systems energized, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
- b. With less than two divisions of the above required Unit 1 D.C. distribution systems energized, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
- c. With any of the above required Unit 2 and common AC and/or DC distribution system divisions not energized, declare the associated common equipment inoperable, and take the appropriate ACTION for that system.
- d. The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.8.3.2 At least the above required power distribution system divisions shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/MCCs/panels.

*When handling irradiated fuel in the secondary containment.