



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. 5
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 June 1, 1990 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. 45, are hereby incorporated into this license. Philadelphia Electric Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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PDR ADDOCK 05000352
P PNU

3. This license amendment is effective October 1, 1990.

FOR THE NUCLEAR REGULATORY COMMISSION

/s/

Walter R. Butler, Director
Project Directorate 1-2
Division of Reactor Projects - 1/II

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 19, 1990

Document Name: TAC NO. 76860

W. J. LA
W. J. LA
8/24/90

PDI-2/PM
R. Clark
08/10/90

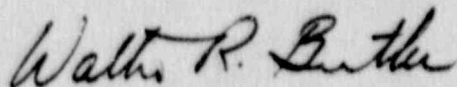
PDI-2/D
W. Butler
9/17/90

OGC
J. Hull
8/29/90

J. Hull
Subject to revisions
as noted in SER
Draft

3. This license amendment is effective October 1, 1990.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects - 1/11

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 19, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 45

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. Overleaf pages are provided to maintain document completeness.*

Remove

3/4 3-77
3/4 3-78

3/4 8-23
3/4 8-24

Insert

3/4 3-77
3/4 3-78*

3/4 8-23*
3/4 8-24

TABLE 3.3.7.4-1

REMOTE SHUTDOWN SYSTEM INSTRUMENTATION AND CONTROLS

<u>INSTRUMENT</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>
1. Reactor Vessel Pressure	1
2. Reactor Vessel Water Level	1
3. Safety/Relief Valve Position, 3 valves	1/valve
4. Suppression Chamber Water Level	1
5. Suppression Chamber Water Temperature	1
6. Drywell Pressure	1
7. Drywell Temperature	1
8. RHR System Flow	1
9. RHR Service Water Pump Discharge Pressure	1
10. RHR Heat Exchanger Service Water Outlet Pressure	1
11. RCIC System Flow	1
12. RCIC Turbine Speed	1
13. Emergency Service Water Pump Discharge Pressure	1
14. Condensate Storage Tank Level	1
15. RHR Heat Exchanger Bypass Valve (HV51-1F048A) Position Indication (0 - 100%)	1
16. RCIC Turbine Tripped Indication	1
17. RCIC Turbine Bearing Oil Pressure Low Indication	1
18. RCIC LP Bearing Oil Temperature High Indication	1
19. RHR Heat Exchanger Discharge Line High Radiation Indication	1

LIMERICK - UNIT 1

3/4 3-77

Amendment No. 45

TABLE 3.3.7.4-1 (Continued)

REMOTE SHUTDOWN SYSTEM CONTROLS

RCIC SYSTEM

HSS-49-191	Control-Transfer Switch
HSS-49-192	Control-Transfer Switch
HSS-49-193	Control-Transfer Switch
HSS-49-195	Control-Transfer Switch
HSS-49-196	Control-Transfer Switch
HV-49-1F076	Control-Steam Line warmup bypass valve
HV-49-1F060	Control-RCIC turb exhaust to suppression pool isolation
HV-50-112	Control-Turb trip throttle valve
HV-50-1F045	Control-Turbine steam supply valve
HV-49-1F008	Control-Turbine steam line outboard isolation valve
HV-49-1F007	Control-Turbine steam line inboard isolation valve
HV-49-1F031	Control-RCIC pump suction from suppression pool
HV-49-1F029	Control-RCIC pump suction from suppression pool
HV-49-1F010	Control-RCIC pump suction from condensate storage tank
HV-49-1F019	Control-Minimum flow bypass to suppression pool
HV-49-1F022	Control-Test return to condensate storage tank
HV-50-1F046	Control-RCIC turbine cooling water valve
HV-49-1F012	Control-RCIC pump disch valve
HV-49-1F013	Control-RCIC pump disch valve
10P220	Control-Vacuum tank condensate pump
10P219	Control-Barometric condenser vacuum pump
HV-49-1F002	Control-Barometric condenser vacuum pump disch

TABLE 3.8.4.1-1

PRIMARY CONTAINMENT PENETRATION CONDUCTOR

OVERCURRENT PROTECTIVE DEVICES

1. 4160-VOLT CIRCUIT BREAKERS

CIRCUIT BREAKER NO.	LOCATION	SYSTEMS OR EQUIPMENT POWERED
152-20101	10A201	1A Reactor Recirc Pump, 'A' RPT Breaker
152-20102	10A201	1A Reactor Recirc Pump 'B' RPT Breaker
152-20201	10A202	1B Reactor Recirc Pump 'A' RPT Breaker
152-20202	10A202	1B Reactor Recirc Pump 'B' RPT Breaker

2. 480-VOLT MOLDED CASE BREAKERS*

*Primary and backup breakers have the same device numbers and are located in the same Motor Control Center cubicle.

CIRCUIT BREAKER NO.	LOCATION	TYPES	SYSTEMS OR EQUIPMENT POWERED
52-21108	D114-R-G	IM HFB100 TM HFB100	1A1 Drywell Area Unit Cooler 1A1V212
52-21109	D114-R-G	IM HFB100 TM HFB100	1E1 Drywell Area Unit Cooler 1E1V212
52-21110	D114-R-G	IM HFB100 TM HFB100	1C1 Drywell Area Unit Cooler 1C1V212
52-21111	D114-R-G	IM HFB100 TM HFB100	1G1 Drywell Area Unit Cooler 1G1V212
52-21124	D114-R-G	IM HFB25 TM HFB100	RHR S/D Clg. Suction Inbrd Isol Vlv HV-51-1F009
52-21126	D114-R-G	IM HFB50 TM HFB100	RWCU Inbrd Isol Vlv HV-44-1F001
52-21138	D114-R-G	IM HFB25 TM HFB40	Mn Stm Line Drain Inbrd Isol Vlv HV-41-1F016
52-21141	D114-R-G	IM HFB25 TM HFB40	Inst Gas Compr Suct Line Inbrd Isol Vlv HV-59-101

TABLE 3.8.4.1-1 (Continued)

PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTIVE DEVICES

2. 480-VOLT MOLDED CASE BREAKERS (Continued)

CIRCUIT BREAKER NO.	LOCATION	TYPES	SYSTEMS OR EQUIPMENT POWERED
52-21208	D124-R-G	IM HFB100 TM HFB100	1B1 Drywell Area Unit Cooler 1B1V212
52-21209	D124-R-G	IM HFB100 TM HFB100	1F1 Drywell Area Unit Cooler 1F1V212
52-21210	D124-R-G	IM HFB100 TM HFB100	1D1 Drywell Area Unit Cooler 1D1V212
52-21211	D124-R-G	IM HFB100 TM HFB100	1H1 Drywell Area Unit Cooler 1H1V212
52-21216	D124-R-G	IM HFB25 TM HFB100	1B Reactor Recirc Pump Suction Vlv HV-43-1F023B
52-21309	D114-R-C	IM HFB50 TM HFB150	Feedwater Line 'A' Inbrd Maint Vlv HV-41-1F011A
52-21331	D114-R-C	IM HFB25 TM HFB40	RCIC Mn Stm Supply Inbrd Isol Vlv HV-49-1F007 Emergency Power
52-21707	D134-R-H	IM HFB100 TM HFB100	1C2 Drywell Area Unit Cooler 1C2V212
52-21708	D134-R-H	IM HFB100 TM HFB100	1G2 Drywell Area Unit Cooler 1G2V212
52-21807	D144-R-H	IM HFB100 TM HFB100	1D2 Drywell Area Unit Cooler 1D2V212
52-21808	D144-R-H	IM HFB100 TM HFB100	1F2 Drywell Area Unit Cooler 1F2V212
52-22310	D134-R-E	IM HFB100 TM HFB100	1A2 Drywell Area Unit Cooler 1A2V212
52-22311	D134-R-E	IM HFB100 TM HFB100	1E2 Drywell Area Unit Cooler 1E2V212
52-22313	D134-R-E	IM HFB25 TM HFB40	RCIC Mn Stm Supply Inbrd Isol Vlv HV-49-1F007
52-22314	D134-R-E	IM HFB50 TM HFB100	Feedwater Line 'B' Inbrd. Maint Vlv HV-41-1F011B