



**PECO NUCLEAR**

A Unit of PECO Energy

PECO Energy Company  
PO Box 2300  
Sanatoga, PA 19464-0920

T.S.6.9.1.6

August 13, 2000

Docket Nos. 50-352  
50-353

License Nos. NPF-39  
NPF-85

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Limerick Generating Station  
Monthly Operating Report For Units 1 and 2

Enclosed are the monthly operating reports for Limerick Units 1 and 2 for the month of July 2000 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

*Mark A. Aldefer for JMA*

James M. Armstrong  
Director - Site Engineering

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Enclosures

cc: H. J. Miller, Administrator, Region I, USNRC  
A. L. Burritt, USNRC Senior Resident Inspector LGS  
J. D. von Suskil, Vice President, LGS  
S. T. Gamble, LGS Experience Assessment Branch, SSB2-4  
P. R. Driehaus, Jr., LGS ISEG Branch, SMB-2-5

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Limerick Generating Station  
Unit 1  
July 1 through July 31, 2000

I. Narrative Summary of Operating Experiences

Unit 1 began the month of July 2000 at 100% of rated thermal power (RTP).

On July 9<sup>th</sup> at 0930 hours reactor power was reduced to 99% to perform 6A feedwater heater drain controller work. At approximately 1135 hours reactor power was returned to 100% RTP.

On July 27<sup>th</sup> at approximately 2335 hours reactor power was reduced to 99% due to control rod 18-39 drifting in to position 08. At 2345, reactor power was further reduced to approximately 97% RTP when rod 18-39 continued to drift in to position 00 after Rod Drive Control System (RDCS) inop alarm was reset. Control rod 18-39 was hydraulically disarmed and reactor power was restored to 100% RTP on July 28<sup>th</sup> at 0910 hours.

On July 29<sup>th</sup> at 2222 hours power was reduced to 88% to withdraw rod 18-39 to position 48 after transponder card had been replaced. At 2308 hours reactor power was returned to 100% RTP.

Unit 1 ended the month of July 2000 at 100% RTP.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of July. There have been no challenges to the Main Steam Safety Relief Valves year-to-date.

OPERATING DATA REPORT

DOCKET NO. 50-352  
 DATE AUGUST 13, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 THERMAL PERFORMANCE ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

OPERATING STATUS

1. UNIT NAME:	LIMERICK UNIT 1
2. REPORTING PERIOD:	JULY 2000
3. DESIGN ELECTRICAL RATING:	1143
4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE):	1183
5. MAXIMUM DEPENDABLE CAPACITY (NET MWE):	1143

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4,460.8	109,167.4
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	4,359.4	107,304.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	855,595	4,839,398	108,193,097

UNIT SHUTDOWNS AND SIGNIFICANT LOAD REDUCTIONS

DOCKET NO. 50-352  
 UNIT LIMERICK UNIT 1  
 DATE AUGUST 13, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 THERMAL PERFORMANCE ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

REPORT MONTH JULY 2000

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NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
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(1)  
 Type  
 F -- Forced  
 S -- Scheduled

(2)  
 Reason  
 A -- Equipment Failure  
 B -- Maintenance or Test  
 C -- Refueling  
 D -- Regulatory Restriction  
 E -- Operational Training & License Examination  
 F -- Administrative  
 G -- Operational Error (Explain)  
 H -- Other (Explain)

(3)  
 Method  
 1 -- Manual  
 2 -- Manual Scram  
 3 -- Automatic Scram  
 4 -- Other (Explain)

Limerick Generating Station  
Unit 2  
July 1 through July 31, 2000

I. Narrative Summary of Operating Experiences

Unit 2 began the month of July 2000 at 100% of rated thermal power (RTP).

On July 8<sup>th</sup> at 0440 hours reactor power reduction began in administrative response to #4 turbine control valve closure caused by failed servo. At 0901 hours reactor power was reduced to 24% RTP. At 1832 hours reactor power was 20% RTP. On July 9<sup>th</sup> at 0115 hours power ascension began. On July 9<sup>th</sup> at 1245 hours reactor power was restored to 100% RTP.

On July 9<sup>th</sup> at 1850 hours reactor power was allowed to decrease to 98% RTP due to thermal limit margins. On July 9<sup>th</sup> at 2000 hours reactor power was changed from 98% to 95% to perform rod pattern adjustments to improve thermal margins. At 2340 hours reactor power was restored to 100%.

On July 10<sup>th</sup> at 0225 hours reactor power was reduced to 85% to perform control rod pattern adjustments. At 0455 hours reactor power restored to 100% RTP.

On July 14<sup>th</sup> at 2220 hours reactor power was reduced to 85% to perform rod pattern adjustments. On July 14<sup>th</sup> at 2320 hours, power ascension began. On July 15<sup>th</sup> at 0738 hours power ascension was delayed to allow xenon to "build in" to the core. On July 15<sup>th</sup> at 1605 hours reactor power was restored to 100% RTP.

Unit 2 ended the month of July 2000 at 100% of RTP.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of July. There have been no challenges to the Main Steam Safety Relief Valves year-to-date.

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 DATE AUGUST 13, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 THERMAL PERFORMANCE ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

OPERATING STATUS

1. UNIT NAME:	LIMERICK UNIT 2
2. REPORTING PERIOD:	JULY 2000
3. DESIGN ELECTRICAL RATING:	1143
4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE):	1183
5. MAXIMUM DEPENDABLE CAPACITY (NET MWE):	1143

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5,047.6	85,459.7
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	4,988.5	83,858.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	828,297	5,723,056	88,153,704

UNIT SHUTDOWNS AND SIGNIFICANT LOAD REDUCTIONS

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 UNIT LIMERICK UNIT 2  
 DATE AUGUST 13, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 THERMAL PERFORMANCE ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
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REPORT MONTH JULY 2000

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
379	000708	F	0	A	0	#4 Main Turbine Control Vlv Failed Closed due to Failed Servo

(1)  
 Type  
 F -- Forced  
 S -- Scheduled

(2)  
 Reason  
 A -- Equipment Failure  
 B -- Maintenance or Test  
 C -- Refueling  
 D -- Regulatory Restriction  
 E -- Operational Training & License Examination  
 F -- Administrative  
 G -- Operational Error (Explain)  
 H -- Other (Explain)

(3)  
 Method  
 1 -- Manual  
 2 -- Manual Scram  
 3 -- Automatic Scram  
 4 -- Other (Explain)