



# PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company  
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T.S.6.9.1.6

June 14, 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 May 2000 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

Caren B. Anders  
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  
S. A. Auve, LGS ISEG Branch, SSB4-2

NRR-063

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

I. Narrative Summary of Operating Experiences

Unit 1 began the month of May 2000 at 91% of rated thermal power (RTP) with xenon "building in" to the core following refuel outage 1R08.

On May 1<sup>st</sup> at 0242 hours reactor (rx) power was raised to 96% RTP with rods. At 0306 hours power was reduced with flow to 90% RTP for continued control rod pattern adjustment.

On May 1<sup>st</sup> at 0307 hours, rx scram occurred caused by loose electrical connections at the 1C Main Transformer. On May 2<sup>nd</sup> at 0421 hours, rx criticality was achieved during start-up from forced outage 1F35. Power ascension proceeded. Rx power was returned to 100% RTP on May 3<sup>rd</sup> at 1234 hours.

On May 3<sup>rd</sup> at 1900 hours rx power was allowed to decrease so that xenon could "build in" to the core. On May 4<sup>th</sup> at 2128 hours rx power was reduced to 80% RTP for a rod pattern adjustment. Rx power was returned to 100% RTP on May 5<sup>th</sup> at 0450 hours.

On May 5<sup>th</sup> at 2305 hours rx power was reduced to 71% RTP for a control rod pattern adjustment. rx power was returned to 100% RTP on May 6<sup>th</sup> at 1435.

On May 17<sup>th</sup> at 1444 hours rx power was reduced to 99.8% RTP to place Reactor Water Clean-Up (RWCU) in blowdown. Rx power was returned to 100% RTP at 1645 hours. At 2100 hours power was reduced to 99.5% RTP to place RWCU in blowdown. Rx power was returned to 100% RTP 2325 hours.

On May 23<sup>rd</sup> at 2205 hours rx power was reduced to 98% RTP to close demin bypass valve. Rx power was returned to 100% RTP at 2250 hours.

On May 26<sup>th</sup> at 0702 hours rx power was reduced to 95% RTP to troubleshoot 1C Rx Feed Pump Relay failure. Rx power was returned to 100% RTP at 0910 hours.

On May 26<sup>th</sup> at 2205 rx power was initially reduced to 80% for rod pattern adjustment. At 2300 hours, rx power was reduced to 65% RTP for rod pattern adjustment and rx feed pump removal from service. On May 27<sup>th</sup> at 0306 hours rx power was raised to 81% to repair rx feed pump suction pressure sensing line and to perform rod pattern adjustment. At 2345 hours rx power was reduced to 61% to place rx feed pump back in service. Rx power was returned to 100% RTP on May 28<sup>th</sup> at 1502 hours.

On May 29<sup>th</sup> at 1002 hours rx power was reduced to 75% RTP for control rod pattern adjustment. Rx power was returned to 100% RTP on May 30<sup>th</sup> at 0013 hours.

Unit 1 ended the month of May 2000 at 100% of rated thermal power.

II. Challenges to Main Steam Safety Relief Valves

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

OPERATING DATA REPORT

DOCKET NO. 50-352  
 DATE JUNE 15, 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: ..... MAY 2000  
 3. DESIGN ELECTRICAL RATING: ..... 1134  
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): ..... 1174  
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): ..... 1134

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	718.8	2,996.8	107,703.4
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	708.3	2,895.4	105,840.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	782,260	3,165,296	106,518,995

UNIT SHUTDOWNS

DOCKET NO. 50-352  
 UNIT LIMERICK UNIT 1  
 DATE JUNE 15, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 THERMAL PERFORMANCE ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

REPORT MONTH MAY 2000

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
353	000501	F	35.7	A	3	Rx POWER WAS REDUCED TO 0% DUE TO AUTOMATIC SCRAM CAUSED BY LOOSE ELECTRICAL CONNECTION AT THE 1C MAIN TRANSFORMER (LER# 1-00-002).
354	000503	F	0	B	4	Rx POWER WAS REDUCED TO 80% DUE TO ROD PATTERN ADJUSTMENT.
355	000505	S	0	B	4	Rx POWER WAS REDUCED TO 71% DUE TO CONTROL ROD PATTERN ADJUSTMENT.
356	000526	S	0	B	4	Rx POWER WAS REDUCED TO AS LOW AS 61% DUE TO ROD PATTERN ADJUSTMENT AND RX FEED PUMP SUCTION PRESSURE SENSING LINE REPAIR.
357	000529	S	0	B	4	Rx POWER WAS REDUCED TO 75% DUE TO ROD PATTERN ADJUSTMENT.

(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  
May 1 through May 31, 2000

I. Narrative Summary of Operating Experiences

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

On May 12<sup>th</sup> at 2211 hours reactor (Rx) power was reduced to 85% RTP for control rod pattern adjustment. Rx power was returned to 100% RTP on May 13<sup>th</sup> at 0223 hours.

On May 19<sup>th</sup> at 2221 hours Rx power was reduced to 62% RTP for control rod pattern adjustment, scram time testing, condenser waterbox cleaning, and condensate pump motor bearing inspection and balance shot. Rx power was returned to 100% RTP on May 21<sup>st</sup> at 0155 hours.

On May 21<sup>st</sup> at 2023 hours Rx power was reduced to 90% RTP for main turbine valve testing. On May 22<sup>nd</sup> at 0145 hours Rx power was further reduced to 85% RTP for control rod pattern adjustment. Rx power was returned to 100% RTP at 0629 hours.

On May 28<sup>th</sup> at 2244 Rx power was reduced to 85% RTP for control rod pattern adjustment. Rx power was returned to 100% RTP on May 29<sup>th</sup> at 0953.

Unit 2 ended the month of May 2000 at 100% of rated thermal power.

II. Challenges to Main Steam Safety Relief Valves

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

OPERATING DATA REPORT

DOCKET NO. 50-353  
 DATE JUNE 15, 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: MAY 2000  
 3. DESIGN ELECTRICAL RATING: 1150  
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1190  
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1150

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,583.6	83,995.7
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	3,524.5	82,394.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	851,097	4,068,784	86,499,432

UNIT SHUTDOWNS

DOCKET NO. 50-353  
 UNIT LIMERICK UNIT 2  
 DATE JUNE 15, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 THERMAL PERFORMANCE ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
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REPORT MONTH MAY 2000

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
378	000519	S	0	B	4	Rx POWER WAS REDUCED TO 62% DUE TO CONTROL ROD PATTERN ADJUSTMENT, SCRAM TIME TESTING, CONDENSOR WATERBOX CLEANING, AND CONDENSATE PUMP MOTOR BEARING INSPECTION AND BALANCE SHOT.

(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  
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