



PECO ENERGY

PECO Energy Company  
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T.S.6.9.1.6

February 8, 1996

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 January 1996 forwarded  
pursuant to Technical Specification 6.9.1.6.

Very truly yours,

Michael P. Gallagher  
Director - Site Engineering

drh

Enclosures

cc: T. T. Martin, Administrator, Region I, USNRC  
N. S. Perry, USNRC Senior Resident Inspector LGS  
W. C. MacFarland, Vice President, LGS

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R PDR

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Limerick Generating Station  
Unit 1  
January 1 through January 31, 1996

I. Narrative Summary of Operating Experiences

Unit 1 began the month of January at a nominal 100% of rated thermal power (RTP).

On January 2, 1996 at 2310 hours, power was reduced to 84% RTP to remove the B Reactor Feedwater pump from service for planned maintenance. Power was increased to 90% RTP at 0310 hours on January 3, 1996, following removing pump from service.

Power remained at 90% RTP for planned maintenance on the A Reactor Feedwater pump until power was reduced below 90% RTP due to end of cycle coastdown.

On January 28, 1996 at 2315 hours, power was reduced to 81% RTP to remove the C Condensate pump from service. Power was restored to 85% RTP on January 29 at 0015 hours.

Unit 1 ended this operating period at 87% of RTP in end of cycle coastdown.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of January.

# AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 352  
 UNIT LIMERICK UNIT 1  
 DATE FEBRUARY 7, 1996  
 COMPANY PECO ENERGY COMPANY  
 DAVID R. HENRICKS  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3772

MONTH JANUARY, 1996

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

1	1026
2	1022
3	922
4	926
5	926
6	923
7	926
8	918
9	910
10	922
11	921
12	921
13	917
14	920
15	914
16	931

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

17	923
18	919
19	898
20	915
21	911
22	911
23	910
24	899
25	903
26	878
27	869
28	891
29	881
30	890
31	874

# OPERATING DATA REPORT

DOCKET NO. 50-37...  
 DATE FEBRUARY 7, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 DAVID R. HENRICKS  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3772

## OPERATING STATUS

1. UNIT NAME: \_\_\_\_\_ LIMERICK UNIT 1  
 2. REPORTING PERIOD: \_\_\_\_\_ JANUARY, 1996  
 3. LICENSED THERMAL POWER(MWT): \_\_\_\_\_ 3293  
 4. NAMEPLATE RATING (GROSS MWE): \_\_\_\_\_ 1092  
 5. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 1055  
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 1092  
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 1055

NOTES: THERE WERE NO LOAD DROPS  
 GREATER THAN 20% THIS MONTH.

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7 ) SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):

10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	744	87,648
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	72,967.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	744.0	71,743.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,182,142	2,182,142	222,323,037
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	710,200	710,200	72,344,680
18. NET ELECTRICAL ENERGY GENERATED (MWH)	682,007	682,007	69,473,479

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 352

DATE FEBRUARY 7, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	81.9 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	81.9 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	86.9 %	86.9 %	75.1 %
22. UNIT CAPACITY FACTOR (USING DER NET)	86.9 %	86.9 %	75.1 %
23. UNIT FORCED OUTAGE RATE	0 %	0 %	4.3 %
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): REFUELING OUTAGE SCHEDULED FOR 2/5/96 LASTING 20 DAYS.			
25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):			
	FORECAST	ACHIEVED	
INITIAL CRITICALITY	12/19/84	12/22/84	
INITIAL ELECTRICITY	MID APRIL 85	04/13/85	
COMMERCIAL OPERATION	1ST QTR 86	02/01/86	

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 352  
 UNIT NAME LIMERICK UNIT 1  
 DATE FEBRUARY 7, 1995  
 COMPLETED BY PECO ENERGY COMPANY  
 DAVID R. HENRICKS  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3772

REPORT MONTH JANUARY, 1996

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE	
92	960102	S	0.0	B	4	N/A	CH	PUMPXX	REACTOR POWER WAS REDUCED TO 84% DUE TO PLANNED MAINTENANCE ON B REACTOR FEEDWATER PUMP.	
93	960103	S	0.0	B	4	N/A	CH	PUMPXX	REACTOR POWER REMAINED AT 90% DUE TO PLANNED MAINTENANCE ON A REACTOR FEEDWATER PUMP.	
94	960128	S	0.0	B	4	N/A	HH	PUMPXX	REACTOR POWER WAS REDUCED TO 81% DUE TO REMOVAL OF C CONDENSATE PUMP FROM SERVICE FOR MAINTENANCE.	
TOTAL HOURS			0.0							

(1)  
F - FORCED  
S - SCHEDULED

(2)  
REASON  
A - EQUIPMENT FAILURE (EXPLAIN)  
B - MAINTENANCE OR TEST  
C - REFUELING  
D - REGULATORY RESTRICTION  
E - OPERATOR 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)

(4)  
EXHIBIT G - INSTRUCTIONS  
FOR PREPARATION OF DATA  
ENTRY SHEETS FOR LICENSEE  
EVENT REPORT (LER)  
FILE (NUREG-0161)

(5)  
EXHIBIT I - SAME SOURCE

Limerick Generating Station  
Unit 2  
January 1 through January 31, 1996

I. Narrative Summary of Operating Experiences

Unit 2 began the month of January at a nominal 100% of rated thermal power (RTP).

On January 5, 1996 at 1641 hours, power was reduced to 70% RTP for hydraulic control unit maintenance. Power was restored to 100% RTP at 0558 hours on January 9, 1996.

On January 11, 1996 at 1210 hours, power was reduced to 85% RTP main turbine valve testing and a control rod pattern adjustment. Power was restored to 100% RTP at 1850 hours.

On January 20, 1996 at 0400 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 0617 hours.

On January 27, 1996 at 0103 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 0225 hours.

Unit 2 ended this operating period 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 January.

# AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 353  
 UNIT LIMERICK UNIT 2  
 DATE FEBRUARY 7, 1996  
 COMPANY PECO ENERGY COMPANY  
 DAVID R. HENRICKS  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3772

MONTH JANUARY, 1996

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

1	1137
2	1137
3	1141
4	1137
5	1075
6	794
7	797
8	889
9	1117
10	1140
11	1104
12	1142
13	1138
14	1138
15	1138
16	1142

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

17	1138
18	1137
19	1121
20	1141
21	1137
22	1141
23	1137
24	1133
25	1137
26	1137
27	1129
28	1136
29	1140
30	1140
31	1132



# OPERATING DATA REPORT

DOCKET NO. 50 - 353  
 DATE FEBRUARY 7, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 DAVID R. HENRICKS  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3772

## OPERATING STATUS

1. UNIT NAME: \_\_\_\_\_ LIMERICK UNIT 2  
 2. REPORTING PERIOD: \_\_\_\_\_ JANUARY, 1996  
 3. LICENSED THERMAL POWER(MWT): \_\_\_\_\_ 3458  
 4. NAMEPLATE RATING (GROSS MWE): \_\_\_\_\_ 1163  
 5. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 1115  
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 1155  
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 1115

NOTES: THERE WAS 1 LOAD DROP GREATER  
 THAN 20% THIS MONTH TO  
 PERFORM HYDRAULIC CONTROL  
 UNIT MAINTENANCE.

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7 ) SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):

10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	744	53,160
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	48,276.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	744.0	47,335.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,495,626	2,495,626	150,841,358
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	845,800	845,800	49,923,680
18. NET ELECTRICAL ENERGY GENERATED (MWH)	820,843	820,843	48,124,474

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 353

DATE FEBRUARY 7, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	89.0 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	89.0 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.9 %	98.9 %	85.0 %
22. UNIT CAPACITY FACTOR (USING DER NET)	98.9 %	98.9 %	85.0 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	3.3 %
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): OUTAGE FOR EQUIPMENT RELIABILITY SCHEDULED FOR WEEK OF 5/12/96 TO LAST 1 WEEK.			
25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	FORECAST	ACHIEVED	
INITIAL CRITICALITY	08/12/89	08/12/89	
INITIAL ELECTRICITY	09/01/89	09/01/89	
COMMERCIAL OPERATION	02/01/90	01/08/90	

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 353  
 UNIT NAME LIMERICK UNIT 2  
 DATE FEBRUARY 7, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 DAVID R. HENRICKS  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3772

REPORT MONTH JANUARY, 1996

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE	
89	960105	S	0.0	B	4	N/A	RB	CPDRVE	REACTOR POWER WAS REDUCED TO 70% TO PERFORM HYDRAULIC CONTROL UNIT MAINTENANCE.	
90	960111	S	0.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 85% DUE TO MAIN TURBINE VALVE TESTING AND A CONTROL ROD PATTERN ADJUSTMENT.	
91	960120	S	0.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.	
92	960127	S	0.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.	
TOTAL HOURS			0.0							

(1)  
 F - FORCED  
 S - SCHEDULED

(2)  
 REASON  
 A - EQUIPMENT FAILURE (EXPLAIN)  
 B - MAINTENANCE OR TEST  
 C - REFUELING  
 D - REGULATORY RESTRICTION  
 E - OPERATOR 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)

(4)  
 EXHIBIT G - INSTRUCTIONS  
 FOR PREPARATION OF DATA  
 ENTRY SHEETS FOR LICENSEE  
 EVENT REPORT (LER)  
 FILE (NUREG-0161)

(5)  
 EXHIBIT I - SAME SOURCE