



PECO NUCLEAR

A UNIT OF PECO ENERGY

PECO Energy Company
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T.S.6.9.1.6

March 12, 1997

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 February 1997 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

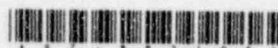
Edward F. Sproat, III
Director - Site Engineering

drh

Enclosures

cc: H. J. Miller, Administrator, Region I, USNRC
N. S. Perry, USNRC Senior Resident Inspector LGS
W. G. MacFarland, Vice President, LGS

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Limerick Generating Station
Unit 1
February 1 through February 28, 1997

I. Narrative Summary of Operating Experiences

Unit 1 began the month of February 1997 at a nominal 100% rated thermal power (RTP).

On February 7, 1997 at 2350 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP on February 8, 1997 at 0151 hours.

On February 13, 1997 at 2215 hours, power was reduced to 91% RTP for main turbine valve testing and rod pattern adjustment. Power was restored to 100% RTP at 2323 hours.

On February 16, 1997 at 0041 hours, power was reduced to 93% RTP for main steam isolation valve testing. Power was restored to 100% RTP at 0528 hours.

On February 22, 1997 at 1122 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 1718 hours.

Unit 1 ended this month operating 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 February.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 352
 UNIT LIMERICK UNIT 1
 DATE MARCH 10, 1997
 COMPANY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

MONTH FEBRUARY, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
-----	--

1	1111
2	1120
3	1111
4	1120
5	1111
6	1120
7	1120
8	1112
9	1122
10	1121
11	1121
12	1118
13	1118
14	1116
15	1119
16	1103

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
-----	--

17	1120
18	1111
19	1119
20	1103
21	1104
22	1095
23	1110
24	1112
25	1117
26	1109
27	1097
28	1109

OPERATING DATA REPORT

DOCKET NO. 50 - 352
 DATE MARCH 10, 1997
 COMPLETED BY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1
2. REPORTING PERIOD: FEBRUARY, 1997
3. LICENSED THERMAL POWER(MWT): 3458
4. NAMEPLATE RATING (GROSS MWE): 1160
5. DESIGN ELECTRICAL RATING (NET MWE): 1105
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1145
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1105
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:

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

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	672	1,416	97,104
12. NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1,416.0	81,543.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	672.0	1,416.0	80,176.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,321,109	4,891,809	230,645,972
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	774,600	1,634,300	81,706,080
18. NET ELECTRICAL ENERGY GENERATED (MWH)	748,102	1,561,345	78,514,442

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 352

DATE MARCH 10, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	82.6 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	82.6 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.7 %	101.1 %	76.2 %
22. UNIT CAPACITY FACTOR (USING DER NET)	100.7 %	101.1 %	76.2 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	4.1 %
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):			
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 MARCH 10, 1997
 COMPLETED BY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

REPORT MONTH FEBRUARY, 1997

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
177	970207	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.
178	970213	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 91% DUE TO MAIN TURBINE VALVE TESTING AND CONTROL ROD PATTERN ADJUSTMENT.
179	970216	S		B	4	N/A	CD	VALVEX	REACTOR POWER WAS REDUCED TO 93% DUE TO MAIN STEAM ISOLATION VALVE TESTING.
180	970222	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.

TOTAL HOURS

(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
February 1 through February 28, 1997

I. Narrative Summary of Operating Experiences

Unit 2 began the month of February 1997 at 0% rated thermal power (RTP) shutdown for a refueling outage

On February 26, 1997 at 0356 hours, the mode switch was moved to start up. The reactor was taken critical at 0714 hours.

On February 27, 1997 at 0939 hours, the mode switch was put in run.

On February 28, 1997 at 0616 hours the main generator was synchronized to the grid for a three hour thermal soak period. The generator was tripped during a planned turbine valve tightness test at approximately 0915 hours. At 1026 hours the turbine was synchronized to the grid ending the refuel outage.

Unit 2 ended this operating period at 23% 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 February.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 353
 UNIT LIMERICK UNIT 2
 DATE MARCH 10, 1997
 COMPANY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

MONTH FEBRUARY, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
-----	--

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
-----	--

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	94

OPERATING DATA REPORT

DOCKET NO. 50 - 353
 DATE MARCH 10, 1997
 COMPLETED BY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 2
2. REPORTING PERIOD: FEBRUARY, 1997
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
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:

NOTES: THERE WAS ONE LOAD DROP
 GREATER THAN 20% THIS MONTH
 ASSOCIATED WITH 2R04.

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	672	1,416	62,616
12. NUMBER OF HOURS REACTOR WAS CRITICAL	63.8	775.8	56,803.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	16.6	727.6	55,666.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	26,568	1,984,140	178,408,884
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	2,600	640,800	59,031,060
18. NET ELECTRICAL ENERGY GENERATED (MWH)	-389	612,446	56,917,177

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 353

DATE MARCH 10, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	2.5 %	51.4 %	88.9 %
20. UNIT AVAILABILITY FACTOR	2.5 %	51.4 %	88.9 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	-1 %	38.8 %	84.7 %
22. UNIT CAPACITY FACTOR (USING DER NET)	-1 %	38.8 %	84.7 %
23. UNIT FORCED OUTAGE RATE	0 %	0 %	3.5 %
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):			
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 MARCH 10, 1997
 COMPLETED BY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

REPORT MONTH FEBRUARY, 1997

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
166	970201	S	655.4	C	4	N/A	RC	FUELXX	REACTOR WAS SHUTDOWN FROM PREVIOUS REPORTING PERIOD DUE TO 2R04 REFUELING OUTAGE.
TOTAL HOURS			655.4						

(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)
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 ENTRY SHEETS FOR LICENSEE
 EVENT REPORT (LER)
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(5)
 EXHIBIT I - SAME SOURCE