



PECO NUCLEAR

A UNIT OF PECO ENERGY

PECO Energy Company
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T.S.6.9.1.6

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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 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
January 1 through January 31, 1997

I. Narrative Summary of Operating Experiences

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

On January 3, 1997 at 2314 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP on January 4, 1997 at 0044 hours.

On January 11, 1997 at 0200 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 0300 hours.

On January 18, 1997 at 2207 hours, power was reduced to 90% RTP for rod pattern adjustment and main turbine valve testing. Power was restored to 100% RTP on January 19, 1997 at 0009 hours.

On January 25, 1997 at 0200 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 0230 hours.

On January 31, 1997 at 2254 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 2325 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 January.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 352
 UNIT LIMERICK UNIT 1
 DATE FEBRUARY 3, 1997
 COMPANY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

MONTH JANUARY, 1997

DAY AVERAGE DAILY POWER LEVEL
 (MWE-NET)

1	1123
2	1119
3	1110
4	1115
5	1111
6	1119
7	1119
8	1123
9	1123
10	1124
11	1120
12	1128
13	1124
14	1124
15	1120
16	1120

DAY AVERAGE DAILY POWER LEVEL
 (MWE-NET)

17	1123
18	1120
19	1124
20	1123
21	1123
22	1119
23	1113
24	1119
25	1118
26	1122
27	1118
28	1118
29	1122
30	1119
31	1118

OPERATING DATA REPORT

DOCKET NO. 50 - 352
 DATE FEBRUARY 3, 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: JANUARY, 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

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	96,432
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	80,871.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	744.0	79,504.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,570,700	2,570,700	248,324,862
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	859,700	859,700	80,931,480
18. NET ELECTRICAL ENERGY GENERATED (MWH)	833,243	833,243	77,766,340

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 352

DATE FEBRUARY 3, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	82.4 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	82.4 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.4 %	101.4 %	76.1 %
22. UNIT CAPACITY FACTOR (USING DER NET)	101.4 %	101.4 %	76.1 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	4.2 %
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 FEBRUARY 3, 1997
 COMPLETED BY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

REPORT MONTH JANUARY, 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
172	970103	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.
173	970111	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.
174	970118	S		B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 90% DUE TO CONTROL ROD PATTERN ADJUSTMENT AND MAIN TURBINE VALVE TESTING.
175	970125	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.
176	970131	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
January 1 through January 31, 1997

I. Narrative Summary of Operating Experiences

Unit 2 began the month of January 1997 at a nominal 87% rated thermal power (RTP) in end of cycle coastdown.

On January 12, 1997 at 2140 hours, power was reduced to 65% RTP for main turbine valve testing. Power was restored to 78% RTP on January 13 at 0010 hours.

On January 22, 1997 at 1030 hours, power was reduced to 43% RTP due to a leaking EHC plug. Power was restored to 77% RTP at 1717 hours.

On January 30, 1997 at 0855 hours, power reduction commenced in preparation to shutdown for 2R04. Power was reduced to 20% RTP and the main turbine was removed from service at 1504 hours. The unit was manually scrammed at 1601 hours to start 2R04.

Unit 2 ended this operating period at 0% RTP in a refuel outage.

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 3, 1997
 COMPANY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

MONTH JANUARY, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	951
2	952
3	939
4	935
5	922
6	923
7	914
8	910
9	901
10	893
11	888
12	869
13	880
14	876
15	864
16	860

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	860
18	855
19	850
20	835
21	835
22	746
23	825
24	825
25	817
26	817
27	808
28	804
29	805
30	383
31	0

OPERATING DATA REPORT

DOCKET NO. 50 - 353
 DATE FEBRUARY 3, 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: JANUARY, 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

NOTES: THERE WERE TWO LOAD DROPS
 GREATER THAN 20% THIS MONTH
 DUE TO A LEAKING EHC PLUG AND
 2R04.

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	61,944
12. NUMBER OF HOURS REACTOR WAS CRITICAL	712.0	712.0	56,739.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	711.1	711.1	55,650.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,957,572	1,957,572	178,382,316
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	638,200	638,200	59,028,480
18. NET ELECTRICAL ENERGY GENERATED (MWH)	612,835	612,835	56,917,566

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 353

DATE FEBRUARY 3, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	95.6 %	95.6 %	89.8 %
20. UNIT AVAILABILITY FACTOR	95.6 %	95.6 %	89.8 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	73.9 %	73.9 %	85.6 %
22. UNIT CAPACITY FACTOR (USING DER NET)	73.9 %	73.9 %	85.6 %
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 FEBRUARY 3, 1997
 COMPLETED BY PECO ENERGY COMPANY
 ROBERT A. BAXLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3767

REPORT MONTH JANUARY, 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
162	970112	F		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 65% DUE TO MAIN TURBINE VALVE TESTING.
163	970122	F		A	4	N/A	HA	PIPEXX	REACTOR POWER WAS REDUCED TO 43% DUE TO AN EHC LEAK.
164	970130	S		C	4	N/A	RC	FUELXX	REACTOR POWER WAS REDUCED TO 20% IN PREPARATION FOR 2R04.
165	970130	S	32.9	C	2	N/A	RC	FUELXX	TURBINE WAS TAKEN OFF LINE FOR 2R04. REACTOR WAS SCRAMMED FOR 2R04.
TOTAL HOURS			32.9						

(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