



PECO ENERGY

PECO Energy Company
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T.S.6.9.1.6

December 12, 1995

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 November 1995 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. G. MacFarland, Vice President, LGS

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Limerick Generating Station
Unit 1
November 1 through November 30, 1995

I. Narrative Summary of Operating Experiences

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

- On November 19, 1995 at 0010 hours, power was reduced to 92% RTP for main turbine valve testing. Power was restored to 100% RTP at 0336 hours.
- On November 27, 1995 at 0240 hours, power was reduced to 88% RTP for main turbine valve testing. Power was restored to 98% RTP at 0430 hours.
- On November 29, 1995 at 0941, power was reduced to 95% RTP in order to remove the sixth feedwater heaters from service. Power was restored to 100% RTP at 1200 hours.

Unit 1 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 November.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352

UNIT LIMERICK UNIT 1

DATE DECEMBER 12, 1995

COMPANY PECO ENERGY COMPANY

DAVID R. HENRICKS
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 718-3772

MONTH NOVEMBER 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1050	17	1060
2	1045	18	1055
3	1045	19	1048
4	1058	20	1059
5	1064	21	1051
6	1061	22	1062
7	1056	23	1050
8	1061	24	1059
9	1065	25	1055
10	1052	26	1055
11	1048	27	1035
12	1065	28	1037
13	1060	29	1040
14	1055	30	1055
15	1056		
16	1059		

OPERATING DATA REPORT

DOCKET NO. 50 - 352

DATE DECEMBER 12, 1995

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: NOVEMBER, 1995
3. LICENSED THERMAL POWER(MW): 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 NUMBER 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	720	8,016	86,160
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	7,371.4	71,479.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	7,230.4	70,255.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,361,274	23,390,343	217,706,881
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	788,100	7,646,700	70,830,980
18. NET ELECTRICAL ENERGY GENERATED (MWH)	758,883	7,373,458	68,017,464

DATE DECEMBER 12, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	90.2	81.5
20. UNIT AVAILABILITY FACTOR	100.0	90.2	81.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.9	87.2	74.8
22. UNIT CAPACITY FACTOR (USING DER NET)	99.9	87.2	74.8
23. UNIT FORCED OUTAGE RATE	0.0	5.1	4.3

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

- 1. REFUELING OUTAGE, SCHEDULED FOR 2/2/96, LASTING 22 DAYS.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	12/19/84	12/22/84
INITIAL ELECTRICITY	MID APRIL 85	4/13/85
COMMERCIAL OPERATION	1ST QTR 86	2/01/86

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 352

UNIT NAME LIMERICK UNIT 1

DATE DECEMBER 12, 1995

REPORT MONTH NOVEMBER, 1995

COMPLETED BY PECO ENERGY COMPANY

DAVID R. HENRICKS
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3772

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE	
87	951119	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 92% DUE TO MAIN TURBINE VALVE TESTING.	4
88	951127	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 88% DUE TO MAIN TURBINE VALVE TESTING.	4
89	951129	S	000.0	B	4	N/A	CH	HTEXCH	REACTOR POWER WAS REDUCED TO 95% TO REMOVE THE SIXTH FEEDWATER HEATERS FROM SERVICE.	4
										4
										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)
 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
November 1 through November 30, 1995

I. Narrative Summary of Operating Experiences

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

- On November 3, 1995 at 2204 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP on November 4, 1995 at 0027 hours.
- On November 8, 1995 at 1218 hours, power was reduced to 98% RTP for a control rod pattern adjustment. Power was restored to 100% RTP at 1315 hours.
- On November 12, 1995 at 0606 hours, power was reduced to 88% RTP for main turbine valve testing. Power was restored to 100% RTP shortly thereafter.
- On November 17, 1995 at 2309 hours, power was reduced to 98% RTP for main turbine valve testing. Power was restored to 100% RTP at 2312 hours.
- On November 22, 1995 at 1700 hours, a planned power reduction began to replace stator water cooling filters. Power was reduced to 21% RTP at 2210 hours and the main turbine was removed from service at 2218 hours. Repairs were completed and the main turbine was synchronized to the grid on November 23, 1995 at 0932 hours. Power was restored to 100% RTP on November 24, 1995 at 0915 hours.
- On November 24, 1995 at 2228 hours, power was reduced to 90% RTP for a control rod pattern adjustment. Power was restored to 100% RTP on November 25, 1995 at 0220 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 November.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 353

UNIT LIMERICK UNIT 2

DATE DECEMBER 12, 1995

COMPANY PECO ENERGY COMPANY

DAVID R. HENRICKS
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION

TELEPHONE (610) 718-3772

MONTH NOVEMBER 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1130	17	1139
2	1126	18	1134
3	1124	19	1139
4	1136	20	1138
5	1141	21	1139
6	1139	22	984
7	1135	23	361
8	1138	24	1076
9	1137	25	1133
10	1138	26	1137
11	1122	27	1154
12	1122	28	1145
13	1133	29	1153
14	1130	30	1157
15	1134		
16	1139		

OPERATING DATA REPORT

DOCKET NO. 50 - 353

DATE DECEMBER 12, 1995

COMPLETED BY PFCO 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: NOVEMBER, 1995
- 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 REPLACE THE STATOR WATER
 COOLING FILTERS.

- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 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	720	8,016	51,672
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	7,425.8	46,788.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	708.8	7,242.9	45,847.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,421,828	23,572,764	145,802,347
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	818,000	7,830,500	48,214,080
18. NET ELECTRICAL ENERGY GENERATED (MWH)	794,719	7,562,766	46,464,966

DATE DECEMBER 12, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	98.4	90.4	88.7
20. UNIT AVAILABILITY FACTOR	98.4	90.4	88.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.0	84.9	84.5
22. UNIT CAPACITY FACTOR (USING DER NET)	99.0	84.9	84.5
23. UNIT FORCED OUTAGE RATE	1.6	2.9	3.4
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	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 DECEMBER 12, 1995

REPORT MONTH NOVEMBER, 1995

COMPLETED BY PECO ENERGY COMPANY

DAVID R. HENRICKS
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3772

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE	
78	951103	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.	4
79	951108	S	000.0	B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 98% DUE TO CONTROL ROD PATTERN ADJUSTMENT.	4
80	951112	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 88% DUE TO MAIN TURBINE VALVE TESTING.	4
81	951117	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURBINE VALVE TESTING.	4
82	951122	F	011.2	A	4	N/A	HF	FILTER	REACTOR POWER WAS REDUCED TO 21% AND THE GENERATOR WAS TAKEN OFF THE GRID TO REPLACE THE STATOR WATER COOLING FILTERS	4
83	951124	S	000.0	B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 90% DUE TO CONTROL ROD PATTERN ADJUSTMENT.	4
			11.2							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)
 EXHIBIT G - INSTRUCTIONS
 FOR PREPARATION OF DATA
 ENTRY SHEETS FOR LICENSEE
 EVENT REPORT (LER)
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