



PECO ENERGY

PECO Energy Company
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T.S.6.9.1.6

August 10, 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 July 1995 forwarded
pursuant to Technical Specification 6.9.1.6.

Very truly yours,

for 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
July 1 through July 31, 1995

i. Narrative Summary of Operating Experiences

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

- On July 4, 1995, at 0102 hours, power was reduced to 90% RTP for main turbine valve testing. Power was restored to 100% RTP shortly thereafter.
- On July 5, 6, 13, 14, 15, 16, 17, 18, 24, 25, 26, 27, 28 and 29, 1995, power was reduced slightly due to high turbine backpressure as a result of elevated outside air temperature. Power was restored to 100% RTP when turbine backpressure was returned to acceptable values.
- On July 8, 1995, at 1320 hours, power was reduced to 90% RTP to insert control rod 34-43 in order to suppress power near the suspected fuel leak. Power was restored to 100% RTP at 1442 hours.
- On July 19, 1995, at 1642 hours, the reactor pressure vessel level increased to 42 inches, the C feedwater heater string isolated and reactor power traces indicated that power had increased to approximately 110% and decreased to 60%. This was the result of a 1B recirculation motor-generator set perturbation. Reactor power was reduced to 98% RTP per procedure. Power was further reduced to 95% RTP and the C feedwater heater string was returned to service. Power was restored to 97% RTP on July 20, 1995, at 0334 hours.
- On July 20, 1995, at 2242 hours, power was reduced to 75% RTP for control rod hydraulic control unit (HCU) maintenance. Power was further reduced on July 22, 1995, at 0700 hours, to 60% RTP for condenser waterbox cleaning. Following waterbox cleaning, power was restored to 75% RTP at 2300 hours. HCU maintenance was completed on July 23, 1995, and power ascension to 100% RTP began at 2044 hours. Power was restored to 100% RTP at 0620 hours on July 24, 1995.
- On July 30, 1995, at 2300 hours, power was reduced to 95% RTP for control rod exercise testing. Power was restored to 100% RTP, at 0201 hours, on July 31, 1995.

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 July.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352

UNIT LIMERICK UNIT 1

DATE AUGUST 10, 1995

COMPANY PECO ENERGY COMPANY

DAVID R. HENRICKS
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 718-3772

MONTH JULY 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1036	17	1006
2	1044	18	1019
3	1048	19	1015
4	1036	20	998
5	1027	21	723
6	1028	22	641
7	1039	23	791
8	1036	24	1014
9	1051	25	1013
10	1039	26	1001
11	1044	27	1013
12	1039	28	1005
13	1015	29	1000
14	981	30	1029
15	897	31	1028
16	983		

OPERATING DATA REPORT

DOCKET NO. 50 - 352

DATE AUGUST 10, 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: JULY, 1995
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 2 LOAD DROPS

GREATER THAN 20% THIS MONTH

DUE TO CONTROL ROD HYDRAULIC

CONTROL UNIT MAINTENANCE AND

CONDENSER WATER BOX CLEANING.

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	744	5,087	83,231
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4,986.3	69,094.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	4,949.8	67,975.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,342,750	16,103,670	210,420,208
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	763,700	5,250,000	68,434,280
18. NET ELECTRICAL ENERGY GENERATED (MWH)	735,331	5,071,246	65,715,252

DATE AUGUST 10, 1995

	THIS MONTH	VR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	97.3	81.7
20. UNIT AVAILABILITY FACTOR	100.0	97.3	81.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.7	94.5	74.8
22. UNIT CAPACITY FACTOR (USING DER NET)	93.7	94.5	74.8
23. UNIT FORCED OUTAGE RATE	0.0	0.8	4.0

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	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 AUGUST 10, 1995

REPORT MONTH JULY, 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 (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
71	950704	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 90% FOR MAIN TURBINE VALVE TESTING.
72	950708	S	000.0	A	4	N/A	RS	CONROD	REACTOR POWER WAS REDUCED TO 90% TO INSERT CONTROL ROD TO SUPPRESS POWER NEAR THE SUSPECTED FUEL LEAK.
73	950719	F	000.0	A	4	1-95-003	CB	GENERA	REACTOR POWER WAS REDUCED TO 95% DUE TO 1B RECIRCULATION M-G SET PERTURBATION.
74	950720	S	000.0	B	4	N/A	RB	CRDRVE	REACTOR POWER WAS REDUCED TO 75% FOR CONTROL ROD HYDRAULIC CONTROL UNIT MAINT
75	950722	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 60% DUE TO CONDENSER WATERBOX CLEANING.
76	950730	S	000.0	B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 95% DUE TO CONTROL ROD EXERCISE TESTING.

(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
July 1 through July 31, 1995

I. Narrative Summary of Operating Experiences

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

- On July 6, 13, 14, 15, 17, 23, 25, 26, 27, 28 and 29, 1995, power was reduced slightly due to high turbine backpressure as a result of elevated outside air temperature. Power was restored to 100% RTP when turbine backpressure was returned to acceptable values.
- On July 17, 1995, at 1605 hours, the 2B reactor recirculation pump tripped due to a spurious high oil temperature spike. Power was stabilized at 32% RTP and the unit performed the necessary actions for single reactor recirculation pump operation. At 1936 hours, the 2B reactor recirculation pump was started. Power ascension to 100% RTP began at 2312 hours. On July 18, 1995, at 0325 hours, power was restored to 100% RTP.
- On July 18, 1995, at 0503 hours, power was reduced to 97% RTP due to a thermal limit indicating greater than one. It was later determined that the indicated thermal limit in excess of one was due to a computer malfunction. Power was restored to 100% RTP at 1500 hours.
- On July 30, 1995, at 0015 hours, power was reduced to 90% RTP for main turbine valve testing. Power was restored to 100% RTP at 0300 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 July.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 353
UNIT LIMERICK UNIT 2
DATE AUGUST 10, 1995
COMPANY PECO ENERGY COMPANY
DAVID R. HENRICKS
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3772

MONTH	JULY 1995				
DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)		
1	1114	17	901		
2	1114	18	1074		
3	1126	19	1110		
4	1117	20	1110		
5	1109	21	1106		
6	1105	22	1102		
7	1113	23	1089		
8	1117	24	1101		
9	1125	25	1085		
10	1117	26	1081		
11	1116	27	1081		
12	1113	28	1081		
13	1096	29	1073		
14	1082	30	1098		
15	1005	31	1106		
16	1095				

OPERATING DATA REPORT

DOCKET NO. 50 - 353

DATE AUGUST 10, 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 2
2. REPORTING PERIOD: JULY, 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
DUE TO REACTOR RECIRCULATION
PUMP TRIP.

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	VR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5,087	48,743
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4,567.4	43,930.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	4,454.2	43,059.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,536,414	13,976,555	136,206,138
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	841,200	4,642,200	45,025,780
18. NET ELECTRICAL ENERGY GENERATED (MWH)	812,705	4,482,061	43,384,261

DATE AUGUST 10, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	87.6	88.3
20. UNIT AVAILABILITY FACTOR	100.0	87.6	88.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.0	79.4	83.9
22. UNIT CAPACITY FACTOR (USING DER NET)	98.0	79.4	83.9
23. UNIT FORCED OUTAGE RATE	0.0	1.7	3.3
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 AUGUST 10, 1995

REPORT MONTH JULY, 1995

COMPLETED BY PECO ENERGY COMPANY

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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
64	950717	F	000.0	A	4	N/A	CB	PUMPXX	REACTOR POWER WAS REDUCED TO 32% DUE TO 2B REACTOR RECIRCULATION PUMP TRIP.
65	950718	F	000.0	A	4	N/A	SH	INSTRU	REACTOR POWER WAS REDUCED TO 97% DUE TO A COMPUTER MALFUNCTION INDICATING A THERMAL LIMIT GREATER THAN ONE.
66	950730	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 90% DUE TO MAIN TURBINE VALVE TESTING.

(1)

F - FORCED
 S - SCHEDULED

(2)

REASON
 A - EQUIPMENT FAILURE (EXPLAIN)
 B - MAINTENANCE OR TEST
 C - REFUELING
 D - REGULATORY RESTRICTION
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(3)

METHOD
 1 - MANUAL
 2 - MANUAL SCRAM
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(4)

EXHIBIT G - INSTRUCTIONS
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EXHIBIT I - SAME SOURCE