PECO ENERGY

PECO Energy Company
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T.S.6.9.1.6

May 15, 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 April 1995 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

James A. Muntz
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

Docket No. 50-352
Attachment to Monthly
Operating Report for
April 1995

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

I. Narrative Summary of Operating Experiences

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

On April 4, 1995, at 1223 hours, power was reduced to 97.5% RTP due to high turbine backpressure. Power was restored to 100% RTP at 1650 hours.

On April 9, 1995, at 0244 hours, power was reduced to 92% RTP for main turbine valve testing. Power was restored to 100% RTP at 0420 hours.

On April 9, 1005, beginning at 1525 hours, power was reduced a number of times due to high turbine backpressure, to a minimum of 96% RTP. Power was restored to 100% RTP at 2200 hours.

On April 11, 1995, at 2105 hours, power was reduced to 90% RTP in order to remove the 'C' low pressure feedwater heater string from service due to a drain cooler tube leak. Power was restored to 100% RTP at 0030 hours on April 12, 1995.

On April 12, 1995, beginning at 1700 hours, power was reduced a number of times due to high turbine backpressure, to a minimum of 90% RTP. Power was restored to 100% RTP at 2235 hours.

On April 19, 1995, beginning at 1130 hours, power was reduced a number of times due to high turbine backpressure, to a minimum of 88% RTP. Power was restored to 100% RTP at 0117 hours on April 20, 1995.

On April 22, 1995, at 1220 hours, power was reduced to 88% RTP due to high turbine backpressure. Power was restored to 100% RTP at 1535 hours.

On April 24, 1995, at 1935 hours, the 'A' reactor feedpump tripped due to a faulty suction pressure switch. Both reactor recirculation pumps ranback per design, reactor pressure vessel level increased to 40 inches and returned its normal 35 inches, and power stabilized at 77% RTP. The faulty pressure switch was replaced and power was restored to 100% RTP at 0750 hours on April 25, 1995.

On April 27, 1995, at 1447 hours, power was reduced to 95% RTP due to high turbine backpressure. Power was restored to 100% RTP at 0017 hours on April 28, 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 April.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352
UNIT LIMERICK UNIT 1
DATE MAY 11, 1995
COMPANY PECO ENERGY COMPANY

DAVID R. HENRICKS
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 718-3772

MONTH APRIL 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1061	17	1036
2	1013	18	1024
3	1058	19	975
4	1044	20	1024
5	1066	21	1025
6	1062	22	1017
7	1054	23	1033
8	1062	24	992
9	1037	25	985
10	1054	26	1025
11	1042	27	1005
12	1008	28	1026
13	1029	29	1029
14	1037	30	1030
15	1033		
16	1033		

OPERATING DATA REPORT

DOCKET NO. 50 - 352
DATE MAY 11, 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: APRIL, 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 WAS 1 LOAD DROP GREATER THAN 20% THIS MONTH DUE TO A REACTOR FEEDPUMP 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	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719	2,879	81,023
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,859.5	66,967.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	719.0	2,841.2	65,866.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,349,718	9,305,436	203,621,974
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	766,200	3,042,500	66,226,780
18. NET ELECTRICAL ENERGY GENERATED (MWH)	741,991	2,942,605	63,586,611

DATE MAY 11, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	98.7	81.3
20. UNIT AVAILABILITY FACTOR	100.0	98.7	81.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.8	96.9	74.4
22. UNIT CAPACITY FACTOR (USING DER NET)	97.8	96.9	74.4
23. UNIT FORCED OUTAGE RATE	0.0	1.3	4.1

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
A 4 DAY PLANNED OUTAGE IS SCHEDULED FOR MAY 7, 1995
FOR BOP ISSUES: DRAIN COOLER REPAIR AND CONDENSER CLEANING.

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 MAY 11, 1995
COMPLETED BY PECO ENERGY COMPANY
DAVID R. HENRICKS
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3772

REPORT MONTH APRIL, 1995

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	
55	950404	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 97.5% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
56	950409	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 92% FOR MAIN TURBINE VALVE TESTING.	4 4
57	950409	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 96% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
58	950411	F	000.0	A	4	N/A	HH	HTEXCH	REACTOR POWER WAS REDUCED TO 90% DUE TO DRAIN COOLER TUBE LEAK.	4 4
59	950412	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 90% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
60	950419	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 88% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
61	950422	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 88% DUE TO HIGH TURBINE BACK PRESSRE.	4 4
62	950424	F	000.0	A	4	N/A	CH	PUMPXX	REACTOR POWER WAS REDUCED TO 77% DUE TO	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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH APRIL, 1995

DOCKET NO. 50 - 352
UNIT NAME LIMERICK UNIT 1
DATE MAY 11, 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)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE	
									REACTOR FEEDPUMP TRIP.	4
63	950427	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 95% DUE TO HIGH TURBINE BACK PRESSURE.	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

Docket No. 50-353
Attachment to Monthly
Operating Report for
April 1995

Limerick Generating Station
Unit 2
April 1 through April 30, 1995

I. Narrative Summary of Operating Experiences

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

On April 2, 1995, at 0100 hours, power was reduced to 75% RTP for a control rod pattern adjustment and main turbine valve testing. Power was restored to 100% RTP at 1000 hours.

On April 4, 1995, beginning at 1330 hours, power was reduced a number of times due to high turbine backpressure, to a minimum of 88% RTP. Power was restored to 100% RTP at 0040 hours on April 5, 1995.

On April 9, 1995, beginning at 1550 hours, power was reduced a number of times due to high turbine backpressure, to a minimum of 95% RTP. Power was restored to 100% RTP at 1800 hours.

On April 19, 1995, beginning at 1635 hours, power was reduced a number of times due to high turbine backpressure, to a minimum of 95% RTP. Power was restored to 100% RTP at 2237 hours.

On April 22, 1995, at 1310 hours, power was reduced to 95% RTP due to high turbine backpressure. Power was restored to 100% RTP at 1443 hours.

On April 29, 1995, at 0455 hours, the 'B' motor-generator drive motor breaker opened, resulting in the trip of the 'B' reactor recirculation pump. The cause of this trip was due to a low lube oil pressure trip. Power was reduced, per procedure, and power was stabilized at 27% RTP. Lube oil pressure was increased and the motor generator set was started. Power was restored to 100% RTP at 0026 hours on April 30, 1995.

On April 30, 1995, at 2011 hours, power was reduced to 91% for a control rod pattern adjustment. Power was restored to 100% RTP at 2355 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 April.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 353
UNIT LIMERICK UNIT 2
DATE MAY 11, 1995
COMPANY PECO ENERGY COMPANY

DAVID R. HENRICKS
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SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 718-3772

MONTH APRIL 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1133	17	1126
2	1031	18	1114
3	1129	19	1106
4	1080	20	1131
5	1133	21	1102
6	1132	22	1114
7	1120	23	1123
8	1128	24	1122
9	1112	25	1122
10	1130	26	1118
11	1130	27	1110
12	1118	28	1118
13	1126	29	617
14	1122	30	1113
15	1126		
16	1122		

OPERATING DATA REPORT

DOCKET NO. 50 - 353
DATE MAY 11, 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: APRIL, 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 WERE 2 LOAD DROPS GREATER THAN 20% THIS MONTH DUE TO ROD PATTERN ADJUSTMENT AND 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	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719	2,879	46,535
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,359.4	41,722.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	719.0	2,251.8	40,856.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,446,284	6,508,539	128,738,122
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	817,700	2,159,900	42,543,480
18. NET ELECTRICAL ENERGY GENERATED (MWH)	792,169	2,081,386	40,983,586

DATE MAY 11, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	78.2	87.8
20. UNIT AVAILABILITY FACTOR	100.0	78.2	87.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.8	65.5	83.3
22. UNIT CAPACITY FACTOR (USING DER NET)	98.8	65.5	83.3
23. UNIT FORCED OUTAGE RATE	0.0	3.4	3.5

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 MAY 11, 1995
COMPLETED BY PECO ENERGY COMPANY
DAVID R. HENRICKS
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3772

REPORT MONTH APRIL, 1995

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	
42	950402	S	000.0	B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 75% DUE TO CONTROL ROD PATTERN ADJUSTMENT AND MAIN TURBINE VALVE TESTING.	4 4 4
43	950404	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 88% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
44	950409	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 95% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
45	950419	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 95% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
46	950422	S	000.0	B	4	N/A	HC	HTEXCH	REACTOR POWER WAS REDUCED TO 95% DUE TO HIGH TURBINE BACK PRESSURE.	4 4
47	950429	F	000.0	A	4	N/A	CB	PUMPXX	REACTOR POWER WAS REDUCED TO 27% DUE TO REACTOR RECIRC PUMP TRIP.	4 4
48	950430	S	000.0	B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 91% DUE TO CONTROL ROD PATTERN ADJUSTMENT.	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