



PECO NUCLEAR

A UNIT OF PECO ENERGY

PECO Energy Company
PO Box 2300
Sanatoga, PA 19464-0920

T.S.6.9.1.6

July 7, 1997

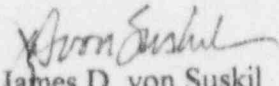
Docket Nos. 50-352
50-353
License Nos. NPF-39
NPF-85

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 June 1997 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

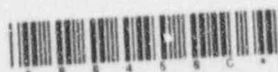

James D. von Suskil
Director - Site Engineering

bec

Enclosures

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

9707160129 970630
PDR ADOCK 05000352
R PDR



Limerick Generating Station
Unit 1
June 1 through June 30, 1997

I. Narrative Summary of Operating Experiences

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

On June 7, 1997 at 1500 hours, power was reduced to 98% of RTP for main turbine valve testing. Power was restored to 100% RTP at 1642 hours.

On June 13, 1997 at 0130 hours, power was reduced to 98% of RTP for main turbine valve testing. Power was restored to 100% RTP at 0200 hours.

On June 14, 1997 at 1030 hours, power was reduced due to level control problems with the 5A feedwater heater. Power reached 63% RTP at 1830 hours. Power was restored to 100% RTP on June 15, 1997 at 0509 hours.

On June 21, 1997 at 2158 hours, power was reduced in preparation for a unit outage to repair the 1J reactor safety relief valve (SRV).

On June 22, 1997 at 0322 hours, the main turbine generator was taken off the grid.

On June 26, 1997 at 0311 hours, the reactor mode switch was placed in startup.

On June 28, 1997 at 1007 hours, the main turbine generator was synchronized to the grid and power ascension began.

On June 29, 1997 at 1418 hours, power was restored to 96% RTP. Main turbine valve testing was performed with power at 98% RTP at 1530 hours. Power was restored to 100% RTP at 1703 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 June.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 352
 UNIT LIMERICK UNIT 1
 DATE JULY 14, 1997
 COMPANY PECO ENERGY COMPANY
 BRUCE E. CANFIELD
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3794

MONTH JUNE, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1094
2	1098
3	1103
4	1103
5	1097
6	1093
7	1097
8	1104
9	1104
10	1092
11	1091
12	1096
13	1088
14	863
15	1057
16	1096

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1092
18	1086
19	1089
20	1089
21	1048
22	24
23	0
24	0
25	0
26	0
27	0
28	102
29	821
30	1073

OPERATING DATA REPORT

DOCKET NO. 50 - 352
 DATE JULY 14, 1997
 COMPLETED BY PECO ENERGY COMPANY
 BRUCE E. CANFIELD
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3794

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1
 2. REPORTING PERIOD: JUNE, 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 TWO LOAD DROPS
 GREATER THAN 20% THIS MONTH
 DUE TO 5A FEEDWATER HEATER
 LEVEL CONTROL PROBLEM AND DUE
 TO 1J SRV REPAIR.

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	720	4,343	100,031
12. NUMBER OF HOURS REACTOR WAS CRITICAL	619.0	4,242.0	84,369.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	569.0	4,117.0	82,877.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,905,994	14,001,992	259,756,155
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	614,100	4,632,600	84,704,380
18. NET ELECTRICAL ENERGY GENERATED (MWH)	591,710	4,479,957	81,413,054

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 352

DATE JULY 14, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	79.0 %	94.8 %	82.9 %
20. UNIT AVAILABILITY FACTOR	79.0 %	94.8 %	82.9 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	74.4 %	93.4 %	76.6 %
22. UNIT CAPACITY FACTOR (USING DER NET)	74.4 %	93.4 %	76.6 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	.0 %
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 JULY 14, 1997
 COMPLETED BY PECO ENERGY COMPANY
 BRUCE E. CANFIELD
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3794

REPORT MONTH JUNE, 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
198	970607	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURB VALVE TESTING.
199	970613	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURB VALVE TESTING.
200	970614	F		A	1	N/A	CH	VALVEX	REACTOR POWER WAS REDUCED TO 63% DUE TO 5A FEEDWATER HEATER LEVEL CONTROL PROBLEM.
201	970621	S	151.0	B	1	N/A	CC	VALVEX	REACTOR POWER WAS REDUCED TO 0% TO REPAIR 1J SRV.
202	970629	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURB VALVE TESTING.
TOTAL HOURS			151.0						

(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
June 1 through June 30, 1997

I. Narrative Summary of Operating Experiences

Unit 2 began the month of June 1997 at 100% rated thermal power (RTP).

On June 5, 1997 at 1357 hours power was reduced to 80% RTP due to a power transient caused by the turbine generator electrohydraulic system. Power was reduced to 60% RTP at 1415 hours while troubleshooting commenced. Power was further reduced to 23% RTP in preparation for tripping the turbine should it be required.

On June 7, 1997 at 0535 hours power ascension from 24% RTP to 82% RTP began.

On June 10, 1997 at 1605 hours, power ascension was stopped at 88% RTP due to high oil temperature on the main transformer. Power was increased to 92% of RTP at 2144 hours.

On June 11, 1997 at 1157 hours, power ascension and rod pattern adjustments were performed. Power was restored to 100% RTP at approximately 2000 hours.

On June 12, 1997 at 1207 power was reduced to 95% RTP due to main turbine control valve signal oscillation. Power was restored to 100% RTP at 2137 hours.

On June 14, 1997 at 0330 hours, power was reduced to 98% of RTP for main turbine valve testing. Power was restored to 100% RTP at 0400 hours.

On June 20, 1997 at 2130 hours, power was reduced to 98% of RTP for main turbine valve testing. Power was restored to 100% RTP at 2341 hours.

On June 28, 1997 at 0112 hours, power was reduced to 98% of RTP for main turbine valve testing. Power was restored to 100% RTP at 0215 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 June.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 353
 UNIT LIMERICK UNIT 2
 DATE JULY 14, 1997
 COMPANY PECO ENERGY COMPANY
 BRUCE E. CANFIELD
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3794

MONTH JUNE, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1125
2	1125
3	1133
4	1129
5	762
6	199
7	531
8	893
9	888
10	921
11	1055
12	1092
13	1116
14	1121
15	1129
16	1129

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1125
18	1125
19	1116
20	1116
21	1108
22	1100
23	1109
24	1109
25	1105
26	1101
27	1110
28	1109
29	1118
30	1122

OPERATING DATA REPORT

DOCKET NO. 50 - 353
 DATE JULY 14, 1997
 COMPLETED BY PECO ENERGY COMPANY
 BRUCE E. CANFIELD
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3794

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 2
 2. REPORTING PERIOD: JUNE, 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 WAS ONE LOAD DROP
 GREATER THAN 20% THIS MONTH
 DUE TO POWER TRANSIENT CAUSED
 BY THE TURB GEN EHC SYSTEM.

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	720	4,343	65,543
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	3,702.8	59,730.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	3,439.6	58,378.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,300,621	10,680,614	187,105,358
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	768,900	3,524,300	61,914,580
18. NET ELECTRICAL ENERGY GENERATED (MWH)	742,103	3,396,716	59,701,447

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 353

DATE JULY 14, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	79.2 %	89.1 %
20. UNIT AVAILABILITY FACTOR	100.0 %	79.2 %	89.1 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	92.4 %	70.1 %	84.8 %
22. UNIT CAPACITY FACTOR (USING DER NET)	92.4 %	70.1 %	84.8 %
23. UNIT FORCED OUTAGE RATE	.0 %	3.3 %	3.6 %
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 JULY 14, 1997

COMPLETED BY PECO ENERGY COMPANY

BRUCE E. CANFIELD

REPORTS ENGINEER

SITE ENGINEERING

LIMERICK GENERATING STATION

TELEPHONE (610) 718-3794

REPORT MONTH JUNE, 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
180	970605	F		A	1	N/A	HA	INSTRU	REACTOR POWER WAS REDUCED TO 23% DUE TO A POWER TRANSIENT CAUSED BY THE TURB GEN EHC SYSTEM.
181	970612	F		A	1	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 95% DUE TO MAIN TURB CONTROL VALVE SIGNAL OSCILLATION.
182	970614	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURB VALVE TESTING.
183	970620	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURB VALVE TESTING.
184	970628	S		B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 98% DUE TO MAIN TURB 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