



PECO ENERGY

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

T.S.6.9.1.6

October 13, 1994

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 September 1994 forwarded pursuant to
Technical Specification 6.9.1.6.

Very truly yours,

James A. Muntz
Director - Site Engineering

sjk

Enclosures

cc: T. T. Martin, Administrator, Region I, USNRC (w/enclosures)
N. S. Perry, USNRC Senior Resident Inspector LGS
(w/enclosures)
D. R. Helwig, Vice President, Limerick Generating Station

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Limerick Generating Station
Unit 1
September 1 through September 30, 1994

I. Narrative Summary of Operating Experiences

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

On September 25, 1994, at 0825 hours, power was reduced to 91% RTP for Main Turbine valve testing. Power was restored to 100% RTP at 0925 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 September.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352

UNIT LIMERICK UNIT 1

DATE OCTOBER 13, 1994

COMPANY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 327-1200 EXTENSION 3763

MONTH SEPTEMBER 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1045	17	1039
2	1053	18	1053
3	1053	19	1053
4	1054	20	1049
5	1057	21	1050
6	1052	22	1046
7	1051	23	1046
8	1037	24	1051
9	1037	25	1044
10	1047	26	1045
11	1056	27	1044
12	1055	28	1051
13	1046	29	1055
14	1039	30	1056
15	1047		
16	1044		

OPERATING DATA REPORT

DOCKET NO. 50 - 352

DATE OCTOBER 13, 1994

COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY

REPORTS ENGINEER

SITE ENGINEERING

LIMERICK GENERATING STATION

TELEPHONE (610) 327-1200 EXTENSION 3763

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1
 2. REPORTING PERIOD: SEPTEMBER, 1994
 3. LICENSED THERMAL POWER(MWT): 3293
 4. NAMEPLATE RATING (GROSS MWE): 1138
 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	6,551	75,935
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5,700.2	61,899.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	5,643.7	60,828.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,369,686	17,793,826	187,244,585
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	781,050	5,804,550	60,846,590
18. NET ELECTRICAL ENERGY GENERATED (MWH)	754,880	5,600,027	58,386,017

DATE OCTOBER 13, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	86.2	80.1
20. UNIT AVAILABILITY FACTOR	100.0	86.2	80.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.4	81.0	72.9
22. UNIT CAPACITY FACTOR (USING DER NET)	99.4	81.0	72.9
23. UNIT FORCED OUTAGE RATE	0.0	1.0	4.4
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	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 OCTOBER 13, 1994

REPORT MONTH SEPTEMBER, 1994

COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 327-1200 EXTENSION 3763

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
32	940925	S	000.0	B	4	N/A	HA	INSTRU	REACTOR POWER WAS REDUCED TO 91% FOR MAIN TURBINE VALVE 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
September 1 through September 30, 1994

I. Narrative Summary of Operating Experiences

Limerick Unit 2 began the month of September at a nominal 100% of Rated Thermal Power (RTP).

On September 7, 1994, at 1645 hours, power was reduced due to lower than normal stator water cooling flow due to a clogged strainer. At 2253 hours power was at 25% RTP. The main turbine was removed from service in order to correct the low stator water cooling flow. On September 8, 1994, reactor power was reduced to 6% due to an increase in unidentified drywell leakage. It was later identified that a feedwater check valve bearing end cap was the source of the leak. The stator water cooling strainer and feedwater check valve were fixed and power was increased at 1735 hours on September 9, 1994. The main turbine was connected to the grid at 0323 hours on September 10th and power ascension continued. Power was restored to 100% RTP at 0911 hours on September 12, 1994.

On September 18, 1994, at 0935 hours, power was reduced to 91% RTP for Main Turbine valve testing. Power was restored to 99% RTP at 1115 hours.

On September 21, 1994, at 1805 hours, power was reduced to 95% RTP in order to remove the 5A, B, and C feedwater heaters from service. Following the removal of the feedwater heaters from service, power was restored to 100% RTP at 2015 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 September.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 353

UNIT LIMERICK UNIT 2

DATE OCTOBER 12, 1994

COMPANY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 327-1200 EXTENSION 3763

MONTH SEPTEMBER 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1044	17	1038
2	1051	18	1043
3	1052	19	1039
4	1051	20	1040
5	1054	21	1027
6	1049	22	1033
7	903	23	1032
8	0	24	1033
9	11	25	1030
10	332	26	1028
11	891	27	1026
12	993	28	1033
13	1044	29	1037
14	1039	30	1035
15	1048		
16	1044		

OPERATING DATA REPORT

DOCKET NO. 50 - 353

DATE OCTOBER 12, 1994

COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY

REPORTS ENGINEER

SITE ENGINEERING

LIMERICK GENERATING STATION

TELEPHONE (610) 327-1200 EXTENSION 3763

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 2
 2. REPORTING PERIOD: SEPTEMBER, 1994
 3. LICENSED THERMAL POWER(MWT): 3293
 4. NAMEPLATE RATING (GROSS MWE): 1138
 5. DESIGN ELECTRICAL RATING (NET MWE): 1055
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1092
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1055

NOTES: THERE WERE ONE LOAD DROP
 GREATER THAN 20% THIS
 MONTH DUE TO STATOR
 WATER COOLING.

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	6,551	41,447
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,551.0	37,193.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	672.7	6,503.7	36,450.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,144,755	21,251,612	116,556,693
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	699,100	7,082,560	38,575,086
18. NET ELECTRICAL ENERGY GENERATED (MWH)	673,668	6,838,459	37,169,151

DATE OCTOBER 12, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	93.4	99.3	87.9
20. UNIT AVAILABILITY FACTOR	93.4	99.3	87.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	88.7	98.9	85.0
22. UNIT CAPACITY FACTOR (USING DER NET)	88.7	98.9	85.0
23. UNIT FORCED OUTAGE RATE	6.0	0.7	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 OCTOBER 12, 1994

REPORT MONTH SEPTEMBER, 1994

COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY
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 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 327-1200 EXTENSION 3763

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
20	940907	F	043.2	H	1	N/A	WA	HTEXCH	REACTOR POWER WAS REDUCED TO 6% DUE TO THE STATOR WATER COOLING SYSTEM.
21	940918	S	000.0	B	4	N/A	HA	INSTRU	REACTOR POWER WAS REDUCED TO 91% FOR MAIN TURBINE VALVE TESTING.
22	940921	S	000.0	C	4	N/A	CH	HTEXCH	REACTOR POWER WAS REDUCED TO 95% DUE TO THE REMOVAL OF A FEEDWATER HEATER.
			43.2						

(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-D161)

(5)

EXHIBIT I - SAME SOURCE