



PECO ENERGY

PECO Energy Company
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T.S.6.9.1.6

June 12, 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 May, 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

Limerick Generating Station
Unit 1
May 1 through May 31, 1994

I. Narrative Summary of Operating Experiences

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

On May 8, 1994, at 0020 hours power was reduced to 92% RTP for a control rod pattern adjustment and main turbine valve testing. Power was restored to 100% at 0240 hours.

On May 17, 1994, at 1453 hours the 'A' Isophase Bus Cooling Fan tripped. ON-101 was entered and power was reduced at 1503 hours. The 'B' fan was out of service for maintenance. At 1505 hours the 'A' Fan was restored and the power reduction was stopped at 97% power. Power was restored to 100% at 1622 hours.

On May 23, 1994, at 1150 hours power was reduced to 90% RTP due to high turbine backpressure. Power was restored to 100% RTP at 1850 hours.

On May 25, 1994, at 1225 hours power was reduced to 97% RTP due to high turbine backpressure. Power was restored to 100% RTP at 2300 hours.

On May 26, 1994, at 1428 hours power was reduced to 97% RTP due to high turbine backpressure. Power was restored to 100% RTP at 2138 hours.

On May 30, 1994, at 1238 hours power was reduced to 95% RTP due to high turbine backpressure. Power was restored to 100% RTP at 2340 hours.

On May 31, 1994, at 1135 hours power was reduced to 93% RTP due to high turbine backpressure. Power was restored to 100% RTP at 2342 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 May.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352

UNIT LIMERICK UNIT 1

DATE JUNE 12, 1994

COMPANY PECO ENERGY COMPANY

STEVEN J. KELLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION

TELEPHONE (610) 827-1200 EXTENSION 3763

MONTH MAY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1048	17	1049
2	1047	18	1048
3	1047	19	1061
4	1043	20	1049
5	1042	21	1047
6	1041	22	1039
7	1042	23	1022
8	1037	24	1033
9	1034	25	1022
10	1041	26	1023
11	1066	27	1051
12	1019	28	1043
13	1043	29	1039
14	1038	30	1024
15	1035	31	1011
16	1038		

OPERATING DATA REPORT

DOCKET NO. 50 - 352

DATE JUNE 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 1
- 2. REPORTING PERIOD: MAY, 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	744	3,623	73,007
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2,772.2	58,971.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	2,715.7	57,900.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,441,680	8,199,650	177,650,409
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	799,700	2,663,450	57,705,490
18. NET ELECTRICAL ENERGY GENERATED (MWH)	773,301	2,565,394	55,351,384

DATE JUNE 12, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	75.0	79.3
20. UNIT AVAILABILITY FACTOR	100.0	75.0	79.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.5	67.1	71.9
22. UNIT CAPACITY FACTOR (USING DER NET)	98.5	67.1	71.9
23. UNIT FORCED OUTAGE RATE	0.0	2.1	4.6
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 JUNE 12, 1994

REPORT MONTH MAY, 1994

COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 328-1200 EXTENSION 3767

NO.	DATE	TYPE (1) (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
8	940508	S 000.0	B	4	N/A	RB	CONROO	REACTOR POWER WAS REDUCED TO 92% FOR A CONTROL ROD PATTERN ADJUSTMENT.
9	940517	F 000.0	A	4	N/A	EB	BLOWER	REACTOR POWER WAS REDUCED TO 97% DUE TO AN 150PHASE BUS COOLING FAN TRIP.
10	940529	F 000.0	H	4	N/A	HF	TURBIN	REACTOR POWER WAS REDUCED TO 90% DUE TO HIGH TURBINE BACKPRESSURE.
11	940525	F 000.0	H	4	N/A	HF	TURBIN	REACTOR POWER WAS REDUCED TO 97% DUE TO HIGH TURBINE BACKPRESSURE.
12	940526	F 000.0	H	4	N/A	HF	TURBIN	REACTOR POWER WAS REDUCED TO 97% DUE TO HIGH TURBINE BACKPRESSURE.
13	940530	F 000.0	H	4	N/A	HF	TURBIN	REACTOR POWER WAS REDUCED TO 95% DUE TO HIGH TURBINE BACKPRESSURE.
14	940531	F 000.0	H	4	N/A	HF	TURBIN	REACTOR POWER WAS REDUCED TO 93% DUE TO HIGH TURBINE BACKPRESSURE.

(1)

(2)

(3)

(4)

F - FORCED
 S - SCHEDULED

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)

METHOD
 1 - MANUAL
 2 - MANUAL SCRAM
 3 - AUTOMATIC SCRAM
 4 - OTHER (EXPLAIN)

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
May 1 through May 31, 1994

I. Narrative Summary of Operating Experiences

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

On May 15, 1994, at 0000 hours power was reduced to 92% RTP for a control rod pattern adjustment and main turbine valve testing. Power was restored to 100% RTP at 0208 hours.

On May 20, 1994, at 1621 hours power was reduced to 85% RTP for insertion of various control rods for HCU maintenance. Power was restored to 100% at 2107 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 May.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 353
 UNIT LIMERICK UNIT 2
 DATE JUNE 13, 1994
 COMPANY PECO ENERGY COMPANY
 STEVEN J. KELLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 327-1200 EXTENSION 3763

MONTH MAY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1064	17	1070
2	1063	18	1069
3	1070	19	1071
4	1066	20	1060
5	1066	21	1068
6	1064	22	1064
7	1062	23	1061
8	1065	24	1059
9	1059	25	1062
10	1065	26	1057
11	1087	27	1066
12	1037	28	1068
13	1067	29	1066
14	1059	30	1069
15	1055	31	1057
16	1063		

OPERATING DATA REPORT

DOCKET NO. 50 - 353
 DATE JUNE 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: _____
 2. REPORTING PERIOD: MAX. 1994 _____
 3. LICENSED THERMAL POWER (MW): 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
 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
 NOTES: THERE WERE NO LOAD DROPS
 GREATER THAN 20% THIS MONTH.

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	3,623	38,519
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,623.0	34,265.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	3,623.0	33,569.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MMWH)	2,447,347	11,865,076	107,170,157
17. GROSS ELECTRICAL ENERGY GENERATED (MMWH)	819,590	3,981,130	35,473,656
18. NET ELECTRICAL ENERGY GENERATED (MMWH)	797,476	3,848,432	34,179,124

 DATE JUNE 13, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	100.0	87.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	87.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.8	100.7	84.1
22. UNIT CAPACITY FACTOR (USING DER NET)	100.8	100.7	84.1
23. UNIT FORCED OUTAGE RATE	0.0	0.0	0.7
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 JUNE 13, 1994

REPORT MONTH MAY, 1994

COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY
 REPORTS ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 327-1200 EXTENSION 3783

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
6	940515	S	000.0	B	4	N/A	HA	INSTRU	REACTOR POWER WAS REDUCED TO 92% FOR MAIN TURBINE VALVE TESTING.
7	940520	F	000.0	B	4	N/A	RB	CRDRVE	REACTOR POWER WAS REDUCED TO 85% FOR HYDRAULIC CONTROL UNIT MAINTENANCE.

(1)

(2)

(3)

(4)

F - FORCED
 S - SCHEDULED

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)

METHOD
 1 - MANUAL
 2 - MANUAL SCRAM
 3 - AUTOMATIC SCRAM
 4 - OTHER (EXPLAIN)

EXHIBIT G - INSTRUCTIONS
 FOR PREPARATION OF DATA
 ENTRY SHEETS FOR LICENSEE
 EVENT REPORT (LER)
 FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE