PECO ENERGY

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

T.S.6.9.1.6

February 13, 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 January 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 (w/enclosures)
N. S. Perry, USNRC Senior Resident Inspector LGS (w/enclosures)
D. R. Helwig, Vice President, Limerick Generating Station

IE24

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

Limerick Generating Station
Unit 1
January 1 through January 31, 1995

I. Narrative Summary of Operating Experiences

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

On January 2, 1995, at 0004 hours, power reduction began in preparation to rework the 1B reactor recirculation pump seal. Power was reduced to 21.2% RTP. During the power reduction the seal stabilized and cavity pressure returned to normal. The situation was reviewed and it was determined that the recirculation pump seal would not be reworked at this time. Power was returned to 100% RTP on January 3, 1995, at 2235 hours.

On January 15, 1995, at 1015 hours, power was reduced to 90% RTP for main turbine valve testing. Power was restored to 100% RTP at 1434 hours.

On January 22, 1995, at 0412 hours, power was reduced to 70% RTP for a control rod pattern adjustment and scram time testing. Power was restored to 100% RTP at 2115 hours.

On January 23, 1995, at 1254 hours, power was reduced to 80% RTP for troubleshooting of a control valve pressure switch. Power was restored to 100% RTP at 1950 hours.

On January 30, 1995, at 0748 hours, the 1A Recirculation Pump motor generator set tripped when a contract worker bumped into the MG set cabinet. Power was stabilized at 35% RTP. The recirculation MG set was restarted at 1116 hours and power ascension began at 1242 hours. Power was restored to 100% RTP at 1037 hours on January 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 January.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352
UNIT LIMERICK UNIT 1
DATE FEBRUARY 13, 1995
COMPANY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 718-3763

MONTH JANUARY 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1064	17	1061
2	446	18	1068
3	928	19	1065
4	1065	20	1057
5	1068	21	1061
6	1064	22	922
7	1064	23	1021
8	1064	24	1066
9	1068	25	1066
10	1068	26	1065
11	1064	27	1059
12	1069	28	1065
13	1061	29	1066
14	1053	30	712
15	1034	31	1039
16	1058		

OPERATING DATA REPORT

DOCKET NO. 50 - 352
DATE FEBRUARY 13, 1995
COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3763

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1
2. REPORTING PERIOD: JANUARY, 1995
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
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:

NOTES: THERE WERE 3 LOAD DROPS GREATER THAN 20% THIS MONTH. RECIRC PUMP MAINTENANCE, CONTROL ROD PATTERN ADJUSTMENT AND M/G SET TRIP.

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	744	78,888
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	64,852.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	744.0	63,769.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,353,272	2,353,272	196,669,810
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	785,200	785,200	63,969,480
18. NET ELECTRICAL ENERGY GENERATED (MWH)	759,134	759,134	61,403,140

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 352

DATE FEBRUARY 13, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	100.0	80.8
20. UNIT AVAILABILITY FACTOR	100.0	100.0	80.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.7	96.7	73.8
22. UNIT CAPACITY FACTOR (USING DER NET)	96.7	96.7	73.8
23. UNIT FORCED OUTAGE RATE	0.0	0.0	4.2

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 FEBRUARY 13, 1995
COMPLETED BY PECO ENERGY COMPANY

REPORT MONTH JANUARY, 1995

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3763

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
45	950102	S	000.0	B	4	N/A	CB	PUMPXX	REACTOR POWER WAS REDUCED TO 21.1% DUE TO RECIRC PUMP MAINTENANCE.
46	950115	S	000.0	B	4	N/A	HA	VALVEX	REACTOR POWER WAS REDUCED TO 90% FOR MAIN TURBINE VALVE TESTING.
47	950122	S	000.0	B	4	N/A	RB	CONROD	REACTOR POWER WAS REDUCED TO 70% DUE TO CONTROL ROD PATTERN ADJUSTMENTS.
48	950123	S	000.0	B	4	N/A	CC	INSTRU	REACTOR POWER WAS REDUCED TO 80% DUE TO A CONTROL VALVE PRESSURE SWITCH.
49	950130	F	000.0	H	4	N/A	CB	GENERA	REACTOR POWER WAS REDUCED TO 35% DUE TO A TRIPPED M/G SET.

(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
January 1995

Limerick Generating Station
Unit 2
January 1 through January 31, 1995

I. Narrative Summary of Operating Experiences

Unit 2 began the month of January at 63.7% of Rated Thermal Power (RTP) in end-of-cycle coastdown. Power reduction occurred throughout this operating period due to end-of-cycle coastdown.

On January 15, 1995, at 0001 hours, power was reduced to 30% RTP for scaffold erection in preparation for refueling activities. Scaffold erection was completed and power ascension began at 1535 hours. At 1650 hours, at 37% RTP, the Unit entered single loop operation when the 2B Reactor Recirculation Motor-Generator (MG) set was removed from service in order to work on the 2B MG set ground detection system. On January 17, 1995, at 0003 hours, power was increased to 43.4% RTP.

On January 18, 1995, at 2220 hours, power was reduced to 35% RTP due to a 2A reactor recirculation pump runback. The runback occured while securing the 2A condensate pump from service and a low level signal was recieved. Level returned to normal and power was stabilized at 35% RTP. Power was restored to 42% RTP at 0902 hours on January 19, 1995.

On January 26, 1995, at 1631 hours power was reduced to 38% RTP in order to place the 2B Reactor Recirculation MG set in service. The 2B MG set was returned to service on January 26, 1995. At 1830 hours power was returned to 55.8% RTP.

On January 27, 1995, at 0112 hours, power reduction was started in preparation for refueling. At 1000 hours the Unit was manually shutdown from 21% RTP and the plant entered Operational Condition 3, Hot Shutdown.

On January 27, 1995, at 1857 hours Operational Condition 4, Cold Shutdown, was entered when the reactor coolant temperature reached 200 degrees F.

On January 28, 1995, at 1315 hours, Operational Condition 5 was entered due to detensioning of the reactor pressure vessel head.

Unit 2 ended this operating period in refueling operations

with the plant in Operational Condition 5, Refueling.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of January.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 353
UNIT LIMERICK UNIT 2
DATE FEBRUARY 13, 1995
COMPANY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION

TELEPHONE (610) 718-3763

MONTH JANUARY 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	622	17	395
2	614	18	369
3	614	19	345
4	614	20	369
5	610	21	369
6	601	22	377
7	598	23	369
8	598	24	369
9	593	25	370
10	593	26	403
11	584	27	93
12	580	28	0
13	576	29	0
14	567	30	0
15	260	31	0
16	297		

OPERATING DATA REPORT

DOCKET NO. 50 - 353
DATE FEBRUARY 13, 1995
COMPLETED BY PECO ENERGY COMPANY

STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3763

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 2
2. REPORTING PERIOD: JANUARY, 1995
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 TWO LOAD DROPS GREATER THAN 20% THIS MONTH DUE TO REFUELING OUTAGE ACTIVITIES AND SHUTDOWN.

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	744	44,400
12. NUMBER OF HOURS REACTOR WAS CRITICAL	634.0	634.0	39,997.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	634.0	634.0	39,238.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,025,993	1,025,993	123,255,576
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	324,600	324,600	40,708,180
18. NET ELECTRICAL ENERGY GENERATED (MWH)	305,601	305,601	39,207,801

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 353

DATE FEBRUARY 13, 1995

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	85.2	85.2	88.4
20. UNIT AVAILABILITY FACTOR	85.2	85.2	88.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	38.9	38.9	83.7
22. UNIT CAPACITY FACTOR (USING DER NET)	38.9	38.9	83.7
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
REFUELING OUTAGE STARTED ON 1/27/95 AT 10:00

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

REPORT MONTH JANUARY, 1995

DOCKET NO. 50 - 353
UNIT NAME LIMERICK UNIT 2
DATE FEBRUARY 13, 1995
COMPLETED BY PECO ENERGY COMPANY
STEVEN J. KELLEY
REPORTS ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3763

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
31	950115	S	000.0	B	4	N/A	CA	VESSEL	REACTOR POWER WAS REDUCED TO 30% FOR REFUELING OUTAGE PREPARATIONS.
32	950118	F	000.0	H	4	N/A	CB	PUMPXX	REACTOR POWER WAS REDUCED TO 35% DUE TO RECIRC PUMP RUNBACK.
33	950126	S	000.0	H	4	N/A	CB	GENERA	REACTOR POWER WAS REDUCED TO 38% FOR PLACING THE M/G SET IN SERVICE.
34	950127	S	110.0	C	1	N/A	RC	FUELXX	REACTOR WAS SHUTDOWN FOR REFUELING OUTAGE.
			110.0						

(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