

PHILADELPHIA ELECTRIC COMPANY

LIMERICK GENERATING STATION

P. O. BOX 2300

POTTSTOWN, PA 19464-0920

(215) 327-1200, EXT. 3000

March 6, 1992

GRAHAM M. LEITCH
VICE PRESIDENT
LIMERICK GENERATING STATION

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 February, 1992 forwarded pursuant to
Technical Specification 6.9.1.6.

Very truly yours,



KWM/dms

Enclosure

cc: I. T. Martin, Administrator, Region I, USNRC
T. J. Kenny, USNRC Senior Resident Inspector

TE24

Docket No. #50-352
Attachment to Monthly
Operating Report for
February 1992

LIMERICK GENERATING STATION
UNIT 1
FEBRUARY 1 THROUGH FEBRUARY 29, 1992

I. NARRATIVE SUMMARY OF OPERATING EXPERIENCES

Limerick Unit 1 began the month of February at 100% of rated thermal power. On Friday, February 7, reactor power was briefly reduced to 95% to facilitate a control rod pattern adjustment. Reactor power was briefly reduced to approximately 85% on February 12, due to Off Gas system air in-leakage investigation and repair. On Friday, February 21, reactor power was briefly reduced to 90% to facilitate a control rod pattern adjustment and perform Main Turbine Control Valve testing. Unit 1 ended this operating period at a nominal 100% of rated thermal power.

II. CHALLENGES TO MAIN STEAM SAFETY RELIEF VALVES

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

oprtgex1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352
UNIT LIMERICK UNIT 1
DATE MARCH 04, 1982
COMPANY PHILADELPHIA ELECTRIC COMPANY
KARL MECK
REPORTS SUPERVISOR
BUSINESS UNIT
LIMERICK GENERATING STATION
TELEPHONE (215) 327-1200 EXTENSION 3320

MONTH FEBRUARY 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1053	17	1049
2	1057	18	1053
3	1052	19	1048
4	1052	20	1052
5	1051	21	1041
6	1051	22	1050
7	1051	23	1048
8	1051	24	1052
9	1054	25	1052
10	1053	26	1051
11	1064	27	1054
12	1034	28	1050
13	1051	29	1054
14	1055		
15	1050		
16	1046		

OPERATING DATA REPORT

DOCKET NO. 50 - 352

DATE MARCH 04, 1984

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

KARL MECK
REPORTS SUPERVISOR
BUSINESS UNIT
LIMERICK GENERATING STATION

TELEPHONE (215) 327-1200 EXTENSION 3320

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1
 2. REPORTING PERIOD: FEBRUARY, 1992
 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

REDUCTIONS GREATER THAN
20% DURING THE 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	696	1,440	53,280
12. NUMBER OF HOURS REACTOR WAS CRITICAL	696.0	1,440.0	4,748.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	696.0	1,433.7	41,875.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,285,291	4,824,843	23,878,850
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	758,160	1,526,800	7,122,740
18. NET ELECTRICAL ENERGY GENERATED (MWH)	721,524	1,474,573	39,286,029

DATE MARCH 04, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	99.6	78.6
20. UNIT AVAILABILITY FACTOR	100.0	99.6	78.6
21. UNIT CAPACITY FACTOR (USING MOC NET)	98.6	97.1	69.9
22. UNIT CAPACITY FACTOR (USING DER NET)	98.6	97.1	69.9
23. UNIT FORCED OUTAGE RATE	0.0	0.4	4.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
 4TH REFUELING OUTAGE; 03/21/92, 70 DAYS

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

FORECAST

12/19/84

MID APRIL 85

1ST QTR 86

ACHIEVED

12/22/84

4/13/86

2/01/86

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 352

UNIT NAME LIMERICK UNIT 1

DATE MARCH 04, 1992

REPORT MONTH FEBRUARY, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

KARL MECH
REPORTS SUPERVISOR
BUSINESS UNIT

LIMERICK GENERATING STATION
TELEPHONE (215) 327-1200 EXTENSION 3320

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7	920207	S	000.0	B	4	N/A	RB	CONROD	LOAD WAS REDUCED 5% FOR CONTROL ROD PATTERN ADJUSTMENT.
8	920212	S	000.0	H	4	N/A	MB	KXXXXX	LOAD WAS REDUCED 15% FOR OFFGAS SYSTEM AIR IN LEAKAGE INVESTIGATION.
9	920221	S	000.0	B	4	N/A	RB	CONROD	LOAD WAS REDUCED 10% FOR CONTROL ROD PATTERN ADJUSTMENT AND MAIN TURBINE CONTROL VALVE TESTING.

(1)	(2)	(3)	(4)
F - FORCED S - SCHEDULED	REASON A - EQUIPMENT FAILURE (EXPLAIN) B - MAINTENANCE OR TEST C - REFUELING D - REGULATOR 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) EXHIBIT A - SAME SOURCE

Docket No. #50-353
Attachment to Monthly
Operating Report for
February 1992

LIMERICK GENERATING STATION
UNIT 2
FEBRUARY 1 THROUGH FEBRUARY 29, 1992

1. NARRATIVE SUMMARY OF OPERATING EXPERIENCES

Limerick Unit 2 began the month of February at a nominal 100% of rated thermal power. On Tuesday, February 4, reactor power was briefly reduced to 90% to investigate a spurious increase in speed of the '2A' Reactor Recirculation Pump. On Friday, February 7, reactor power was reduced to 42% to perform brush replacement on the '2A' Reactor Recirculation Pump Motor-Generator set. Power was restored upon completion of maintenance on February 8. On February 9, reactor power was briefly reduced to 90% to support a control rod pattern adjustment. Unit 2 ended this operating period at a nominal 100% of rated thermal power.

Operational events that occurred during the month of February included:

A potential compromise to the structural redundancy of the Residual Heat Removal (RHR) system occurred when watertight door #75 (between the '2A'/'2C' RHR pump room and the '2B'/'2D' RHR pump room) was discovered open at 0736 hours on Tuesday, February 4. The door was immediately closed and secured. A one hour notification to the NRC was made pursuant to 10CFR50.72(b)(1)(ii)(B) for a condition outside the plant design basis.

The High Pressure Coolant Injection (HPCI) system was declared inoperable on three separate occasions due to flow control circuit inverter failures from blown fuses. The inverter has since been replaced. Three four hour notifications were made pursuant to 10CFR50.72(b)(2)(iii)(D) for accident mitigation.

A spurious increase in the speed of the '2A' Reactor Recirculation pump was observed at 1857 hours on Tuesday, February 4, during reactor building HVAC system manipulations. Speed demand was reduced immediately and the pump's motor-generator set stabilized. The determination was made that actual reactor power had not exceeded 102% of rated thermal power.

II. CHALLENGES TO MAIN STEAM SAFETY RELIEF VALVES

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

oprtegex2

AVERAGE DAILY UNIT POWER LEVEL

DUCKET NO. 50 - 853

UNIT: LIMERICK UNIT 2

DATE MARCH 04, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

KARL MECK
REPORTS SUPERVISOR
BUSINESS UNIT
LIMERICK GENERATING STATION

TELEPHONE (215) 327-1200 EXTENSION 3920

MONTH FEBRUARY 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1065	17	1062
2	1071	18	1067
3	1070	19	1061
4	1061	20	1062
5	1062	21	1062
6	1065	22	1063
7	552	23	1060
8	1029	24	1062
9	1050	25	1063
10	1068	26	1064
11	1079	27	1062
12	1057	28	1060
13	1065	29	1063
14	1069		
15	1061		
16	1065		

OPERATING DATA REPORT

DOCKET NO. 50 - 192
 DATE MARCH 04, 1952
 COMPLETED BY PHILADELPHIA ELECTRIC COMPANY
 KARL MECK
 REPORTS SUPERVISOR
 BUSINESS UNIT
 LIMERICK GENERATING STATION
 TELEPHONE (215) 227-1200 EXTENSION 3320

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 2
 2. REPORTING PERIOD: FEBRUARY, 1952
 3. LICENSED THERMAL POWER (MW): 3293
 4. NAMEPLATE RATING (GROSS MWE): 1138
 5. DESIGN ELECTRICAL RATING (NET MWS): 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 WAS ONE LOAD
 REDUCTION TO 42% FOR
 '2A' REACTOR RECIRCULATION
 MG SET BRUSH REPLACEMENT.

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWS):

10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	586	1,440	18,791
12. NUMBER OF HOURS REACTOR WAS CRITICAL	596.0	1,440.0	16,028.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	596.0	1,440.0	18,329.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MMBtu)	1,152,938	4,647,174	49,959,870
17. GROSS ELECTRICAL ENERGY GENERATED (MMWh)	759,980	1,589,640	16,801,276
18. NET ELECTRICAL ENERGY GENERATED (MMWh)	727,992	1,516,415	15,890,280

OPERATING DATA REPORT (CONTINUED)

DATE 04/02/04, 1992

	THIS MONTH	VR-TD-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	100.0	82.7
20. UNIT AVAILABILITY FACTOR	100.0	100.0	62.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.1	99.8	80.2
22. UNIT CAPACITY FACTOR (USING DER NET)	99.1	99.8	80.2
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.3

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
08/12/89	08/12/89
09/01/89	09/01/89
02/01/90	01/08/90

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

SECRET NO.

UNIT NAME

REASON FOR SHUTDOWN

COMPLETED BY

DATE
REPORTING
BY
TIME
TELEPHONE

NO.	DATE	TYPE	DURATION (1) (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REA (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENT
5	920204	F	000.0	F	4	N/A	CB	PUMPK	LOAD WAS REDUCED 10% TO INVESTIGATE SPURIOUS INCREASE IN REACTOR RECIRCULATION PUMP SPEED.
6	920207	F	000.0	B	4	N/A	CB	MOTORA	LOAD WAS REDUCED 5% FOR 24 REACTOR RECIRULATION NO SE-DRUG-REPLACEMENT
7	920209	S	040.0	B	4	N/A	RB	CONROD	LOAD WAS REDUCED 10% FOR CONTROL AND PATTERN ADJUSTMENT

(1)

R - FORCED
S - SCHEDULED

(2)

REASON
A - EQUIPMENT FAILURE (EXPLAIN)
B - MAINTENANCE OR TEST
C - REPAIRING
D - REGULATOR 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)

EXHIBIT
FOR RECORDING OR DATA
ENTRY SHEET FOR 1-1-1-1-1
FILE IN RECORD