AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352

UNIT LIMERICK UNIT 1

DATE MAY 13, 1988

COMPANY PHILADELPHIA ELECTRIC COMPANY

R. W. GROPP
TECHNICAL ASSISTANT
LICENSING SECTION
NUCLEAR SUPPORT DEPARTMENT

TELEPHONE (215) 841-5058

MONTH APRIL 1988

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1014	17	0
2	957	18	0
3	864	19	0
4	871	20	0
5	858	21	0
6	875	22	151
7	865	23	445
8	632	24	533
9	0	25	758
10	0	26	844
11	0	27	803
12	0	28	844
13	0	29	873
14	0	30	879
15	0		
16	0		

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OPERATING DATA REPORT

DOCKET NO. 50 - 352
DATE MAY 13, 1988
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY
R. H. GROPP
TECHNICAL ASSISTANT
LICENSING SECTION
NUCLEAR SUPPORT DEPARTMENT
TELEPHONE (215) 841-5058

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1
2. REPORTING PERIOD: APRIL, 1988
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: UNIT 1 EXPERIENCED A MAINTENANCE OUTAGE FOR CLEANING OF CONDENSER TUBES.

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	719	2,903	19,679
12. NUMBER OF HOURS REACTOR WAS CRITICAL	411.3	2,595.3	15,463.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	405.0	2,589.0	15,151.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,025,916	8,077,664	46,974,045
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	325,680	2,608,230	15,307,640
18. NET ELECTRICAL ENERGY GENERATED (MWH)	309,445	2,511,621	14,679,461

DATE MAY 13, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	56.3	89.2	77.0
20. UNIT AVAILABILITY FACTOR	56.3	89.2	77.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	40.8	82.0	70.7
22. UNIT CAPACITY FACTOR (USING DER NET)	40.8	82.0	70.7
23. UNIT FORCED OUTAGE RATE	43.7	10.8	5.0

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 MAY 13, 1988

REPORT MONTH APRIL, 1988

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

R. W. GROPP
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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
2	880409	F	314.0	B	3	N/A	HC	HTEXCH	MAINTENANCE OUTAGE FOR CLEANING OF CONDENSER TUBES
			314.0						

(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

Docket No. 50-352
Attachment to Monthly
Operating Report for
April, 1988

Limerick Generating Station
Unit 1
April 1 through April 30, 1988

I. Narrative Summary of Operating Experiences

The unit began the report period operating at approximately 97% power due to main turbine backpressure limitations.

On April 2, 1988, reactor power was reduced to approximately 85% in order to determine the location of a fuel leaker.

On April 5, 1988 the D13 Diesel Generator was started for its monthly operability test run. After successful synchronization and loading to 2850 kW, the diesel generator load increased to 3500 kW with no operator action. Diesel load control did not respond to immediate attempts by control room personnel, via the control room governor control, consequently the diesel was manually tripped and declared inoperable. The remaining three diesels were demonstrated operable, within 24 hours, in accordance with Technical Specifications. An investigation into the D13 Diesel Generator control event revealed that the governor was malfunctioning. The governor was replaced and the diesel was declared operable on April 13, 1988. On April 9, 1988 at 0131 hours, the unit was shut down for a circulating water condenser tube cleaning mini-outage.

On April 9, 1988 at 0415 hours, with plant shutdown in progress, a full reactor scram occurred as a result of an upscale trip on the 'C' IRM channel in combination with a previously inserted manual half scram on the 'B' IRM channel.

Again on April 9, 1988, at 1536 hours with the unit in Operating Condition 4 (Cold Shutdown), another full scram signal was received due to a spike on the 'F' IRM channel in conjunction with the previously inserted manual half scram. All control rods were full-in at the time of the event. The 'F' IRM channel spike was attributed to electronic noise. The 'F' IRM was declared inoperable, replaced, subsequently functionally tested and declared operable on April 16, 1988.

On April 22, 1988, at 0320 hours, Limerick Unit 1 returned to power operation following the circulating water condenser tube cleaning mini-outage. However, reactor power was limited to approximately 80% due to concerns about a fuel leak.

On April 27, 1988, reactor power was reduced from approximately 82% to 63% to facilitate control rod pattern adjustments. Following control rod pattern adjustment, reactor power was returned to approximately 85% power.

The unit ended the report period operating at approximately 85% power due to concerns about a fuel leak.

Docket No. 50-352
Attachment to Monthly
Operating Report for
April, 1988

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Relief valve system during the month of April.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

May 13, 1988

Docket No. 50-352

Director
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Document Control Desk

SUBJECT: Limerick Generating Station
Monthly Operating Report

Gentlemen:

Enclosed is the monthly operating report for Limerick Unit 1 for the month of April, 1988, forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

W. M. Alden

W. M. Alden
Director
Licensing Section
Nuclear Support Division

Attachment

cc: Director, Office of Inspection & Enforcement, USNRC (12 copies)
William T. Russell, Administrator, Region I, USNRC
T. J. Kenny, USNRC Senior Resident Inspector
Mr. David E. Ney, PA Dept. of Envir. Resources
Mr. P. A. Ross, NRC (2 copies)
INPO Records Center

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