

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 352

UNIT LIMERICK UNIT 1

DATE JANUARY 15, 1988

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5058

MONTH DECEMBER 1987

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1029	17	1043
2	1019	18	1038
3	1034	19	1038
4	1030	20	1039
5	1035	21	1034
6	1032	22	1044
7	1035	23	1042
8	1034	24	812
9	1030	25	800
10	1027	26	809
11	1040	27	937
12	1035	28	1039
13	1038	29	1061
14	1044	30	1002
15	1034	31	1027
16	1041		

IF 24

# OPERATING DATA REPORT

DOCKET NO. 50 - 352

DATE JANUARY 15, 1988

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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## OPERATING STATUS

- |   |        |                                 |  |
|---|--------|---------------------------------|--|
| 1. UNIT NAME: LIMERICK                      | UNIT 1 | NOTES: THE UNIT EXPERIENCED ONE |  |
| -----                                       |        |                                 |  |
| 2. REPORTING PERIOD: DECEMBER, 1987         |        | FORCED LOAD REDUCTION.          |  |
| -----                                       |        |                                 |  |
| 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:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	8,760	16,776
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	6,151.0	12,868.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	5,926.7	12,562.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MMH)	2,377,260	17,298,219	38,896,381
17. GROSS ELECTRICAL ENERGY GENERATED (MMH)	778,310	5,572,530	12,699,410
18. NET ELECTRICAL ENERGY GENERATED (MMH)	751,250	5,318,987	12,167,837

DATE JANUARY 15, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	67.7	74.9
20. UNIT AVAILABILITY FACTOR	100.0	67.7	74.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	95.7	57.6	68.7
22. UNIT CAPACITY FACTOR (USING DER NET)	95.7	57.6	68.7
23. UNIT FORCED OUTAGE RATE	0.0	4.1	3.8
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
REFUELING OUTAGE			

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

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REPORT MONTH DECEMBER, 1987

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EXHIBIT I - SAME SOURCE

Limerick Generating Station  
Unit 1  
December 1 through December 31, 1987

I. Narrative Summary of Operating Experiences

The unit began the report period operating at approximately 100% power.

On December 8, 1987, during the performance of the quarterly HPCI Pump, Valve and Flow Surveillance Test, the auxiliary oil pump began to cycle and the stop valve began to oscillate. An investigation revealed that the mechanical overspeed trip mechanism was malfunctioning. The suspected cause of the malfunction was dirt accumulation in one of the trip mechanism's oil ports. Following flushing of the oil system and exercising the trip mechanism, the surveillance test was completed satisfactorily.

On December 24, 1987, a condensate filter demineralizer resin intrusion occurred while returning a condensate filter demineralizer to service. This resulted in reactor coolant chemistry changes and increased steam line radiation levels necessitating a power reduction to 78% power. On December 27, 1987, following reactor coolant cleanup and subsequent investigation, the reactor was returned to full power operations.

The unit ended the report period operating at approximately 100% power.

II. Challenges to Main Steam Safety Relief valves

There were no challenges to the Main Steam Safety-Relief valves during the month of December.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

January 15, 1988

Docket No. 50-352

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

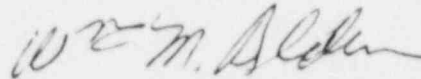
Attention: Document Control Desk

SUBJECT: Limerick Generating Station  
Monthly Operating Report

Gentlemen:

Enclosed is the monthly operating report for Limerick Unit 1 for the month of December 1987, forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,



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  
E. M. Kelly, Senior Resident Site Inspector  
Mr. David E. Ney, PA Dept. of Envir. Resources  
Mr. P. A. Ross, NRC (2 copies)  
INPO Records Center

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