

CLEVELAND ELECTRIC ILLUMINATING COMPANY

PERRY NUCLEAR POWER PLANT

September 1, 1987 - September 30, 1987

MONTHLY OPERATING REPORT TO NRC

DOCKET NUMBER: 50-440

LICENSE NUMBER: NPF-58

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September 1987 Operations Summary

The plant entered the month in Operational Condition 1 and continued with Startup Test Condition 6 testing. On September 9 the plant automatically shut down on a high reactor vessel water level signal during performance of a Feedwater Periodic Test Instruction. As vessel level decreased following the scram, the High Pressure Core Spray System initiated and an Unusual Event was declared. The plant was restarted and synchronized to the grid on September 12, and startup testing was resumed. When a Main Steam Isolation Valve failed to reopen during a surveillance test evolution on September 22, a decision was made to shut the plant down to repair the valve. The plant remained in Cold Shutdown through the end of the month, while conducting troubleshooting of the Main Steam Line B isolation valves and performing eighteen month surveillance testing of the Division 1 and 2 Diesel Generators.

Average Daily Unit Power Level

| | |
|------------|---------------|
| DOCKET NO. | 50-440 |
| UNIT | Perry-One |
| DATE | 10/14/87 |
| Contact | G.A. Dunn |
| Telephone | (216)259-3737 |

MONTH September 1987

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 856 | 17 | 1119 |
| 2 | 853 | 18 | 1126 |
| 3 | 688 | 19 | 1124 |
| 4 | 1091 | 20 | 910 |
| 5 | 1156 | 21 | 981 |
| 6 | 1062 | 22 | 711 |
| 7 | 1061 | 23 | 0 |
| 8 | 1169 | 24 | 0 |
| 9 | 727 | 25 | 0 |
| 10 | 0 | 26 | 0 |
| 11 | 0 | 27 | 0 |
| 12 | 390 | 28 | 0 |
| 13 | 1006 | 29 | 0 |
| 14 | 919 | 30 | 0 |
| 15 | 1022 | 31 | N/A |
| 16 | 1157 | | |

INSTRUCTIONS

On this format list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

Operating Data Report

DOCKET NO. 50-440
DATE 10/14/87
CONTACT G.A. Dunn
TELEPHONE (216)259-3737

OPERATING STATUS

1. Unit Name: Perry-One
2. Reporting Period: September 1987
3. Licensed Thermal Power (MWt): 3579
4. Nameplate Rating (Gross MWe): 1250
5. Design Electrical Rating (Net MWe): 1205
6. Maximum Dependable Capacity (Gross MWe): N/A
7. Maximum Dependable Capacity (Net MWe): N/A
8. If Changes Occur in Capacity Ratings (Item Numbers 3 through 7) Since Last Report, Give Reasons:
None

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 | 720 | 6,551 | 14,231 |
| 12. Hours Reactor Was Critical | 511.8 | 3,102.7 | 4,532.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 470.0 | 2,149.9 | 2,152.4 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy (MWH) | 1,429,825 | 4,005,184 | 4,110,520 |
| 17. Gross Electrical Energy (MWH) | 488,978 | 1,250,920 | 1,251,156 |
| 18. Net Electrical Energy (MWH) | 459,546 | 1,124,300 | 1,124,300 |

19. Unit Service Factor
20. Unit Availability Factor
21. Unit Capacity Factor (Using MDC Net) NOT IN COMMERCIAL OPERATION
22. Unit Capacity Factor (Using DER Net)
23. Unit Forced Outage Rate
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each):
N/A

25. If Shut Down At End of Report Period, Estimated Date of Startup:
October 10, 1987

26. Units In Test Status (Prior to Commercial Operation):

| | |
|-------------------------|----------|
| Forecast | Achieved |
| INITIAL CRITICALITY | 06/06/86 |
| * INITIAL ELECTRICITY | 12/19/86 |
| ** COMMERCIAL OPERATION | 11/13/86 |

* Generator Synchronization
** End Power Ascension (100 Hour Warranty Run)
N/A Not applicable until commercial operation



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

P.O. BOX 97 ■ PERRY, OHIO 44081 ■ TELEPHONE (216) 259-3737 ■ ADDRESS-10 CENTER ROAD

Serving The Best Location in the Nation
PERRY NUCLEAR POWER PLANT

Murray R. Edelman

SR. VICE PRESIDENT
NUCLEAR

October 14, 1987
PY-CEI/NRR-0732 L

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Perry Nuclear Power Plant
Docket No. 50-440
Monthly Operating Report

Dear Sir:

Attached is the September 1987 monthly operating report for Perry Unit 1. This report is submitted in accordance with Technical Specification 6.9.1.8.

Please feel free to contact me if you have any questions.

Very truly yours,

Murray R. Edelman
Senior Vice President
Nuclear Group

MRE:njc

Attachment

cc: T. Colburn
K. Connaughton
USNRC, Region III
Director, Office of Resource Management

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