



**CENTERIOR
ENERGY**

PERRY NUCLEAR POWER PLANT

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October 14, 1996
PY-CEI/NRR-2103L

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

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

Gentlemen:

Attached is the September 1996 Monthly Operating Report for Perry Unit 1.
This report is submitted in accordance with Technical Specification
5.6.4.

If you have questions or require additional information, please contact
Mr. James D. Kloosterman, Manager - Regulatory Affairs at (216) 280-5833.

Very truly yours,

Lew W. Myers
Vice President - Nuclear

HMC:sc

Attachment

cc: NRC Region III
NRC Project Manager
NRC Resident Inspector

9610210172 960930
PDR ADOCK 05000244
R PDR

Operating Companies
Cleveland Electric Illuminating
Toledo Edison

IE2411

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-440
UNIT Perry One
DATE 10/15/96
CONTACT H. M. Coon
TELEPHONE (216) 280-5434

MONTH September 1996

DAY AVERAGE DAILY POWER LEVEL
 (MW \pm Net)

1 1083

2 1077

3 750

4 955

5 1161

6 1160

7 1164

8 1165

9 1165

10 1167

11 1167

12 1171

13 1177

14 1180

15 1179

16 1178

DAY AVERAGE DAILY POWER LEVEL
 (MW \pm Net)

17 1174

18 1173

19 1178

20 1175

21 1173

22 1172

23 1175

24 1175

25 1175

26 1180

27 1180

28 1179

29 806

30 1139

31 N/A

OPERATING DATA REPORT

UNIT: Perry One

DATE: 10/15/96

1. Docket: 50-440
 2. Reporting Period: September 1996
 3. Utility Contact: H. M. Coon
 4. Licensed Thermal Power (MWt): 3579
 5. Nameplate Rating (Gross MWe): 1250
 6. Design Electrical Rating (Net MWe): 1191
 7. Maximum Dependable Capacity (Gross MWe): 1219
 8. Maximum Dependable Capacity (Net MWe): 1160
 9. If Changes Occur in Capacity Ratings (Item Numbers 4 through 8) Since Last Report, Give Reasons:
See Attached Memo
 10. Power Level to Which Restricted, If any (Net MWe): 100%
 11. Reasons for Restrictions, if Any: Operating License
- | | This Month | Yr-to-Date | Cumulative |
|--|------------------|-------------------|--------------------|
| 12. Hours in Reporting Period | <u>720.0</u> | <u>6,575.0</u> | <u>77,747.0</u> |
| 13. Hours Reactor was Critical | <u>720.0</u> | <u>4,571.9</u> | <u>54,880.3</u> |
| 14. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| 15. Hours Generator On-Line | <u>720.0</u> | <u>4,465.4</u> | <u>52,929.3</u> |
| 16. Unit Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| 17. Gross Thermal Energy (MWtH) | <u>2,498,686</u> | <u>15,098,444</u> | <u>180,175,535</u> |
| 18. Gross Electrical Energy (MWeH) | <u>855,331</u> | <u>5,111,208</u> | <u>61,717,279</u> |
| 19. Net Electrical Energy (MWeH) | <u>814,892</u> | <u>4,864,366</u> | <u>58,661,013</u> |
| 20. Unit Service Factor | <u>100.0%</u> | <u>67.9%</u> | <u>68.1%</u> |
| 21. Unit Availability Factor | <u>100.0%</u> | <u>67.9%</u> | <u>68.1%</u> |
| 22. Unit Capacity Factor (Using MDC Net) | <u>97.1%</u> | <u>63.5%</u> | <u>65.2%</u> |
| 23. Unit Capacity Factor (Using DER Net) | <u>95.0%</u> | <u>62.1%</u> | <u>63.4%</u> |
| 24. Unit Forced Outage Rate | <u>0.0%</u> | <u>6.7%</u> | <u>10.3%</u> |
| 25. Forced Outage Hours | <u>0.0</u> | <u>322.6</u> | <u>6,101.7</u> |
26. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None
 27. If Shutdown at end of Report Period, Estimated Date Of Startup: N/A

OPERATING DATA REPORT
Attachment

UNIT: Perry One
DATE: 10/15/96

The Perry Nuclear Power Plant (PNPP) Unit 1 design heat rate value will be increased from 9778 BTU/KW-HR to 9817 BTU/KW-HR. The increase is a result of accounting for the turbine full arc steam admission mode instead of partial arc steam admission mode.

The ASME turbine acceptance test for PNPP was never performed to determine a Unit 1 base heat rate. Therefore, the GE Thermal Kit guarantee design heat rate was chosen as the Unit 1 base heat rate. The design heat rate is based on a partial arc admission mode. Due to several industry turbine blading failures, PNPP Unit 1 has always operated with a full arc steam admission mode. Full arc admission inherently has more throttle losses than partial arc admission. These losses were never accounted for in the design heat rate value. The design heat rate value has been adjusted to account for these losses.

The increase in the design heat rate value will not decrease plant output, but rather more accurately set the Unit's judgment standard.

UNIT SHUTDOWNS AND POWER REDUCTIONS REPORT MONTH - September 1996

DOCKET NO. 50-440
UNIT One
NAME Perry One
DATE 10/15/96
CONTACT H. M. Coon
TELEPHONE (216) 280-5434

| NO. | DATE | TYPE 1 | DURATION HOURS | REASON 2 | METHOD 3 | LER # | SYSTEM 4 | COMP. 5 | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-------|---------|-----------|-------------------|-------------|-------------|----------|-------------|------------|---|
| 96-06 | 9/1/96 | S | | B | 5 | N/A | | | Planned Downpower for MSIV/TCV testing . |
| 96-07 | 9/2/96 | F | | B | 5 | N/A | | | Forced Downpower Troubleshoot tube leak in the condenser. |
| 96-08 | 9/29/96 | S | | B | 5 | N/A | | | Planned Downpower for Scram time Testing/Control Rod Sequence Exchange. |

SUMMARY: Perry Unit One remained on line the entire month of September.

1. TYPE:

F: Forced
S: Scheduled

2. REASON:

A - Equipment Failure (explain)
B - Maintenance or Test
C - Refueling
D - Regulatory Restriction
E - Operating Training &
License Examination
F - Administrative
G - Operational Error (explain)
H - Other (explain)

3. METHOD:

1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Continued
5 - Reduced Load
9 - Other

4. EXHIBIT G - Instructions

for preparation of data
entry sheets for Licensee
Event Report (LER) file
(NUREG 1022)

5. EXHIBIT 1 - Same Source