TOLEDO EDISON
A Centerior Energy Company

EDISON PLAZA
300 MADISON AVENUE
TOLEDO, OHIO 43652-0001

December 14, 1994
KB-94-2025

Docket No. 50-346
License No. NPF-3

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

Gentlemen:

Monthly Operating Report, November, 1994
Davis-Besse Nuclear Power Station Unit 1

Enclosed are ten copies of the Monthly Operating Report for Davis-Besse Nuclear Power Station Unit No. 1 for the month of November, 1994.

If you have any questions, please contact G. M. Wolf at (419) 321-8114.

Very truly yours,

JK Wood HWR

John K. Wood
Plant Manager
Davis-Besse Nuclear Power Station

GMW/dmc

Enclosures

cc: L. L. Gundrum
NRC Senior Project Manager

J. B. Martin
Region III Administrator

S. Stasek
NRC Senior Resident Inspector, Stop 4030

150081



IE24

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-0346

UNIT Davis-Besse Unit 1

DATE 12-01-94

COMPLETED BY Gerry Wolf

TELEPHONE 419-321-8114

MONTH NOVEMBER 1994

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|---|---|---|---|
| 1 | 0 | 17 | 650 |
| 2 | 0 | 18 | 856 |
| 3 | 0 | 19 | 874 |
| 4 | 0 | 20 | 873 |
| 5 | 0 | 21 | 873 |
| 6 | 0 | 22 | 883 |
| 7 | 0 | 23 | 884 |
| 8 | 0 | 24 | 885 |
| 9 | 0 | 25 | 884 |
| 10 | 0 | 26 | 884 |
| 11 | 0 | 27 | 883 |
| 12 | 0 | 28 | 883 |
| 13 | 0 | 29 | 830 |
| 14 | 0 | 30 | 822 |
| 15 | 92 | | |
| 16 | 420 | | |

# OPERATING DATA REPORT

DOCKET NO 50-0346
DATE 12-02-94
COMPLETED BY Gerry Wolf
TELEPHONE 419-321-8114

## OPERATING STATUS

1. Unit Name: Davis-Besse Unit 1
2. Reporting Period NOVEMBER 1994
3. Licensed Thermal Power (MWt) 2772
4. Nameplate Rating (Gross MWe) 925
5. Design Electrical Rating (Net MWe) 906
6. Maximum Dependable Capacity (Gross MWe) 913
7. Maximum Dependable Capacity (Net MWe) 868
8. If Changes Occur in Capacity Ratings (Items number 3 through 7) since last report, give reasons: _____

Notes

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any (Net MWe): _____

| | This Month | Yr-to-Date | Cumulative |
|---|---|---|---|
| 11. Hours In Reporting Period | 720.00 | 8,016.00 | 143,209.00 |
| 12. Number Of Hours Reactor Was Critical | 407.47 | 6,961.32 | 89,201.77 |
| 13. Reactor Reserve Shutdown Hours | 0.00 | 0.00 | 5,532.00 |
| 14. Hours Generator On-Line | 371.17 | 6,923.17 | 86,946.90 |
| 15. Unit Reserve Shutdown Hours | 0.00 | 0.00 | 1,732.50 |
| 16. Gross Thermal Energy Generated (MWH) | 948,689 | 18,374,368 | 224,146,137 |
| 17. Gross Electrical Energy Generated (MWH) | 319,807 | 6,079,769 | 72,419,790 |
| 18. Net Electrical Energy Generated (MWH) | 297,217 | 5,766,658 | 68,293,027 |
| 19. Unit Service Factor | 51.55 | 86.37 | 60.71 |
| 20. Unit Availability Factor | 51.55 | 86.37 | 61.92 |
| 21. Unit Capacity Factor (Using MDC Net) | 47.56 | 82.88 | 54.94 |
| 22. Unit Capacity Factor (Using DER Net) | 45.56 | 79.40 | 52.64 |
| 23. Unit Forced Outage Rate | 0.00 | 0.00 | 19.97 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): _____

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

| | Forecast | Achieved |
|---|---|---|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | | |
| COMMERCIAL OPERATION | | |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-346
UNIT NAME: Davis-Besse #1
DATE: December 1, 1994
Completed by: G. M. Wolf
Telephone: (419) 321-8114

Report Month November 1994

| No. | Date | Type[1] | Duration (Hours) | Reason[2] | Method of Shutting Down Reactor[3] | Licensee Event Report # | System Code[4] | Component Code[5] | Cause & Corrective Action to Prevent Recurrence |
|---|---|---|---|---|---|---|---|---|---|
| 9 (cont.) | 94-10-01 | S | 360.7 | C | 1 | N/A | N/A | N/A | Turbine-Generator taken off-line to perform scheduled maintenance and refueling outage. |
| 10 | 94-11-15 | S | 0.68 | B | 9 | N/A | N/A | N/A | Turbine-Generator taken off-line to perform overspeed trip testing. Reactor power level maintained at 20%. |
| 11 | 94-11-29 | F | N/A | B | 5 | N/A | N/A | N/A | Power reduced to 69 percent to perform repairs on the Main Turbine Load Reference Motor. |

[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-Continuation from Previous Month
5-Load Reduction
9-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
*Report challanges to Power Operated Relief Valves (PORVs and Pressurizer Code Safety Valves (PCSVs)

# OPERATIONAL SUMMARY

The Reactor achieved criticality at 0032 hours on November 14, 1994. Reactor power was then slowly increased to approximately 20 percent full power. This power level was maintained while the Main Turbine was synchronized to the grid at 1209 hours on November 15, 1994. At 1640 hours on November 15 the Main Turbine was taken off-line to perform overspeed trip testing. Upon completion of the overspeed trip testing, the Main Turbine was re-synchronized to the grid at 1721 hours on November 15. This marked the completion of the Ninth Refueling Outage which began October 1, 1994.

Reactor power was slowly increased to approximately 52 percent full power at 1104 hours on November 16, 1994. Reactor power was held at 52 percent for reactor physics testing. When reactor physics testing was complete at 2030 hours on November 16, Reactor power was slowly increased to approximately 73 percent at 0611 hours on November 17, 1994. Reactor power was held at 73 percent for Reactor Protection System (RPS) testing. RPS Testing was complete at 1757 hours on November 17.

Reactor power was slowly increased to approximately 98 percent full power at 0515 hours on November 18, 1994. Reactor power level was held at 98 percent for recalibration of the Nuclear Instrumentation. When this recalibration was complete at 0955 hours on November 18, Reactor power was slowly increased to approximately 100 percent power, which was attained at 1047 hours on November 18.

Reactor power was decreased from 100 percent to approximately 97 percent full power at 1315 hours on November 29, 1994, in response to high vibration on Main Feed Pump Turbine (MFPT) 1. At 1825 hours on November 29, Reactor power was slowly decreased from 97 percent to approximately 68 percent full power to make repairs to the Load Reference Motor. The problems with the Load Reference Motor were found during the power decrease for the MFPT high vibration, and power was reduced as a conservative measure to reduce challenges to equipment should a plant trip occur during repairs. When repairs were complete at 2325 hours, power was slowly increased to approximately 97 percent full power, which was achieved at 0515 hours on November 30, 1994. At 1943 hours on November 30, Reactor power was again reduced from 97 percent to approximately 88 percent full power in response to high vibration on MFPT 1. The cause of the vibration was still under investigation at the end of the month. Reactor power remained at 88 percent full power for the rest of the month.