



A Centerior Energy Company

EDISON PLAZA
300 MADISON AVENUE
TOLEDO, OHIO 43652-0001

September 14, 1994
KB-94-1565

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

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

Gentlemen:

Monthly Operating Report, August 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 August 1994. The July Operating Data Report is included due to a correction in the Unit Forced Outage Rate.

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

Very truly yours,

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

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PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-0346

UNIT Davis-Besse Unit 1

DATE 09-01-94

COMPLETED BY GERRY M. WOLF

TELEPHONE 419-321-8114

MONTH AUGUST 1994

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	865
2	865
3	857
4	855
5	864
6	867
7	865
8	862
9	866
10	869
11	869
12	864
13	861
14	861
15	871
16	868

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	848
18	841
19	837
20	816
21	799
22	800
23	802
24	795
25	781
26	781
27	767
28	760
29	746
30	738
31	737

OPERATING DATA REPORT

DOCKET NO 50-0346
DATE 09-02-94
COMPLETED BY Gerry Wolf
TELEPHONE 419-321-8114

OPERATING STATUS

1. Unit Name: Davis-Besse Unit 1
2. Reporting Period AUGUST, 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	744.00	5,831.00	141,024.00
12. Number Of Hours Reactor Was Critical	744.00	5,831.00	88,071.45
13. Reactor Reserve Shutdown Hours	0.00	0.00	5,532.00
14. Hours Generator On-Line	744.00	5,831.00	85,854.73
15. Unit Reserve Shutdown Hours	0.00	0.00	1,732.50
16. Gross Thermal Energy Generated (MWH)	1,972,555	16,020,608	221,792,377
17. Gross Electrical Energy Generated (MWH)	649,291	5,297,379	71,637,400
18. Net Electrical Energy Generated (MWH)	616,243	5,035,874	67,562,244
19. Unit Service Factor	100.00	100.00	60.88
20. Unit Availability Factor	100.00	100.00	62.11
21. Unit Capacity Factor (Using MDC Net)	95.42	99.50	55.19
22. Unit Capacity Factor (Using DER Net)	91.42	95.32	52.88
23. Unit Forced Outage Rate	0.00	0.00	20.17

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Scheduled maintenance and refueling outage - October 1, 1994.
Planned duration - 46 days.

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

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast

Achieved

OPERATING DATA REPORT

DOCKET NO 50-0346
 DATE 8-2-94
 COMPLETED BY GERRY WOLF
 TELEPHONE 419-321-8114

OPERATING STATUS

1. Unit Name: Davis-Besse Unit 1
2. Reporting Period JULY, 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	744.00	5,087.00	140,280.00
12. Number Of Hours Reactor Was Critical	744.00	5,087.00	87,327.45
13. Reactor Reserve Shutdown Hours	0.00	0.00	5,532.00
14. Hours Generator On-Line	744.00	5,087.00	85,110.73
15. Unit Reserve Shutdown Hours	0.00	0.00	1,732.50
16. Gross Thermal Energy Generated (MWH)	2,035,092	14,048,052	219,819,821
17. Gross Electrical Energy Generated (MWH)	667,491	4,648,088	70,988,109
18. Net Electrical Energy Generated (MWH)	634,201	4,419,631	66,946,001
19. Unit Service Factor	100.00	100.00	60.67
20. Unit Availability Factor	100.00	100.00	61.91
21. Unit Capacity Factor (Using MDC Net)	98.21	100.09	54.98
22. Unit Capacity Factor (Using DER Net)	94.09	95.90	52.67
23. Unit Forced Outage Rate	0.00	0.00	20.32

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 Scheduled maintenance and refueling outage - October 1, 1994.
 Planned duration - 49 days.

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

Report Month August 1994

DOCKET NO.: 50-346
 UNIT NAME: Davis-Besse #1
 DATE: September 7, 1994
 Completed by: G. M. Wolf
 Telephone: (419)321-8114

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
									No Significant Shutdowns or Power Reductions

¹F: Forced
 S: Scheduled

²Reason:
 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)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation from
 Previous Month
 5-Load Reduction
 9-Other (Explain)

⁴Exhibit G - Instructions for Preparation of Data
 Entry Sheets for Licensee Event Report (LER)
 File (NUREG-0161)

⁵Exhibit I - Same Source
 *Report challenges to Power Operated Relief Valves
 (PORVs) and Pressurizer Code Safety Valves (PCSVs)

OPERATIONAL SUMMARY

Reactor power was maintained at approximately 100 percent full power until 0100 hours on August 14, 1994, when a manual power reduction was initiated to perform control rod drive exercising, control valve testing, and combined intermediate valve testing. Power was reduced to approximately 92 percent, at which point the testing was performed. After testing completion, at 0243 hours, reactor power was gradually increased to approximately 100 percent full power, which was achieved at 0425 hours.

Reactor power was maintained at this level until August 17, 1994, when at 0805 hours, a manual power reduction was initiated to perform control rod drive testing. Power was reduced to approximately 99 percent full power, at which point the testing was performed. After testing completion, at 1044 hours, reactor power was manually reduced to approximately 97 percent full power to start the operating cycle nine coastdown. A coastdown is performed to ensure maximum efficiency and fuel depletion before shutdown for scheduled maintenance and refueling activities. Power continued to be manually reduced at the approximate rate of three percent every three days for the rest of the month in accordance with the coastdown schedule:

<u>Date</u>	<u>Time</u>	<u>Power History</u>
8/20/94	0330	Commenced load reduction from 97 percent full power
8/20/94	0414	Completed power reduction to approximately 94 percent full power
8/20/94	2159	Commenced load reduction from 94 percent full power
8/20/94	2216	Completed power reduction to approximately 92 percent full power
8/24/94	2340	Commenced load reduction from 92 percent full power
8/25/94	0018	Completed power reduction to approximately 90 percent full power
8/27/94	0437	Commenced load reduction from 90 percent full power
8/27/94	0523	Completed power reduction to approximately 88 percent full power
8/29/94	0551	Commenced load reduction from 88 percent full power
8/29/94	0628	Completed power reduction to approximately 85 percent full power