



A Centenor Energy Company

EDISON PLAZA
300 MADISON AVENUE
TOLEDO, OHIO 43652-0001

January 16, 1995
KB-94-0016

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

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

Gentlemen:

Monthly Operating Report December, 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 December, 1994.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read 'John K. Wood'.

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

GMW/dmc

Enclosures

cc: L. L. Gundrum
NRC Project Manager

J. B. Martin
Region III Administrator

S. Stasek
NRC Senior Resident Inspector, Stop 4030

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PDR ADOCK 05000346
R PDR

JE24

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-0346

UNIT Davis-Besse Unit 1

DATE 1-6-94

COMPLETED BY GERRY WOLF

TELEPHONE 419-521-9114

MONTH DECEMBER 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	742	17	883
2	521	18	884
3	518	19	885
4	520	20	884
5	689	21	883
6	881	22	884
7	881	23	885
8	884	24	884
9	885	25	851
10	885	26	860
11	885	27	885
12	885	28	882
13	883	29	884
14	880	30	884
15	886	31	884
16	883		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-0346

UNIT Davis - Besse Unit 1

DATE 1-06-94

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	819
15	92		
16	420		

* Net Generation corrected

OPERATING DATA REPORT

DOCKET NO 50-0346
 DATE 1-3-94
 COMPLETED BY Gerry Wolf
 TELEPHONE 419-321-8114

OPERATING STATUS

- 1. Unit Name: Davis-Besse Unit 1
- 2. Reporting Period December 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	8,760.00	143,953.00
12. Number Of Hours Reactor Was Critical	744.00	7,705.32	89,945.77
13. Reactor Reserve Shutdown Hours	0.00	0.00	5,532.00
14. Hours Generator On-Line	744.00	7,667.17	87,690.90
15. Unit Reserve Shutdown Hours	0.00	0.00	1,732.50
16. Gross Thermal Energy Generated (MWH)	1,949,936	20,324,304	226,096,073
17. Gross Electrical Energy Generated (MWH)	655,200	6,731,467	73,071,488
18. Net Electrical Energy Generated (MWH)	621,836	6,384,999	68,911,368
19. Unit Service Factor	100.00	87.52	60.92
20. Unit Availability Factor	100.00	87.52	62.12
21. Unit Capacity Factor (Using MDC Net)	96.29	83.97	55.15
22. Unit Capacity Factor (Using DER Net)	92.25	80.45	52.84
23. Unit Forced Outage Rate	0.00	0.00	19.84
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	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-0346
 DATE 1-6-94
 COMPLETED BY Garry 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
 * Gross Electrical Energy Generated value corrected. Cumulative and Year-to-Date values corrected accordingly.

- 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) *	316,313	6,076,268	72,416,289
18. Net Electrical Energy Generated (MWH) *	293,722	5,763,163	68,289,533
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)	47.00	82.83	54.94
22. Unit Capacity Factor (Using DER Net)	45.03	79.36	52.63
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	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-0346
 DATE 1-6-94
 COMPLETED BY Gerry Wolf
 TELEPHONE 419-321-8114

OPERATING STATUS

1. Unit Name: Davis-Besse Unit 1
 2. Reporting Period October 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
 * Gross Electrical Energy
 Generated value corrected.
 Cumulative and Year-to-Date
 values corrected accordingly.

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	745.00	7,296.00	142,489.00
12. Number Of Hours Reactor Was Critical	2.85	6,553.85	88,794.30
13. Reactor Reserve Shutdown Hours	0.00	0.00	5,532.00
14. Hours Generator On-Line	1.00	6,552.00	86,575.73
15. Unit Reserve Shutdown Hours	0.00	0.00	1,732.50
16. Gross Thermal Energy Generated (MWH)	665	17,425,679	223,197,448
17. Gross Electrical Energy Generated (MWH) *	132	5,759,955	72,099,976
18. Net Electrical Energy Generated (MWH)	0	5,469,441	67,995,810
19. Unit Service Factor	0.13	89.80	60.76
20. Unit Availability Factor	0.13	89.80	61.98
21. Unit Capacity Factor (Using MDC Net)	0.00	86.37	54.98
22. Unit Capacity Factor (Using DER Net)	0.00	82.74	52.67
23. Unit Forced Outage Rate	0.00	0.00	20.04
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: November 15, 1994
 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: January 3, 1995
 Completed by: G. M. Wolf
 Telephone: (419) 321-8114

Report Month December 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
12	94-12-01	F	N/A	B	5	N/A	N/A	N/A	Power reduced to 60 percent to correct the high vibration on Main Feed Pump Turbine 1.

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 challenges to Power Operated Relief Valves (PORVs and Pressurizer Code Safety Valves (PCSVs)

OPERATIONAL SUMMARY

On December 1, 1994 at 0445 hours, Reactor power was reduced from approximately 88 percent full power to 85 percent full power in response to high vibration on Main Feed Pump Turbine (MFPT) 1. At 2130 hours a manual power reduction was initiated from 85 percent full power to determine the cause of the high vibration. Sixty percent full power was reached at 0012 hours on December 2, and MFPT 1 was shutdown to perform a hot alignment check of the unit, realign the Main Feed Pump to the MFPT, and disassemble and inspect the MFPT 1 low pressure end bearing. When repairs were complete on December 5, 1994 at 0858 hours, a manual power increase was initiated from 60 percent full power. At 1725 hours and approximately 94 percent full power the power increase was briefly halted to perform Main Turbine control valve testing and vibration monitoring of MFPT 1 unit. When testing was complete at 2117 hours, power was slowly increased from 94 to approximately 100 percent full power, which was attained at 2243 hours on December 5, 1994.

Reactor power was maintained at this level until December 14, 1994, when at 0900 hours, Feedwater Heater 2-5 tripped on high level while troubleshooting the normal level controller. Reactor power was manually reduced to approximately 97 percent to maintain proper deaerator levels. The heater was restored to normal operation at 1052 hours, and Reactor power was slowly increased to approximately 100 percent full power, which was attained at 1511 hours.

Reactor power was maintained at this level until December 25, 1994, when at 1348 hours, a manual power reduction was initiated per the Load Dispatcher's Request. Power was reduced to approximately 90 percent full power, which was attained at 1448 hours. On December 26, 1994, at 0700 hours, Reactor power was manually increased from 90 percent to approximately 100 percent full power, which was attained at 0820 hours. Reactor power remained at 100 percent full power for the rest of the month.