TOLEDO EDISON
A Centerior Energy Company

EDISON PLAZA
300 MADISON AVENUE
TOLEDO, OHIO 43652-0001

December 10, 1991
KB91-1973

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

Document Control Desk
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, MD 20814

Gentlemen:

Monthly Operating Report, November, 1991
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, 1991.

If you have any questions, please contact Bilal Sarsour at (419) 321-7384.

Very truly yours,

Louis F. Storz
Plant Manager
Davis-Besse Nuclear Power Station

BMS/tld

Enclosures

cc: Mr. A. Bert Davis
Regional Administrator, Region III

Mr. J. B. Hopkins
NRC Senior Project Manager

Mr. William Lavis
NRC Resident Inspector

IE24
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-346
UNIT Davis-Besse #1
DATE December 10, 1991
COMPLETED BY Bilal Sarsour
TELEPHONE (419)321-7384

MONTH November, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	882
2	0	18	880
3	0	19	875
4	0	20	879
5	0	21	885
6	0	22	868
7	42	23	87
8	369	24	801
9	666	25	874
10	671	26	876
11	732	27	875
12	821	28	876
13	863	29	872
14	880	30	874
15	879	31	
16	881		

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.

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-346
DATE December 10, 1991
COMPLETED BY Bilal Sarsour
TELEPHONE (419)321-7384

OPERATING STATUS

1. Unit Name: Davis-Besse Unit #1
2. Reporting Period: November, 1991
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): 918
7. Maximum Dependable Capacity (Net MWe): 874
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:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	8,016.0	116,905
12. Number Of Hours Reactor Was Critical	615.2	6,424.1	65,545.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,393.7
14. Hours Generator On-Line	541.9	6,350.1	63,419.4
15. Unit Reserve Shutdown Hours	0.0	0.0	1,732.5
16. Gross Thermal Energy Generated (MWH)	1,387,774	16,800,978	154,927,465
17. Gross Electrical Energy Generated (MWH)	459,677	5,601,102	51,331,119
18. Net Electrical Energy Generated (MWH)	428,974	5,313,797	48,262,425
19. Unit Service Factor	75.3	79.2	54.2
20. Unit Availability Factor	75.3	79.2	55.7
21. Unit Capacity Factor (Using MDC Net)	68.2	75.8	47.2
22. Unit Capacity Factor (Using DER Net)	65.8	73.2	45.6
23. Unit Forced Outage Rate	2.8	0.20	25.3

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 10, 1991
COMPLETED BY Bilal Sarsour
TELEPHONE (419) 321-7384

REPORT MONTH November, 1991

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 Actions to Prevent Recurrence
3 (contd)	91-08-31	S	162.6	C	4	NA	NA	NA	The outage was extended longer than anticipated to complete planned and scheduled work.
4	91-11-23	F	15.5	A	5	NA	NA	NA	The turbine was taken off-line due to an electrical fault that occurred on the 345kv ring bus at B phase of DCS 34561C. See Operational Summary for further details.

[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
November, 1991

Zero power physics testing began at 0946 hours on November 4, 1991, and the reactor was deborated to criticality at 0850 hours on November 5, 1991. Zero power physics testing was completed at 0345 hours on November 7, 1991.

The Turbine-Generator was synchronized on-line at 1838 hours on November 7, 1991, marking the completion of the unit outage which began on August 31, 1991.

Reactor power was slowly increased to approximately 75 percent of full power, which was attained at 0418 hours on November 9, 1991. The reactor power level was maintained at this power level until the completion of physics testing which occurred on November 11, 1991.

Reactor power escalation continued. Reactor power was increased to approximately 90 percent of full power, which was achieved at 1438 hours on November 11, 1991, and maintained at this power level for conditioning of the fuel.

At 0500 hours on November 12, 1991, a manual power reduction to approximately 87 percent of full power was initiated to perform turbine bypass valve acceptance testing.

After the completion of turbine bypass valve testing, reactor power was slowly increased to approximately 97 percent of full power, which was attained at 1420 hours on November 12, 1991. Physics testing at this power level was completed November 13, 1991.

Reactor power was slowly increased to approximately 100 percent full power, which was achieved at 2040 hours on November 13, 1991.

Reactor power was maintained at approximately 100 percent full power until 1925 hours on November 22, 1991, when a manual power reduction to approximately 20 percent was initiated to take the turbine off-line due to an electrical fault that occurred on the 345kv ring bus at B Phase of DCS 34561C in the switchyard. A manual turbine trip was initiated at 0852 hours on November 23, 1991.

The Turbine-Generator was synchronized on-line at 0022 hours on November 24, 1991.

Reactor power was slowly increased to approximately 100 percent full power, which was achieved at 0500 hours on November 24, 1991, and maintained at this power level for the rest of the month.

REFUELING INFORMATION

Date: November 1991

1. Name of facility: Davis-Besse Unit 1

2. Scheduled date for next refueling outage? March 1993

3. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool, and (c) the new fuel storage areas.

   (a) 177 (b) 393 (c) 0

4. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

   Present: 735 Increased size by: approximately 900 by 1994 is under review

5. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

   Date: 1996 - assuming ability to unload the entire core into the spent fuel pool is maintained