

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-346

UNIT Davis-Besse Unit 1

DATE \_\_\_\_\_

COMPLETED BY Bilal Sarsour

TELEPHONE 419-259-5000, Ext. 384

MONTH November, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>788</u>
2	<u>829</u>
3	<u>842</u>
4	<u>875</u>
5	<u>877</u>
6	<u>867</u>
7	<u>854</u>
8	<u>856</u>
9	<u>412</u>
10	<u>0</u>
11	<u>0</u>
12	<u>135</u>
13	<u>704</u>
14	<u>328</u>
15	<u>137</u>
16	<u>379</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>617</u>
18	<u>864</u>
19	<u>864</u>
20	<u>866</u>
21	<u>863</u>
22	<u>872</u>
23	<u>876</u>
24	<u>880</u>
25	<u>881</u>
26	<u>879</u>
27	<u>879</u>
28	<u>876</u>
29	<u>850</u>
30	<u>852</u>
31	<u>          </u>

## 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.

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PDR ADOCK 05000346  
R PDR

(9/77)

IF 24  
11

# OPERATING DATA REPORT

DOCKET NO. 50-346  
 DATE                       
 COMPLETED BY Bilal Sarsour  
 TELEPHONE 419-259-5000,  
 Ext. 384

## OPERATING STATUS

1. Unit Name: Davis-Besse Unit 1
2. Reporting Period: November, 1983
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	8,015	46,776
12. Number Of Hours Reactor Was Critical	635.8	6,013.5	26,909
13. Reactor Reserve Shutdown Hours	0.0	515.2	3,879.3
14. Hours Generator On-Line	624.0	5,809.3	25,568.9
15. Unit Reserve Shutdown Hours	0.0	0.0	1,732.5
16. Gross Thermal Energy Generated (MWH)	1,598,668	14,124,277	59,497,038
17. Gross Electrical Energy Generated (MWH)	528,533	4,673,757	19,779,775
18. Net Electrical Energy Generated (MWH)	496,997	4,400,338	18,515,778
19. Unit Service Factor	86.7	72.5	54.7
20. Unit Availability Factor	86.7	72.5	58.4
21. Unit Capacity Factor (Using MDC Net)	79.0	62.8	45.3
22. Unit Capacity Factor (Using DER Net)	76.2	60.6	43.7
23. Unit Forced Outage Rate	13.3	10.4	18.5

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):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1983DOCKET NO. 50-346  
UNIT NAME Davis-Besse Unit 1DATE  
COMPLETED BY Bilal Sarsour  
TELEPHONE 419-259-5000, Ext. 384

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
14	83 11 09	F	71.0	A	3	NP 33-83-91	RB	CRDRVE	The reactor tripped on Reactor Protection System (RPS) flux/delta flux/flow due to imbalance caused by a failure in Group 3 control rod drive logic.
15	83 11 14	F	25.0	A	3	NP 33-83-91	RB	CRDRVE	The reactor tripped on Reactor Protection System flux/delta flux/flow due to imbalance caused by a failure in Group 2 control rod drive logic.

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
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)

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

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

<sup>5</sup>  
Exhibit I - Same Source

OPERATIONAL SUMMARY  
NOVEMBER, 1983

11/1/83 - 11/12/83:

Reactor power was maintained at approximately 90% power until 1300 hours on November 1, 1983, when power was slowly increased and attained approximately 98% power at 1900 hours on November 2, 1983.

Reactor power was maintained at approximately 98% power until 1224 hours on November 3, 1983, when power was reduced to approximately 95% power due to a Safety Features Actuation System (SFAS) Channel 1 containment high radiation trip.

Reactor power was slowly increased and attained 99% power on November 4, 1983. Reactor power was maintained at approximately 99% power until 1300 hours on November 6, 1983, when power was reduced to approximately 97% power to perform power doppler coefficient physics testing. Physics testing was completed on November 9, 1983.

Reactor power was maintained at approximately 97% power until 1317 hours on November 9, 1983, when a reactor trip occurred. The Reactor Protection System (RPS) tripped the reactor on flux/delta flux/flow due to negative imbalance caused by a failure in Group 3 control rod drive logic (command module).

The reactor was critical at 0617 hours on November 12, 1983. The turbine generator was synchronized on line at 1217 hours on November 12, 1983.

11/13/15 - 11/15/83:

Reactor power was slowly increased and attained approximately 98% power on November 14, 1983. Reactor power was maintained at approximately 98% power until 0954 hours on November 14, 1983, when the RPS tripped the reactor on flux/delta flux/flow. The trip was due to imbalance caused by a failure in Group 2 control rod drive logic (command module).

The reactor was critical at 0508 hours on November 15, 1983, and the turbine generator was synchronized on line at 1046 hours on November 15, 1983.

11/16/83 - 11/30/83:

Reactor power was slowly increased and attained approximately 100% power on November 25, 1983.

Reactor power was maintained at approximately 100% power until 2205 hours on November 29, 1983, when a plant runback to approximately 60% power was initiated due to dropped Control Rod (Group 7 Rod 12).

Reactor power was slowly increased and attained approximately 100% at 0400 hours on November 30, 1983, and maintained at this power level for the rest of the month.

REFUELING INFORMATION

DATE: November, 1983

1. Name of facility: Davis-Besse Unit 1
2. Scheduled date for next refueling shutdown: August 3, 1984
3. Scheduled date for restart following refueling: October 14, 1984
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? If answer is yes, what in general will these be? If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

Ans: Expect the Reload Report to require standard reload fuel design Technical Specification changes (3/4.1 Reactivity Control Systems and 3/4.2 Power Distribution Limits).

5. Scheduled date(s) for submitting proposed licensing action and supporting information: July, 1984
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

Ans: None identified to date.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.  
  
(a) 177                                      (b) 140 - Spent Fuel Assemblies
8. 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                                      Increase size by: 0 (zero)

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

Date: 1993 - assuming ability to unload the entire core into the spent fuel pool is maintained.





December 9, 1983

Log No. K83-1671  
File: RR 2 (P-6-83-11)

Docket No. 5J-346  
License No. NPF-3

Mr. Norman Haller, Director  
Office of Management and Program Analysis  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Haller:

Monthly Operating Report, November 1983  
Davis-Besse Nuclear Power Station Unit 1

Enclosed are ten copies of the Monthly Operating Report for Davis-Besse Nuclear Power Station Unit 1 for the month of November, 1983.

If you have any questions, please feel free to contact Bilal Sarsour at (419) 259-5000, Extension 384.

Yours truly,

Terry D. Murray  
Station Superintendent  
Davis-Besse Nuclear Power Station

TDM/BMS/ljk

Enclosures

cc: Mr. James G. Keppler, w/1  
Regional Administrator, Region III

Mr. Richard DeYoung, Director, w/2  
Office of Inspection and Enforcement

Mr. Walt Rogers, w/1  
NRC Resident Inspector

TE24  
1/1