

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-346  
UNIT Davis-Besse Unit 1  
DATE April 9, 1984  
COMPLETED BY Bilal Sarsour  
TELEPHONE (419) 259-5000  
Ext. 384

MONTH March, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>868</u>
2	<u>430</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>82</u>
9	<u>720</u>
10	<u>809</u>
11	<u>812</u>
12	<u>812</u>
13	<u>812</u>
14	<u>812</u>
15	<u>813</u>
16	<u>810</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>812</u>
18	<u>810</u>
19	<u>809</u>
20	<u>810</u>
21	<u>812</u>
22	<u>812</u>
23	<u>812</u>
24	<u>814</u>
25	<u>812</u>
26	<u>814</u>
27	<u>813</u>
28	<u>812</u>
29	<u>812</u>
30	<u>814</u>
31	<u>814</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.

(9/77)

8405020258 840331  
PDR ADDCK 05000346  
R PDR

IE24

# OPERATING DATA REPORT

DOCKET NO. 50-346  
 DATE April 9, 1984  
 COMPLETED BY Bilal Sarsour  
 TELEPHONE (419) 259-5000,  
 Ext. 384

## OPERATING STATUS

1. Unit Name: Davis-Besse Unit 1
2. Reporting Period: March, 1984
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	744	2,184	49,705
12. Number Of Hours Reactor Was Critical	609.2	1,666.3	29,168.8
13. Reactor Reserve Shutdown Hours	134.8	134.8	4,014.1
14. Hours Generator On-Line	596.8	1,633.2	27,785.0
15. Unit Reserve Shutdown Hours	0.0	0.0	1,732.5
16. Gross Thermal Energy Generated (MWH)	1,537,462	4,233,842	65,277,656
17. Gross Electrical Energy Generated (MWH)	506,233	1,397,283	21,689,476
18. Net Electrical Energy Generated (MWH)	475,956	1,310,565	20,309,264
19. Unit Service Factor	80.2	74.8	55.9
20. Unit Availability Factor	80.2	74.8	59.4
21. Unit Capacity Factor (Using MDC Net)	73.2	68.7	46.8
22. Unit Capacity Factor (Using DER Net)	70.6	66.2	45.1
23. Unit Forced Outage Rate	19.8	25.2	19.0
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 March, 1984DOCKET NO. 50-346UNIT NAME Davis-Besse Unit 1DATE April 9, 1984COMPLETED BY Bilal SarsourTELEPHONE (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
2	84 03 02	F	147.2	A	3	NP-33-84-03	IA	INSTRU	The Reactor Protection System tripped the reactor on high flux due to a defective optical isolator in the relay driver card for Steam and Feedwater Rupture Control System Channel 4 control relay. (See Operational Summary for further details.)

<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  
March, 1984

3/1/84 - 3/31/84:

Reactor power was maintained at approximately 99% power until 1221 hours on March 2, 1984 when the Reactor Protection System tripped the reactor on high flux. The trip was due to a defective optical isolator in the relay driver card for Steam and Feedwater Rupture Control System Channel 4 control relay which caused a pre-existent half trip on the Loop #2 Main Steam Isolation Valve (MS-100). This pre-existent half trip combined with a half trip of Channel 2 created during surveillance testing caused the main steam isolation valve to close on Steam Generator #2 which resulted in a reactor trip on high flux.

A unit cooldown was initiated due to main steam safety valve being stuck open on the #2 steam line after the reactor tripped.

The reactor was critical at 0312 hours on March 8, 1984. The turbine generator was synchronized on line at 1530 hours on March 8, 1984.

3/9/84 - 3/31/84:

Reactor power was slowly increased and attained approximately 94% power on March 10, 1984 and maintained at this power level (reactor power was limited at 94% due to an inoperable main steam safety valve) for the rest of the month.

REFUELING INFORMATION

DATE: March, 1984

1. Name of facility: Davis-Besse Unit 1
2. Scheduled date for next refueling shutdown: September 1, 1984
3. Scheduled date for restart following refueling: November 9, 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.



*April*  
March 9, 1984

Log No. K84-401  
File: RR 2 (P-6-84-03)

Docket No. 50-346  
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, March, 1984  
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 March, 1984.

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

Yours truly,

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

TDM/BMS/pm

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

bcc: C. Evans - PUCO  
J. R. Dyer  
R. G. Schuerger  
D. A. Huffman  
J. G. Evans  
R. K. Flood  
H. W. Kohn  
CNRB Members  
INPO Records Center  
M. Frazer  
Technical Section

*IE24*  
*11*