

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE April 6, 1984

COMPLETED BY L.A. Kuczynski

TELEPHONE (717) 542-3759

MONTH March, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>565</u>
2	<u>670</u>
3	<u>12</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>109</u>
24	<u>539</u>
25	<u>616</u>
26	<u>727</u>
27	<u>910</u>
28	<u>1044</u>
29	<u>1058</u>
30	<u>1058</u>
31	<u>1056</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)

8405020212 840331  
PDR ADOCK 05000387  
R PDR



# OPERATING DATA REPORT

DOCKET NO. 50-387  
 DATE April 6, 1984  
 COMPLETED BY L.A. Kuczynski  
 TELEPHONE (717) 542-3759

## OPERATING STATUS

Unit 1

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1984
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1068
7. Maximum Dependable Capacity (Net MWe): 1032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

None

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>2,184</u>	<u>7,153</u>
12. Number Of Hours Reactor Was Critical	<u>274.1</u>	<u>434</u>	<u>4,279.3</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>156.7</u>
14. Hours Generator On-Line	<u>258.6</u>	<u>356.8</u>	<u>4,125.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>641,658</u>	<u>804,859</u>	<u>12,056,677</u>
17. Gross Electrical Energy Generated (MWH)	<u>209,280</u>	<u>252,750</u>	<u>3,919,300</u>
18. Net Electrical Energy Generated (MWH)	<u>200,740</u>	<u>240,920</u>	<u>3,777,293</u>
19. Unit Service Factor	<u>34.8</u>	<u>16.3</u>	<u>57.7</u>
20. Unit Availability Factor	<u>34.8</u>	<u>16.3</u>	<u>57.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>26.1</u>	<u>10.7</u>	<u>51.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>25.3</u>	<u>10.4</u>	<u>49.6</u>
23. Unit Forced Outage Rate	<u>65.2</u>	<u>61.1</u>	<u>20.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
	<u>None</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1984

DOCKET NO. 50-387  
 UNIT NAME One  
 DATE April 6, 1984  
 COMPLETED BY L.A. Kuczynski  
 TELEPHONE (717) 542-3759

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	840303	F	485.4	A	3	84-013	HA	CKTBRK	Automatic scram from 74% power due to a turbine trip on Turbine Control Valve Fast Closure believed caused by a failure within the blocking relay in the Thrust Bearing Wear Detector circuitry. The relay was replaced, successfully retested and the system returned to service. Plant Startup was delayed due to replacement of the recirc. pump discharge valve stem.

<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-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

UNIT ONE

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 4/6/84

Completed by L.A. Kuczynski Telephone (717) 542-3759

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

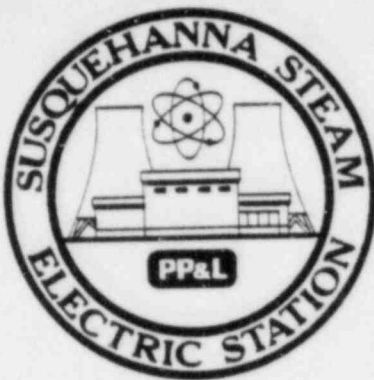
Major Changes to Radioactive Waste Treatment Systems

None.

Diesel Generator Unit Failures

Vibration Switch "C" Diesel Generator Found to be Defective.

At 850 hours on 3/9/84 during the performance of Diesel Generator Surveillance SO-024-001, "Diesel Generator Monthly Operability", Diesel Generator "C" tripped 38 minutes after being loaded to the 4KV Bus 1A203 while it was energized by the off-site power source. The trip was caused by the malfunction of an engine vibration switch whose adjusting spring tension decreased due to fatigue. The vibration switch was replaced and after adjustment, a satisfactory run of one hour was made with the engine loaded. This test is classified as non-valid in accordance with Regulatory Guide 1.108, Section c.2.e(2) in that the trip was caused by a condition bypassed during emergency operation. The current surveillance frequency remains 31 days in compliance with Technical Specification Table 4.8.1.1.2-1 and Section c.2.d of Regulatory Guide 1.108.



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388  
UNIT Two  
DATE April 6, 1984  
COMPLETED BY L.A. Kuczynski  
TELEPHONE (717) 542-3759

MONTH March, 1984

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	_____
18	_____
19	_____
20	_____
21	_____
22	_____
23	0 _____
24	0 _____
25	0 _____
26	0 _____
27	0 _____
28	0 _____
29	0 _____
30	0 _____
31	0 _____

## 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.



# OPERATING DATA REPORT

DOCKET NO. 50-388  
 DATE April 6, 1984  
 COMPLETED BY L.A. Kuczynski  
 TELEPHONE (717) 542-3759

## OPERATING STATUS

Unit 2

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1984
- \* 3. Licensed Thermal Power (MWt): 3,293
4. Nameplate Rating (Gross MWe): 1,152
5. Design Electrical Rating (Net MWe): 1,065
- \*\* 6. Maximum Dependable Capacity (Gross MWe): -
- \*\* 7. Maximum Dependable Capacity (Net MWe): -
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

### Notes

\*License issued March 23, 1984  
 \*\*To be determined  
 Fuel load commenced  
 March 28, 1984.

9. Power Level To Which Restricted, If Any (Net MWe): 0
10. Reasons For Restrictions, If Any: Unit in initial fuel load phase. License restriction to 5% full power (164.6 MWt). Turbine generator will not be synchronized at or below 5% power.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>0</u>	<u>0</u>	<u>0</u>
12. Number Of Hours Reactor Was Critical	<u> </u>	<u> </u>	<u> </u>
13. Reactor Reserve Shutdown Hours	<u> </u>	<u> </u>	<u> </u>
14. Hours Generator On-Line	<u> </u>	<u> </u>	<u> </u>
15. Unit Reserve Shutdown Hours	<u> </u>	<u> </u>	<u> </u>
16. Gross Thermal Energy Generated (MWH)	<u> </u>	<u> </u>	<u> </u>
17. Gross Electrical Energy Generated (MWH)	<u> </u>	<u> </u>	<u> </u>
18. Net Electrical Energy Generated (MWH)	<u> </u>	<u> </u>	<u> </u>
19. Unit Service Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
20. Unit Availability Factor	<u> </u>	<u> </u>	<u> </u>
21. Unit Capacity Factor (Using MDC Net)	<u> </u>	<u> </u>	<u> </u>
22. Unit Capacity Factor (Using DER Net)	<u> </u>	<u> </u>	<u> </u>
23. Unit Forced Outage Rate	<u> </u>	<u> </u>	<u> </u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u> </u>	<u> </u>	<u> </u>

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	<u>04/23/84</u>	<u> </u>
INITIAL ELECTRICITY	<u>05/21/84</u>	<u> </u>
COMMERCIAL OPERATION	<u>12/29/84</u>	<u> </u>



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1984

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE April 6, 1984  
 COMPLETED BY L.A. Kuczyński  
 TELEPHONE (717) 542-3759

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
None									

1 F: Forced  
S: Scheduled

2 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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-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

(9/77)



UNIT TWO

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 4/6/84

Completed By L.A. Kuczynski Telephone (717) 542-3759

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.





Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Bruce D. Kenyon  
Vice President-Nuclear Operations  
215/770-7502

APR 10 1984

Director, Data Automation &  
Management Information Division  
Attention: Mr. M. R. Beebe  
Management Information Branch  
Office of Resource Management  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORT  
ER 100450 FILE 841  
PLA-2172

Docket Nos. 50-387  
50-388

Dear Mr. Beebe:

The March 1984 monthly operating reports for Susquehanna SES Units 1 and 2 are attached. The Unit 2 Operating License was received on March 23, 1984.

Very truly yours,

B. D. Kenyon  
Vice President-Nuclear Operations

Attachment

cc: Dr. Thomas E. Murley  
Regional Administrator-Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

INPO Records Center  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30339

Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
Attn: Document Control Desk (12 copies)

Mr. Thomas E. Pollog  
Department of Environmental  
Resources  
Bureau of Radiation Protection  
P.O. Box 2063  
Harrisburg, PA 17120

Mr. R. H. Jacobs - NRC  
Mr. R. L. Perch - NRC

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1/1