

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 11-08-84

COMPLETED BY L.A. Kuczynski

TELEPHONE (717) 542-3759

MONTH October, 1984

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1033</u>
2	<u>994</u>
3	<u>962</u>
4	<u>1047</u>
5	<u>1040</u>
6	<u>626</u>
7	<u>593</u>
8	<u>835</u>
9	<u>1007</u>
10	<u>1000</u>
11	<u>964</u>
12	<u>736</u>
13	<u>22</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>54</u>
18	<u>432</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>139</u>
23	<u>569</u>
24	<u>786</u>
25	<u>1029</u>
26	<u>1005</u>
27	<u>694</u>
28	<u>821</u>
29	<u>980</u>
30	<u>942</u>
31	<u>1042</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)

8411280154 841031  
PDR ADDCK 05000387  
R PDR

IE24  
111



# OPERATING DATA REPORT

DOCKET NO. 50-387  
 DATE 11-08-84  
 COMPLETED BY L.A. Kuczynski  
 TELEPHONE (717) 542-3759

## OPERATING STATUS

Unit 1

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: October, 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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

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>745</u>	<u>7,320</u>	<u>12,289</u>
12. Number Of Hours Reactor Was Critical	<u>586.8</u>	<u>5,200.3</u>	<u>9,045.6</u>
13. Reactor Reserve Shutdown Hours	<u>65.6</u>	<u>314.7</u>	<u>471.4</u>
14. Hours Generator On-Line	<u>554.8</u>	<u>5,043.7</u>	<u>8,812</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,487,312</u>	<u>15,161,312</u>	<u>26,422,937</u>
17. Gross Electrical Energy Generated (MWH)	<u>485,360</u>	<u>4,939,090</u>	<u>8,605,640</u>
18. Net Electrical Energy Generated (MWH)	<u>465,231</u>	<u>4,754,056</u>	<u>8,290,429</u>
19. Unit Service Factor	<u>74.5</u>	<u>68.9</u>	<u>71.7</u>
20. Unit Availability Factor	<u>74.5</u>	<u>68.9</u>	<u>71.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>60.5</u>	<u>62.9</u>	<u>65.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>58.6</u>	<u>61</u>	<u>63.3</u>
23. Unit Forced Outage Rate	<u>25.5</u>	<u>16.7</u>	<u>14.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling Outage; February 9, 1985; 15 weeks.

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

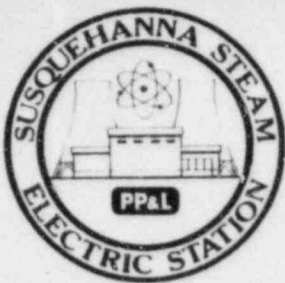
26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

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



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1984

DOCKET NO. 50-387  
 UNIT NAME One  
 DATE 11-08-84  
 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
14	841006	S	0	H	5	NA	RC	FUELXX	Scheduled power reduction to optimize fuel use until refueling outage. Control rod scram timing tests were also performed.
15*	841012	F	0	A	5	NA	RB	VALVEX	Controlled power reduction begun in anticipation of Unit shutdown required to replace disc holder assemblies in scram pilot solenoid valves.
16	841013	F	105.2	A	2	NA	RB	VALVEX	Reactor scram to shutdown unit during replacement of disc holder assemblies in scram pilot solenoid valves.
17	841018	F	85	B	2	84-045	RB	VALVEX	Reactor scram required to perform 18-month surveillance of scram discharge volume vent and drain valves. Surveillance failed on first attempt. Valves were replaced and surveillance successfully rerun on 10-21-84.
18	841027	S	0	H	5	NA	RC	FUELXX	Scheduled power reduction to optimize fuel use until refueling outage.

<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-Reduction  
 9-Other

<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 1  
SUSQUEHANNA STEAM ELECTRIC STATION

Docket No. 50-387  
Date 11-08-84  
Completed by L.A. Kuczynski  
Telephone (717) 542-3759

Challenges to Main Steam Safety Relief Valves

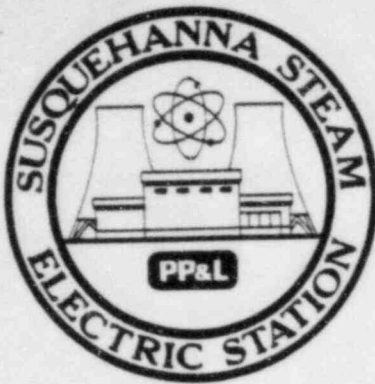
None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388  
 UNIT Two  
 DATE 11-08-84  
 COMPLETED BY L.A. Kuczynski  
 TELEPHONE (717)542-3759

MONTH October, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>346</u>
4	<u>801</u>
5	<u>963</u>
6	<u>1017</u>
7	<u>1004</u>
8	<u>1001</u>
9	<u>995</u>
10	<u>759</u>
11	<u>961</u>
12	<u>762</u>
13	<u>40</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>201</u>
20	<u>552</u>
21	<u>549</u>
22	<u>560</u>
23	<u>728</u>
24	<u>950</u>
25	<u>1054</u>
26	<u>1053</u>
27	<u>63</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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.





# OPERATING DATA REPORT

DOCKET NO. 50-388  
 DATE 11-08-84  
 COMPLETED BY L.A. Kuczynski  
 TELEPHONE (717) 542-3759

## OPERATING STATUS

Unit 2

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: October, 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): \*
7. Maximum Dependable Capacity (Net MWe): \*

Notes

\* To be determined.

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

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	745	2,892	2,892
12. Number Of Hours Reactor Was Critical	492.5	2,145.9	2,145.9
13. Reactor Reserve Shutdown Hours	0	495	495
14. Hours Generator On-Line	435.6	1,769.3	1,769.3
15. Unit Reserve Shutdown Hours	0	142.4	142.4
16. Gross Thermal Energy Generated (MWH)	1,099,651	3,227,193	3,227,193
17. Gross Electrical Energy Generated (MWH)	359,970	989,040	989,040
18. Net Electrical Energy Generated (MWH)	344,563	932,026	932,026
19. Unit Service Factor	NA	NA	NA
20. Unit Availability Factor	NA	NA	NA
21. Unit Capacity Factor (Using MDC Net)	NA	NA	NA
22. Unit Capacity Factor (Using DER Net)	NA	NA	NA
23. Unit Forced Outage Rate	NA	NA	NA

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: December 26, 1984

	Forecast	Achieved
INITIAL CRITICALITY	05/09/84	05/08/84
INITIAL ELECTRICITY	06/28/84	07/03/84
COMMERCIAL OPERATION	01/31/85	



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1984

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 11-08-84  
 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
13	840930	F	46	A	3	84-021	CC	INSTRU	Reactor scram due to turbine trip on high level in moisture separator drain tank. Modifications to the moisture separator drain tank level control system are planned and will prevent recurrence.
14	841010	S	0	B	5	NA	NA	NA	Power reduction for scheduled startup testing.
15	841013	F	144.2	B	2	NA	RB	VALVEX	Reactor scram to shutdown Unit during replacement of disc holder assemblies in scram pilot solenoid valves.
16	841027	S	119.2	B	3	NA	NA	NA	Reactor scram as part of scheduled startup testing. Pre-commercial outage commenced.

<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-Reduction  
 9-Other

<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 2  
SUSQUEHANNA STEAM ELECTRIC STATION

Docket No. 50-388  
Date 11-08-84  
Completed by L.A. Kuczynski  
Telephone (717) 542-3759

Challenges to Main Steam Safety Relief Valves

Following the scram of October 27, 1984, SRV 'E' actuated twice. For the first actuation, the SRV opened automatically and was closed manually. The second actuation was entirely manual.

<u>OPEN</u>	<u>CLOSED</u>	<u>RX PRESSURE (psig) AT SRV OPEN</u>	<u>RX PRESSURE (psig) AT SRV CLOSED</u>
01:52:59	01:58:49	1073	829
02:03:07	02:04:43	1074	904

On October 28, 1984, SRV 'S' was manually actuated to reduce reactor pressure to aid reactor cooldown at the start of the Pre-Commercial Outage.

02:39:49	03:20:20	160	71
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Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None

rmh/rpk201280a





# Pennsylvania Power & Light Company

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

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

NOV 15 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 REPORTS  
ER 100450 FILE 841  
PLA-2349

Docket Nos. 50-387/NPF-14  
50-388/NPF-22

Dear Mr. Beebe:

The October 1984 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

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

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Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
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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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