

# CATEGORY 1

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ACCESSION NBR: 9611260172      DOC. DATE: 96/10/31      NOTARIZED: NO      DOCKET #  
FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv      05000387  
50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv      05000388  
AUTH: NAME      AUTHOR AFFILIATION  
YOUNG, K.A.      Pennsylvania Power & Light Co.  
BYRAM, R.G.      Pennsylvania Power & Light Co.  
RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Oct 1996 for Susquehanna Steam Electric Station, Unit 1 & 2. W/961115 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

NOTES: 05000387

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**Pennsylvania Power & Light Company**

Two North Ninth Street • Allentown, PA 18101-1179 • 610/774-5151

Robert G. Byram  
Senior Vice President-Nuclear  
610/774-7502  
Fax: 610/774-5019

Submitted pursuant to  
Technical Specifications  
Section 6.9.1.6

NOV 15 1996

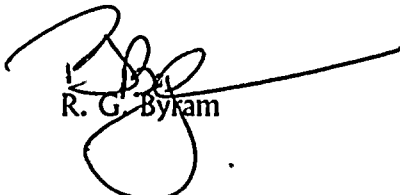
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SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS  
PLA-4533 FILE R41-2A

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

The October 1996 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



R. G. Byram

Attachment

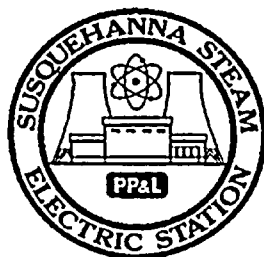
copy: NRC Region I  
Mr. K. Jenison, NRC Sr. Resident Inspector  
Mr. C. Poslusny, Jr., NRC Sr. Project Manager



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PDR ADDCK 05000387  
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260060

## AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387  
 UNIT One  
 DATE 11-05-96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

MONTH October 1996

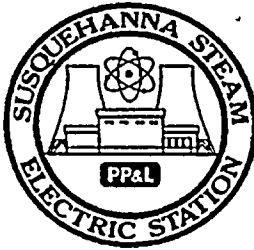
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	0
2.	0
3.	0
4.	0
5.	0
6.	0
7.	0
8.	0
9.	0
10.	0
11.	0
12.	0
13.	0
14.	0
15.	0
16.	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	0
18.	0
19.	0
20.	0
21.	0
22.	0
23.	8
24.	249
25.	330
26.	331
27.	368
28.	185
29.	0
30.	0
31.	0

**INSTRUCTION:**

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. 50-387  
 UNIT One  
 DATE 11/05/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

NOTES

### OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: October 1996
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1165
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross Mwe): 1128
7. Maximum Dependable Capacity (Net MWe): 1090
8. If changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:  
NONE

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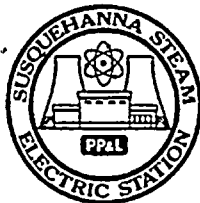
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	745	7320	117,481
12. Number of Hours Reactor Was Critical	182.2	6,110.7	92,527.7
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	117.5	6,021.6	90,904,897
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	145,483	20,658,535	289,035,724
17. Gross Electrical Energy Generated (MWH)	38,493	6,512,914	94,344,280
18. Net Electrical Energy Generated (MWH)	27,405	6,266,674	90,669,277
19. Unit Service Factor	15.8	82.3	77.4
20. Unit Availability Factor	15.8	82.3	77.4
21. Unit Capacity Factor (Using MDC Net)	3.4	78.5	73.8
22. Unit Capacity Factor (Using DER Net)	3.3	77.8	73.1
23. Unit Forced Outage Rate	40.5	3.0	6.8

24. Shut Down Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
9th Refuel Outage: start September 7, 1996; duration 46 days; Startup October 23, 1996. Shutdown October 28, 1996 to repair main steam drain line leaks.

25. If Shut Down at End of Report Period, Estimated Date of Startup: November 3, 1996

26. Units in Test Status (Prior to Commercial Operation): INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION	Forecast _____ _____ _____	Achieved _____ _____ _____
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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-387  
 UNIT One  
 DATE 11/08/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

REPORT MONTH October 1996

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
10	960907 (Contd)	S	546.5	C	2	NA	XX	ZZZ	Unit One commenced shutdown from 62% power at 2100 hours September 6. Main generator was taken off line at 0806 hours and reactor manually scrammed at 0949 hours September 7. 9th Refuel Inspection Outage was completed and unit returned to service at 1831 hours, October 23.
11	961028	F	80.5	A	1	N/A	SB	PSF	Unit One's power ascension was stopped at 38% power level due to main steam drain line leaks on one inch lines. Generator was taken off line at 1529 hours October 28. Forced outage activities included alignment checks on the "B" Reactor Recirculation pump and installing a main turbine/generator balance shot.

- |  |  |   |  |                                      |
|--|--|---|--|--------------------------------------|
| <b>1.</b><br>F. Forced<br>S. Scheduled | <b>2.</b><br>Reason:<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) | <b>3.</b><br>Method:<br>1- Manual<br>2- Manual Scram<br>3- Automatic Scram<br>4- Continuation from previous month<br>5- Reduction<br>9- Other | <b>4.</b><br>Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161) | <b>5.</b><br>Exhibit I - Same Source |
|--|--|---|--|--------------------------------------|

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-387 Date: 11/8/96

Completed by: K. A. Young Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

None.

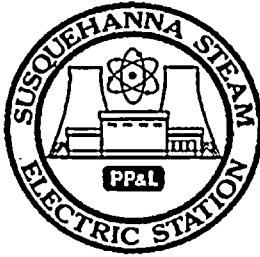
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment System

None.

## AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-388  
 UNIT Two  
 DATE 11/08/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

MONTH October 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1072
2.	1046
3.	1107
4.	1110
5.	1081
6.	1108
7.	1107
8.	1106
9.	1082
10.	955
11.	1110
12.	1109
13.	1105
14.	1102
15.	1108
16.	1103

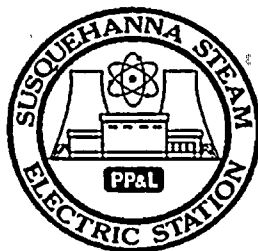
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	1097
18.	1100
19.	1104
20.	1106
21.	1106
22.	1105
23.	1101
24.	1106
25.	1108
26.	1106
27.	1104
28.	1104
29.	1105
30.	1104
31.	1110

**INSTRUCTION:**

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  
 UNIT Two  
 DATE 11/08/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

NOTES:

## OPERATING STATUS

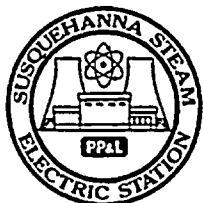
1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: October 1996
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1168
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross Mwe): 1132
7. Maximum Dependable Capacity (Net MWe): 1094
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: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	745	7320	102,720
12. Number of Hours Reactor Was Critical	745	6,930.4	86,894,031
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	745	6,882.3	85,365,892
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,530,280	23,379,716	276,465,602
17. Gross Electrical Energy Generated (MWH)	845,239	7,786,835	90,456,081
18. Net Electrical Energy Generated (MWH)	816,553	7,515,293	87,108,934
19. Unit Service Factor	100	94.0	83.1
20. Unit Availability Factor	100	94.0	83.1
21. Unit Capacity Factor (Using MDC Net)	100.2	93.9	80.3
22. Unit Capacity Factor (Using DER Net)	99.6	93.3	79.9
23. Unit Forced Outage Rate	0	6.0	5.0
24. Shut Down Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>8 Refuel Inspection Outage; Start March 15, 1997; duration 36 days.</u>			

25. If Shut Down at End of Report Period, Estimated Date of Startup: N/A
26. Units in Test Status (Prior to Commerical Operation):
 

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

## UNIT SHUTDOWNS AND POWER REDUCTIONS



DOCKET NO. 50-388  
 UNIT Two  
 DATE 11/08/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

REPORT MONTH October 1996

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
									No reportable events.

- |  |  |   |  |                                      |
|--|--|---|--|--------------------------------------|
| <b>1.</b><br>F. Forced<br>S. Scheduled | <b>2.</b><br>Reason:<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) | <b>3.</b><br>Method:<br>1- Manual<br>2- Manual Scram<br>3- Automatic Scram<br>4- Continuation from previous month<br>5- Reduction<br>9- Other | <b>4.</b><br>Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161) | <b>5.</b><br>Exhibit I - Same Source |
|--|--|---|--|--------------------------------------|

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-388

Date: 11/08/96

Completed by: K. A. Young

Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment System

None.



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