

# CATEGORY 1

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ACCESSION NBR: 9612260225      DOC. DATE: ~~96/11/30~~      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 Nov 1996 for Susquehanna Steam Electric Station Units 1 & 2. W/961216 ltr.

DISTRIBUTION CODE: IE24D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 9  
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NOTES:

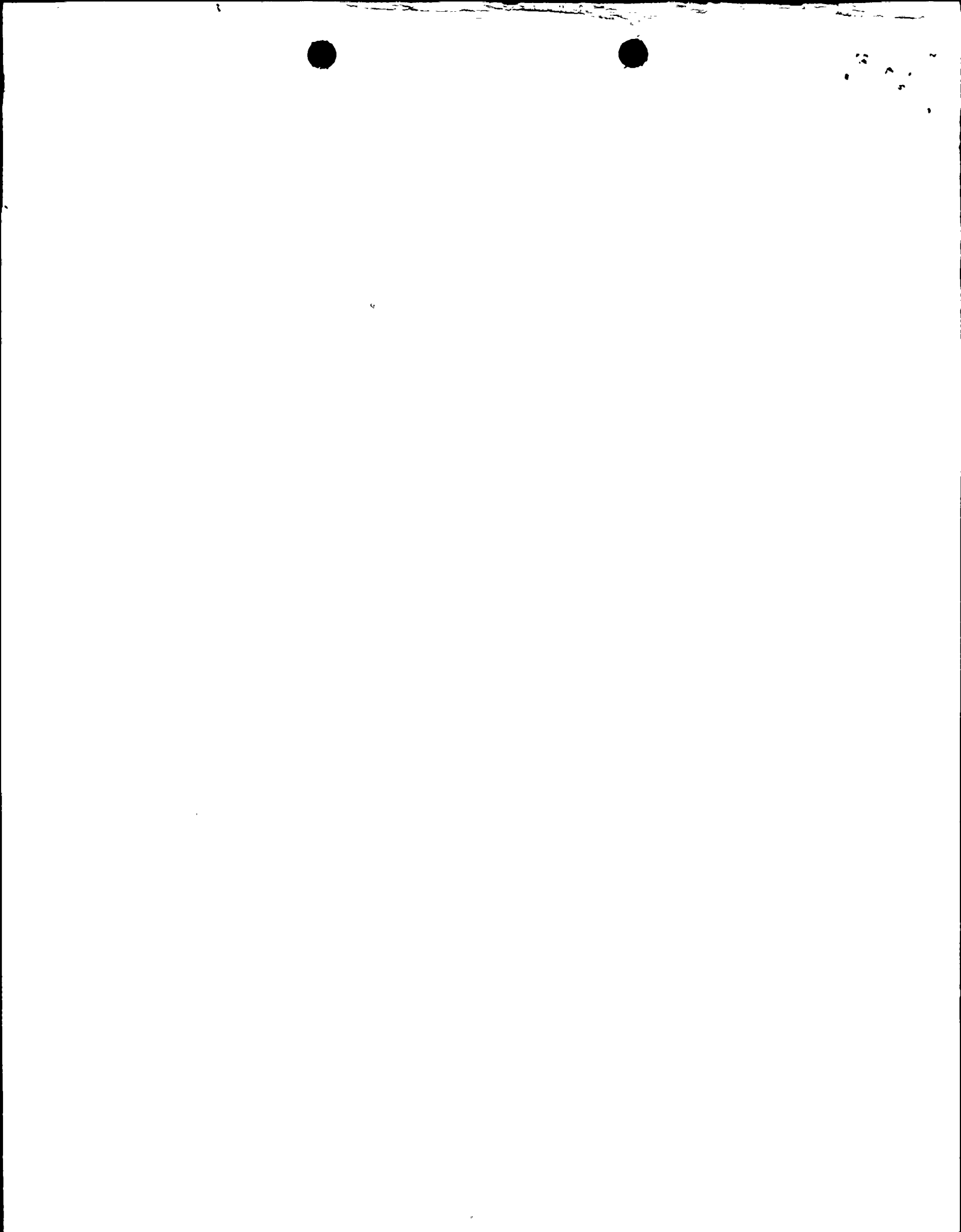
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**Pennsylvania Power & Light Company**

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

DEC 16 1996

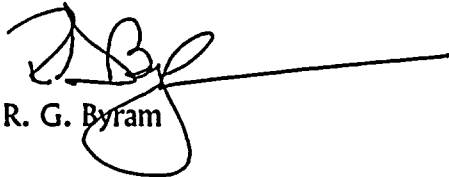
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SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS  
PLA-4540 FILE R41-2A

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

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

Very truly yours,



R. G. Byram

Attachment

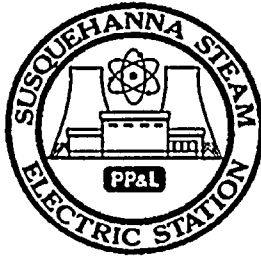
copy: NRC Region I  
Mr. K. Jenison, NRC Sr. Resident Inspector  
Mr. C. Poslusny, Jr., NRC Sr. Project Manager

12/24  
11

9612260225 961130  
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6174.

## AVERAGE DAILY UNIT POWER LEVEL



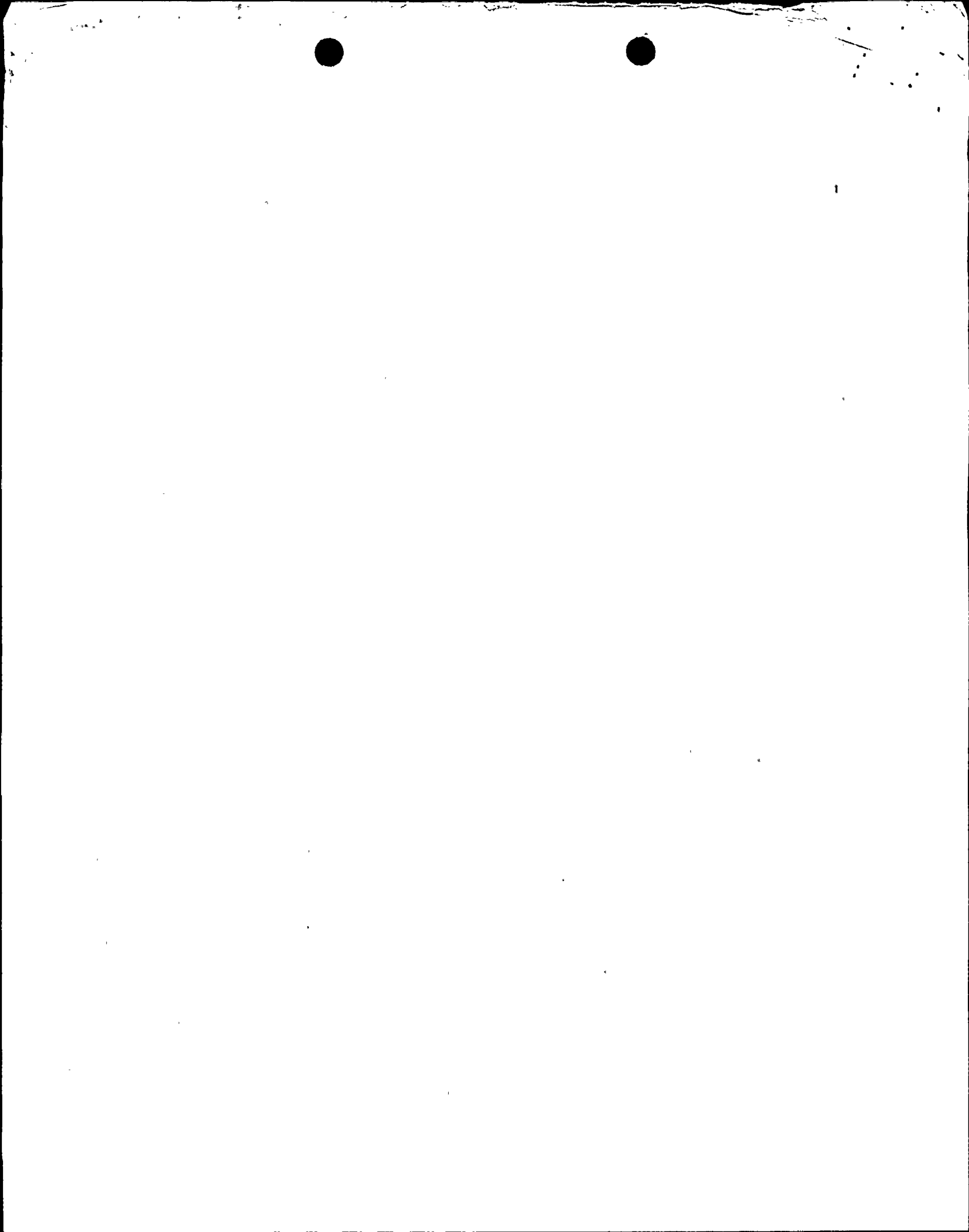
DOCKET NO. 50-387  
 UNIT One  
 DATE 12-11-96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

MONTH November 1996

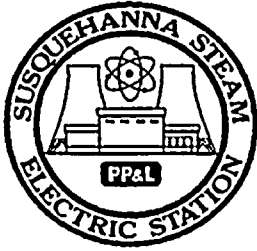
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>0</u>	17.	<u>1115</u>
2.	<u>0</u>	18.	<u>1117</u>
3.	<u>322</u>	19.	<u>1116</u>
4.	<u>654</u>	20.	<u>1117</u>
5.	<u>819</u>	21.	<u>1116</u>
6.	<u>817</u>	22.	<u>1115</u>
7.	<u>817</u>	23.	<u>1114</u>
8.	<u>816</u>	24.	<u>1115</u>
9.	<u>828</u>	25.	<u>1114</u>
10.	<u>830</u>	26.	<u>1114</u>
11.	<u>853</u>	27.	<u>1116</u>
12.	<u>889</u>	28.	<u>1116</u>
13.	<u>1050</u>	29.	<u>1115</u>
14.	<u>1114</u>	30.	<u>913</u>
15.	<u>1107</u>	31.	<u>          </u>
16.	<u>1115</u>		

**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 12/11/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

NOTES

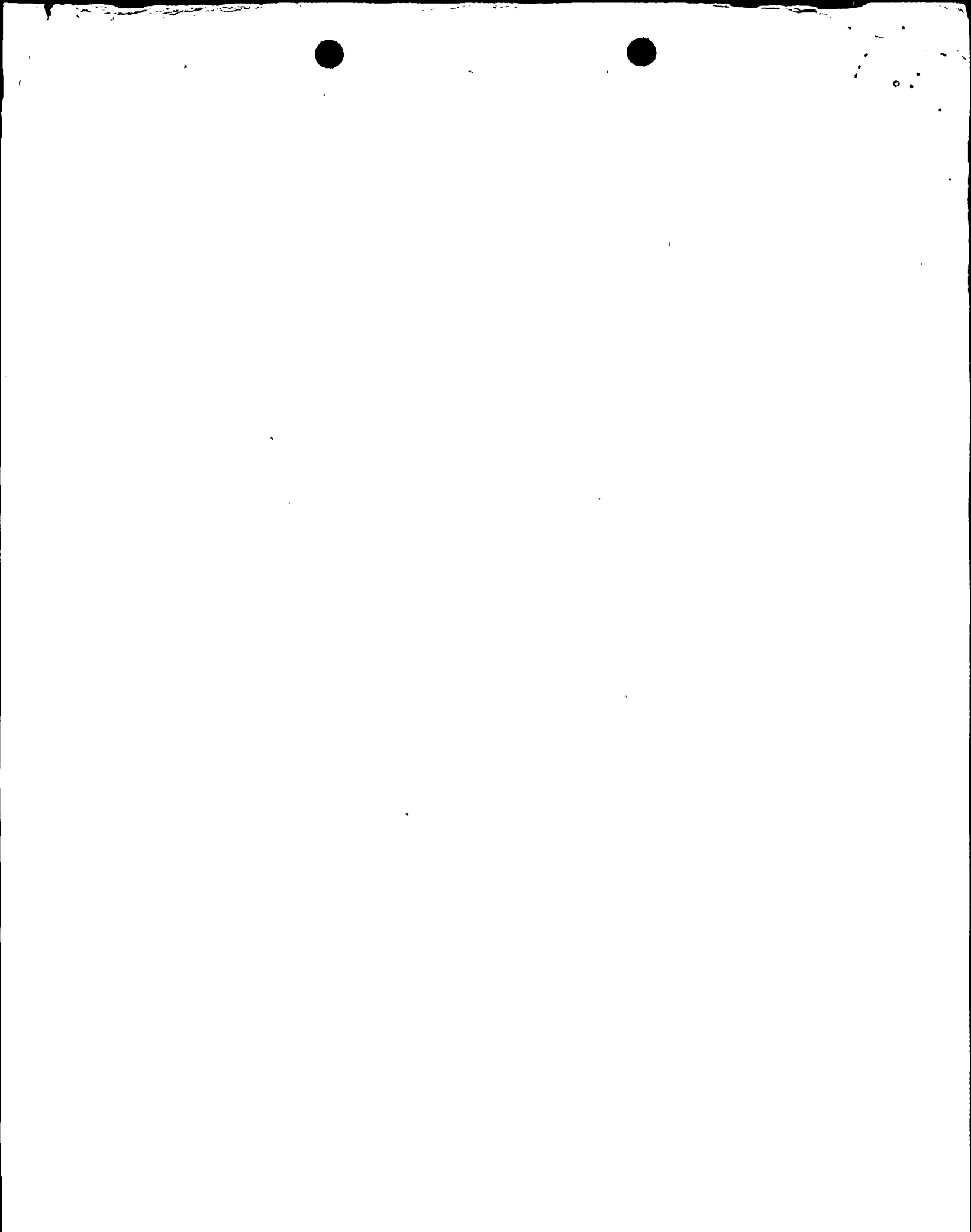
## OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: November 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
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	720	8040	118,201
12. Number of Hours Reactor Was Critical	690.1	6,800.8	93,217.8
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	669.2	6,690.8	91,574.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,047,490	22,706,025	291,083,214
17. Gross Electrical Energy Generated (MWH)	682,576	7,195,490	95,016,985
18. Net Electrical Energy Generated (MWH)	657,708	6,924,382	9,326,985
19. Unit Service Factor	92.9	83.2	77.5
20. Unit Availability Factor	92.9	83.2	77.5
21. Unit Capacity Factor (Using MDC Net)	83.8	79.0	73.8
22. Unit Capacity Factor (Using DER Net)	83.0	78.3	73.1
23. Unit Forced Outage Rate	7.1	3.4	6.8
24. Shut Down Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

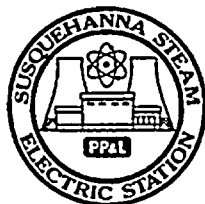
25. If Shut Down at End of Report Period, Estimated Date of Startup:
26. Units in Test Status (Prior to Commercial Operation):
 

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





# UNIT SHUTDOWNS AND POWER REDUCTIONS



DOCKET NO. 50-387  
 UNIT One  
 DATE 12/11/96  
 COMPLETED BY K. A. Young.  
 TELEPHONE (717) 542-3251

REPORT MONTH November, 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
11	961028	F	50.8	A	9	N/A	SB	PSF	Unit One's power ascension was stopped at 38% power level due to a leak in the main steam line drain piping. Generator was taken off line at 1529 hours October 28. Forced outage activities included replacement of a portion of the main steam line drain piping, alignment checks on the "B" Reactor Recirculation pump and installing a main turbine/generator balance shot. Unit returned to service at 02:29 hours November 3, 1996.

1. F. Forced  
S. Scheduled

2. 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)

3. Method:  
 1- Manual  
 2- Manual Scram  
 3- Automatic Scram  
 4- Continuation from previous month  
 5- Reduction  
 9- Other Continuation

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

5. Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-387 Date: 12/11/96

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

Challenges to Main Steam Safety Relief Valves

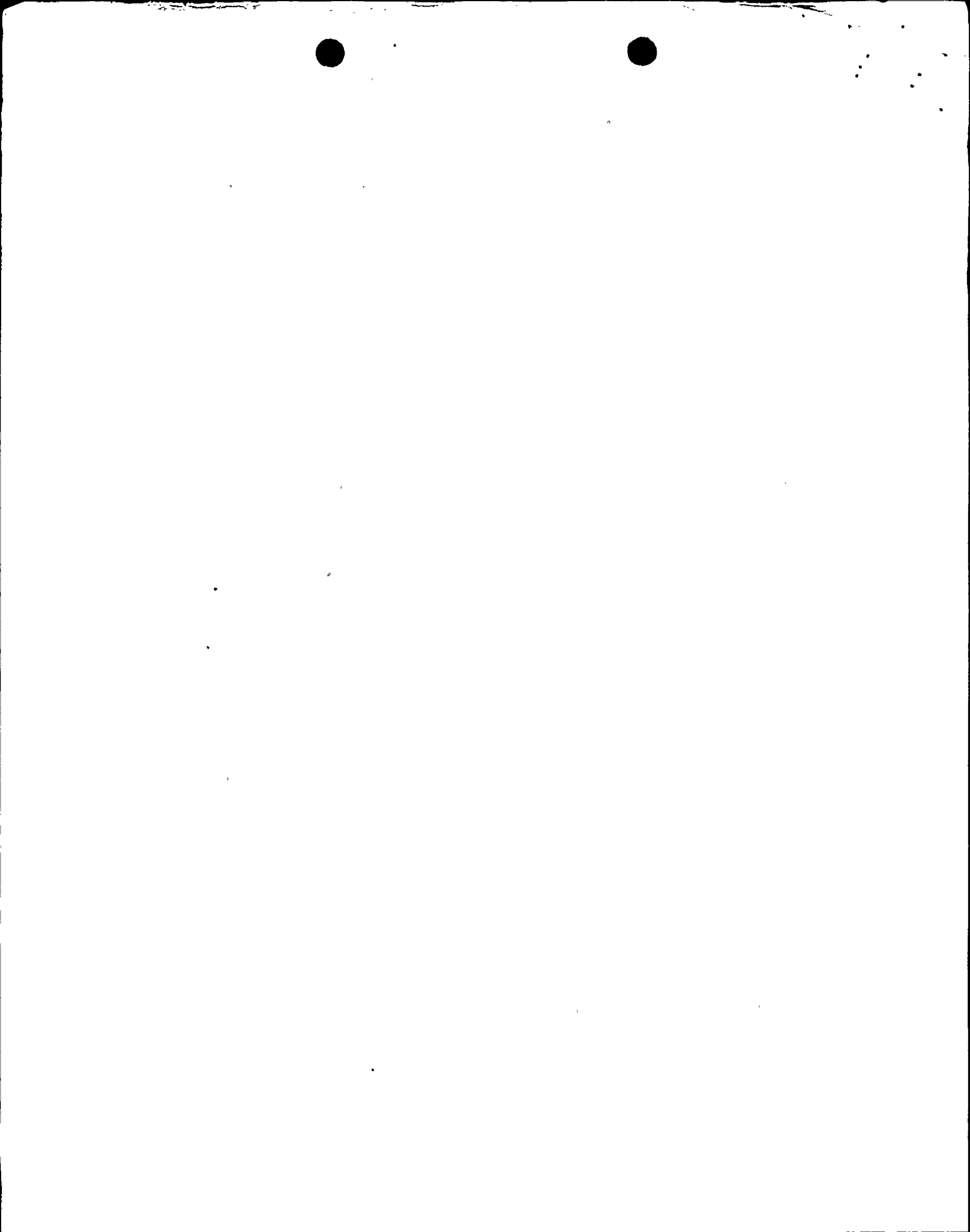
None.

Changes to the Offsite Dose Calculation Manual

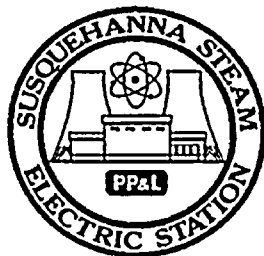
None.

Major Changes to Radioactive Waste Treatment System

None.



## AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-388  
 UNIT Two  
 DATE 12/11/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

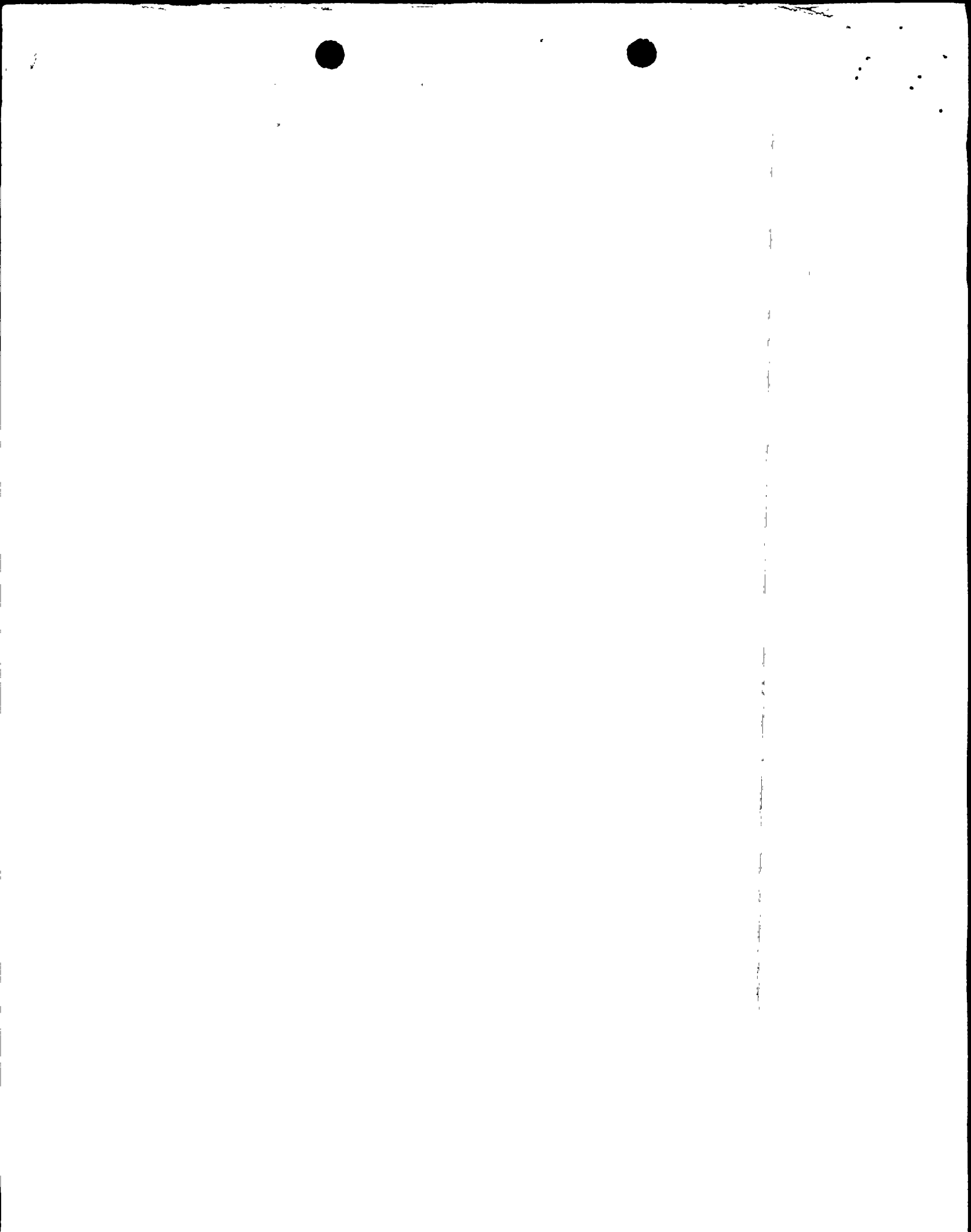
MONTH November 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1112
2.	1112
3.	1112
4.	1111
5.	1110
6.	1107
7.	1099
8.	1098
9.	1110
10.	1112
11.	1112
12.	1112
13.	1111
14.	1112
15.	1111
16.	1111

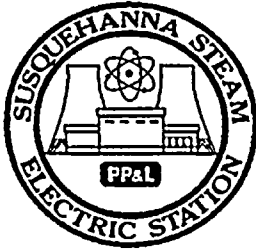
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	1111
18.	1111
19.	1112
20.	1112
21.	1112
22.	1078
23.	991
24.	1113
25.	1111
26.	1111
27.	1112
28.	1113
29.	1112
30.	1112
31.	

**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 12/11/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

NOTES:

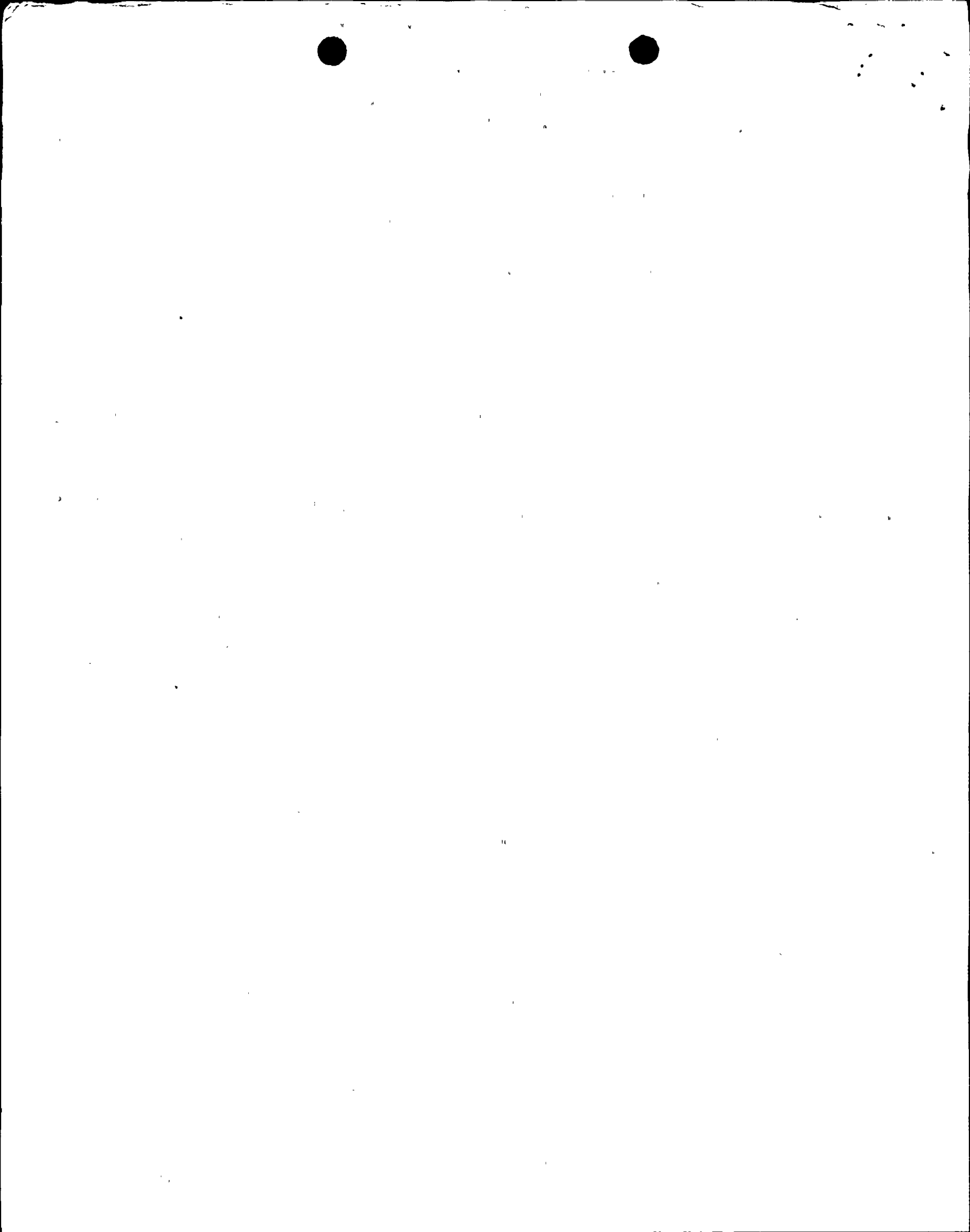
## OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: November 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

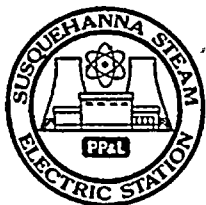
	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	720	8040	103,440
12. Number of Hours Reactor Was Critical	720	7,650.4	87,614.0
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	720	7,602.3	86,085.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,459,832	25,839,548	278,925,434
17. Gross Electrical Energy Generated (MWH)	823,717	8,610,552	91,279,798
18. Net Electrical Energy Generated (MWH)	795,941	8,311,234	87,904,875
19. Unit Service Factor	100	94.6	83.2
20. Unit Availability Factor	100	94.6	83.2
21. Unit Capacity Factor (Using MDC Net)	101.1	94.5	80.5
22. Unit Capacity Factor (Using DER Net)	100.5	94.0	80.0
23. Unit Forced Outage Rate	0	5.4	4.9
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 Commercial Operation):
 

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



**UNIT SHUTDOWNS AND POWER REDUCTIONS**



DOCKET NO. 50-388  
 UNIT Two  
 DATE 12/11/96  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

REPORT MONTH November 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 report required this month.

1.  
 F. Forced  
 S. Scheduled

2.  
 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)

3.  
 Method:  
 1- Manual  
 2- Manual Scram  
 3- Automatic Scram  
 4- Continuation from previous month  
 5- Reduction  
 9- Other

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

5.  
 Exhibit I - Same Source



SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-388

Date: 12/11/96

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.