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ACCESSION NBR: 8912280097 DOC. DATE: 89/11/30 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.
 MCDONALD, W.G. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Nov 1989 for Susquehanna Steam Electric Station, Units 1 & 2. W/891214 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 8
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: LPDR 1 cy Transcripts. 05000387
 LPDR 1 cy Transcripts. 05000388 /

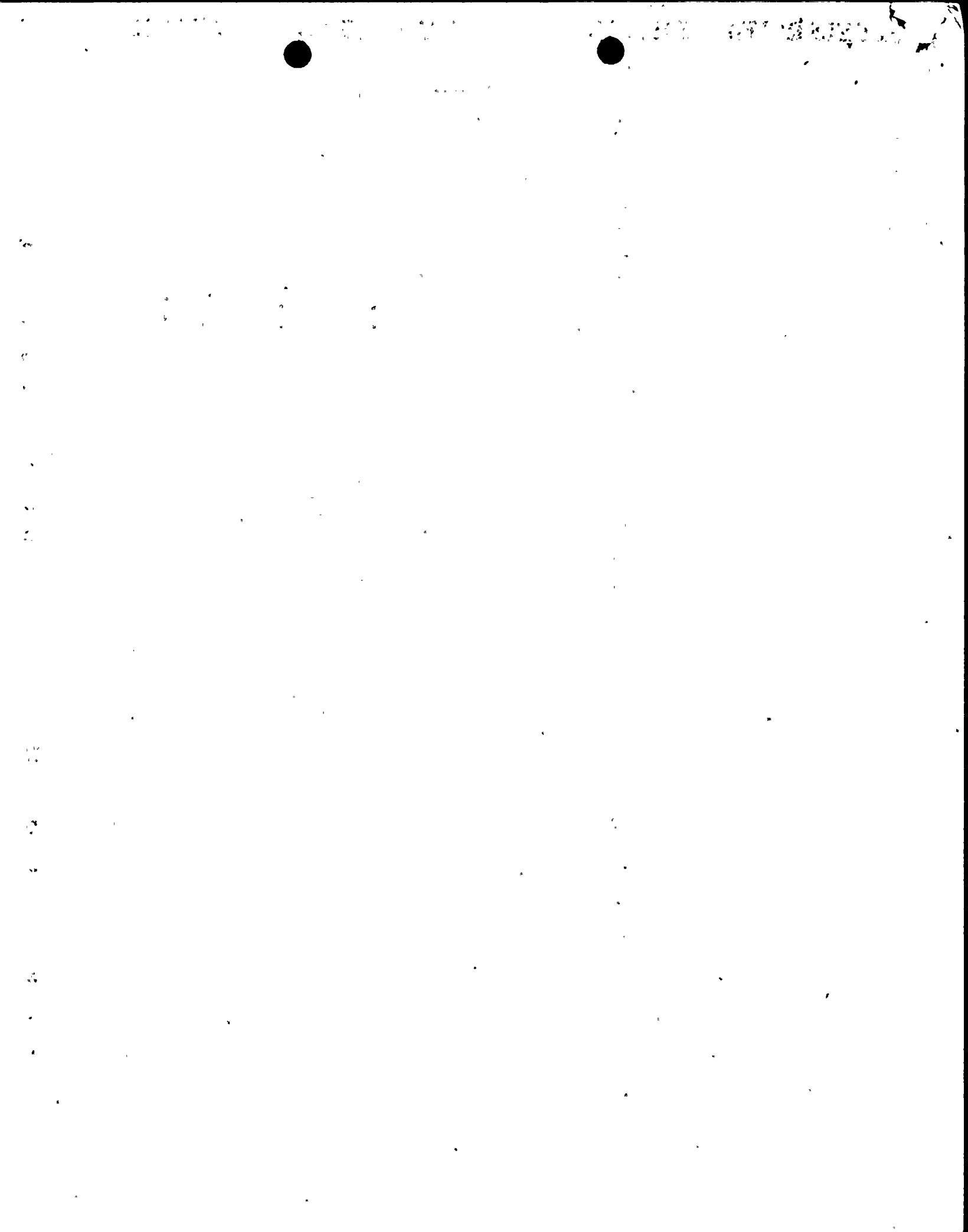
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Pennsylvania Power & Light Company

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

Harold W. Keiser
Senior Vice President-Nuclear
215/770-4194

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

DEC 14 1989

Mr. William G. McDonald
Director, Office of Administration
and Resources Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-3312 FILE R41-2A

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

Dear Mr. McDonald:

The November 1989 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

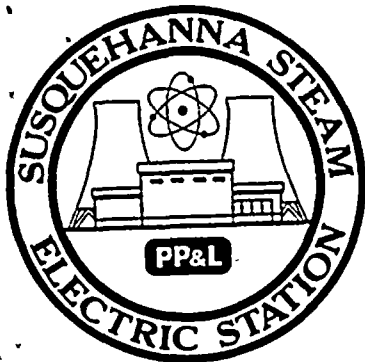
Very truly yours,

H. W. Keiser

Attachment

cc: Document Control Desk (Original)
NRC Region I
Mr. G. S. Barber - NRC Resident Inspector
Mr. M. C. Thadani - NRC Project Manager

TE24
11



AVERAGE DAILY UNIT POWER LEVEL

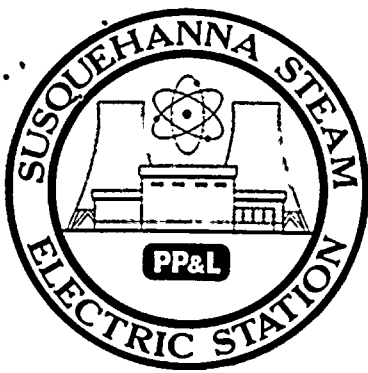
DOCKET NO. 50-387
UNIT One
DATE 12-5-89
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH November 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1051</u>	17	<u>1052</u>
2	<u>1052</u>	18	<u>1052</u>
3	<u>1053</u>	19	<u>1048</u>
4	<u>1054</u>	20	<u>1045</u>
5	<u>1049</u>	21	<u>1050</u>
6	<u>1048</u>	22	<u>1051</u>
7	<u>1050</u>	23	<u>1054</u>
8	<u>1048</u>	24	<u>1055</u>
9	<u>1050</u>	25	<u>1053</u>
10	<u>1054</u>	26	<u>1049</u>
11	<u>1054</u>	27	<u>1053</u>
12	<u>1044</u>	28	<u>1046</u>
13	<u>1054</u>	29	<u>1055</u>
14	<u>1047</u>	30	<u>1053</u>
15	<u>1041</u>	31	<u> </u>
16	<u>1045</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. 50-387
 DATE 12-5-89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: November 1989
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1069.3
7. Maximum Dependable Capacity (Net MWe): 1032.7
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made.

Notes

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	8,016	56,833
12. Number Of Hours Reactor Was Critical	720	5,870.3	42,812.1
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	720	5,738.7	41,892.0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,378,676	18,281,336	130,884,847
17. Gross Electrical Energy Generated (MWH)	783,410	5,982,902	42,706,762
18. Net Electrical Energy Generated (MWH)	756,193	5,745,614	40,991,095
19. Unit Service Factor	100	71.6	73.7
20. Unit Availability Factor	100	71.6	73.7
21. Unit Capacity Factor (Using MDC Net)	101.8	69.4	69.8
22. Unit Capacity Factor (Using DER Net)	100.0	68.3	68.7
23. Unit Forced Outage Rate	0	8.8	9.6

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

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	_____	_____

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 12-5-89

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

Challenges to Main Steam Safety Relief Valves

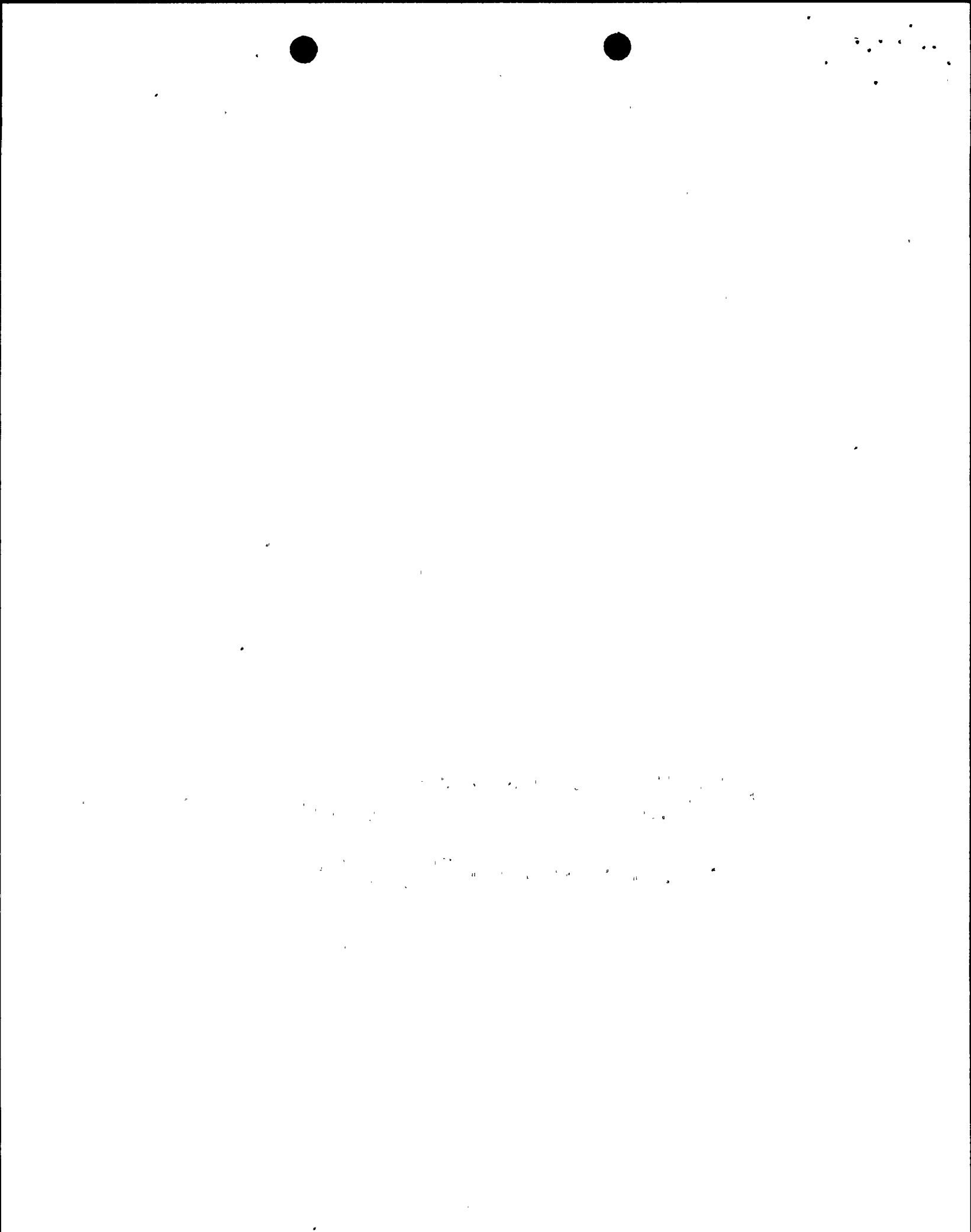
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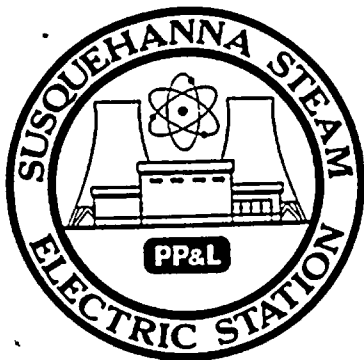
Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None





AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388

UNIT Two

DATE 12-5-89

COMPLETED BY K.A. Young

TELEPHONE (717) 542-3251

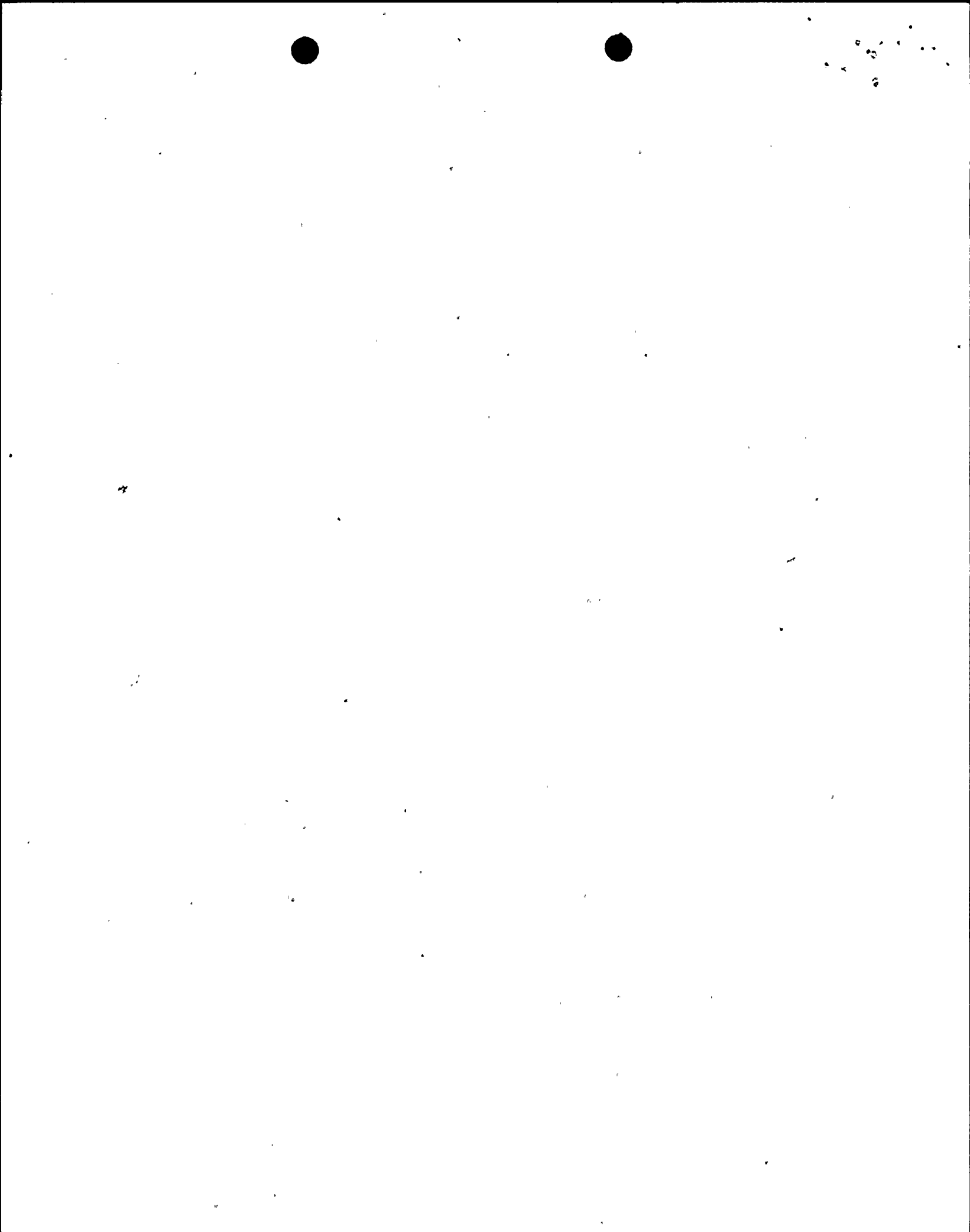
MONTH November 1989

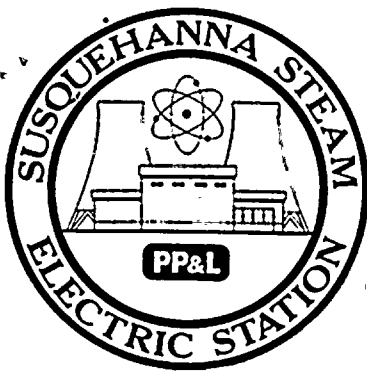
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

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>43</u>
24	<u>291</u>
25	<u>325</u>
26	<u>527</u>
27	<u>650</u>
28	<u>705</u>
29	<u>814</u>
30	<u>1039</u>
31	<u></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 12-5-89
 COMPLETED BY K. A. Young
 TELEPHONE (717)542-3252

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: November 1989
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1074.6
7. Maximum Dependable Capacity (Net MWe): 1038.2

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report; Give Reasons:
No changes were made.

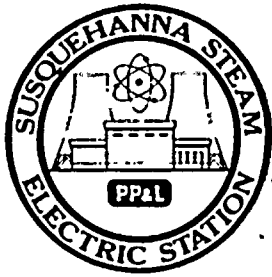
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	8016	42,072
12. Number Of Hours Reactor Was Critical	282.5	6,172.4	33,921.3
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	178.8	6003.2	33,151.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	329,107	19,016,946	104,392,549
17. Gross Electrical Energy Generated (MWH)	110,714	6,239,210	34,186,039
18. Net Electrical Energy Generated (MWH)	96,928	5,997,056	32,887,117
19. Unit Service Factor	24.8	74.9	78.8
20. Unit Availability Factor	24.8	74.9	78.8
21. Unit Capacity Factor (Using MDC Net)	13.0	72.1	75.3
22. Unit Capacity Factor (Using DER Net)	12.8	71.3	74.5
23. Unit Forced Outage Rate	0	2.2	6.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit Two completed its Third Refueling Outage on November 23, 1989.
No outages are scheduled over the next six months.

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

REPORT MONTH November 1989

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 12-5-89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
11	890910	S	541.2	C	4	NA	XX	ZZZ	Unit Two was manually shutdown for it's planned third refuel and inspection outage (3 RIO) commencing at 1833 hours September 9. Generator was taken off line at 0010 hours September 10. Unit returned to service on November 23 at 1313 hours.

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-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 12-5-89

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 Systems

None

