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ACCESSION NBR: 8812200196 DOC. DATE: 88/11/30 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388
 AUTH. NAME AUTHOR AFFILIATION
 YOUNG, K.A. Pennsylvania Power & Light Co.
 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Nov 1988 for Susquehanna Steam Electric Station Units 1 & 2. W/881215 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 9
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: LPDR 1 cy Transcripts. 05000387 /
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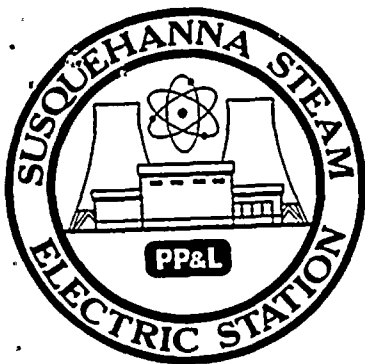
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 12/08/88

COMPLETED BY K.A. Young

TELEPHONE (717) 542-3251

MONTH November, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1050
2	1050
3	1050
4	1047
5	1040
6	1047
7	1052
8	1050
9	1050
10	1047
11	1050
12	1051
13	1047
14	1048
15	1050
16	1046

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1050
18	996
19	893
20	1050
21	1052
22	1054
23	1053
24	1053
25	1053
26	1051
27	1043
28	1051
29	1054
30	1054
31	

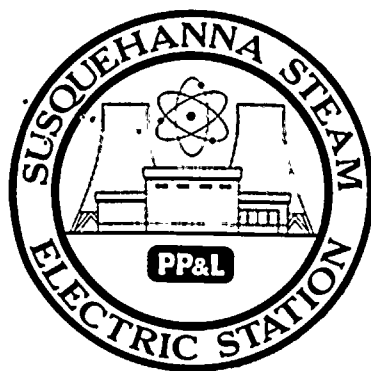
INSTRUCTIONS

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)

8812200196 881130
PDR ADOCK 05000387
R PDC

Handwritten signature/initials
11.



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 12/08/88
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: November, 1988
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): 1068.5
7. Maximum Dependable Capacity (Net MWe): 1032
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	<u>720</u>	<u>8,040</u>	<u>48,073</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>7,545.7</u>	<u>36,197.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>219.3</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>720</u>	<u>7,463.2</u>	<u>35,410.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,359,017</u>	<u>24,097,744</u>	<u>110,151,221</u>
17. Gross Electrical Energy Generated (MWH)	<u>777,508</u>	<u>7,903,019</u>	<u>35,913,618</u>
18. Net Electrical Energy Generated (MWH)	<u>750,739</u>	<u>7,627,584</u>	<u>34,468,812</u>
19. Unit Service Factor	<u>100</u>	<u>92.8</u>	<u>73.7</u>
20. Unit Availability Factor	<u>100</u>	<u>92.8</u>	<u>73.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.0</u>	<u>91.9</u>	<u>69.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.3</u>	<u>90.4</u>	<u>68.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>5.2</u>	<u>9.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit One is scheduled for a refueling outage on April 1, 1989. Duration of the outage plan is eleven weeks.

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	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 12/08/88

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

Challenges to Main Steam Safety Relief Valves

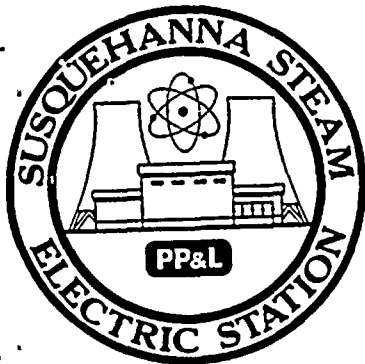
None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



AVERAGE DAILY UNIT POWER LEVEL

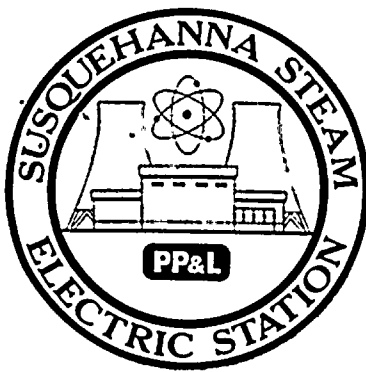
DOCKET NO. 50-388
UNIT Two
DATE 12/08/88
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH November, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1058</u>	17	<u>727</u>
2	<u>1054</u>	18	<u>917</u>
3	<u>482</u>	19	<u>1057</u>
4	<u>313</u>	20	<u>1051</u>
5	<u>821</u>	21	<u>1055</u>
6	<u>865</u>	22	<u>1056</u>
7	<u>1052</u>	23	<u>1057</u>
8	<u>1055</u>	24	<u>1056</u>
9	<u>1055</u>	25	<u>1057</u>
10	<u>1050</u>	26	<u>1054</u>
11	<u>1053</u>	27	<u>1046</u>
12	<u>1056</u>	28	<u>1053</u>
13	<u>1052</u>	29	<u>1055</u>
14	<u>1054</u>	30	<u>1055</u>
15	<u>875</u>	31	<u> </u>
16	<u>706</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 12/08/88
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: November, 1988
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): 1074.3
7. Maximum Dependable Capacity (Net MWe): 1037.8
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made

Notes

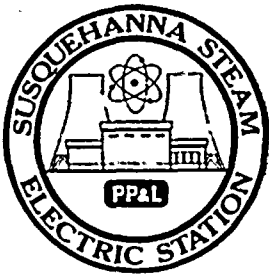
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	8,040	33,312
12. Number Of Hours Reactor Was Critical	720	5,412.9	27,004.9
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	714.8	5,243.2	26,404.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,190,544	16,323,086	82,948,799
17. Gross Electrical Energy Generated (MWH)	717,718	5,334,188	27,140,950
18. Net Electrical Energy Generated (MWH)	693,424	5,114,638	26,112,313
19. Unit Service Factor	99.3	65.2	79.3
20. Unit Availability Factor	99.3	65.2	79.3
21. Unit Capacity Factor (Using MDC Net)	92.8	61.3	75.5
22. Unit Capacity Factor (Using DER Net)	91.7	60.6	74.7
23. Unit Forced Outage Rate	0.7	0.2	7.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit Two is not currently scheduled to shutdown within the next six months.

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 November, 1988

DOCKET NO. 50-388
 UNIT NAME SSES Unit Two
 DATE 12/08/88
 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	881103	F	5.2	A	5	N/A	TG	PSF	Reactor power was reduced to 15% and main generator disconnected from the grid at 1328 hours, November 3, 1988. Repairs were made to a ruptured one quarter inch stainless steel tube that supplies Electro-Hydraulic Control pressure to the reactor protection system control valve fast closure pressure switch. Generator was synchronized to the grid and reactor power ascension commenced at 1840 hours November 3.

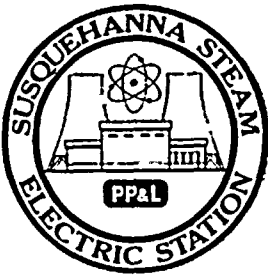
¹
 F: Forced
 S: Scheduled

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



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1988

DOCKET NO. 50-388
 UNIT NAME SSES Unit Two
 DATE 12/08/88
 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
12	881115	F	0	A	5	N/A	SJ	VIV	Reactor power was reduced to 70% commencing at 1123 hours November 15, 1988 so that the 'A' Feedwater String could be isolated for repairs to leaking vent valves. Repairs were completed and power assension commenced at 1200 hours November 17, 1988. At approximately 85% power level a leak was found on the continuous vent line for heater '3A'. Power was reduced to 70% level and repairs were made. Reactor reached 100% power level at 1920 hours November 18, 1988.

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 12/08/88

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

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

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UNIVERSITY OF CHICAGO



Pennsylvania Power & Light Company

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

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

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

DEC 15 1988

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-3125 FILE R41-2A

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

Dear Mr. McDonald:

The November 1988 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. F. I. Young - NRC Sr. Resident Inspector
Mr. M. C. Thadani - NRC Project Manager

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