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FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 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 Jul 1990 for Susquehanna Steam Electric Station. W/900815 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10
TITLE: Monthly Operating Report (per Tech Specs)

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

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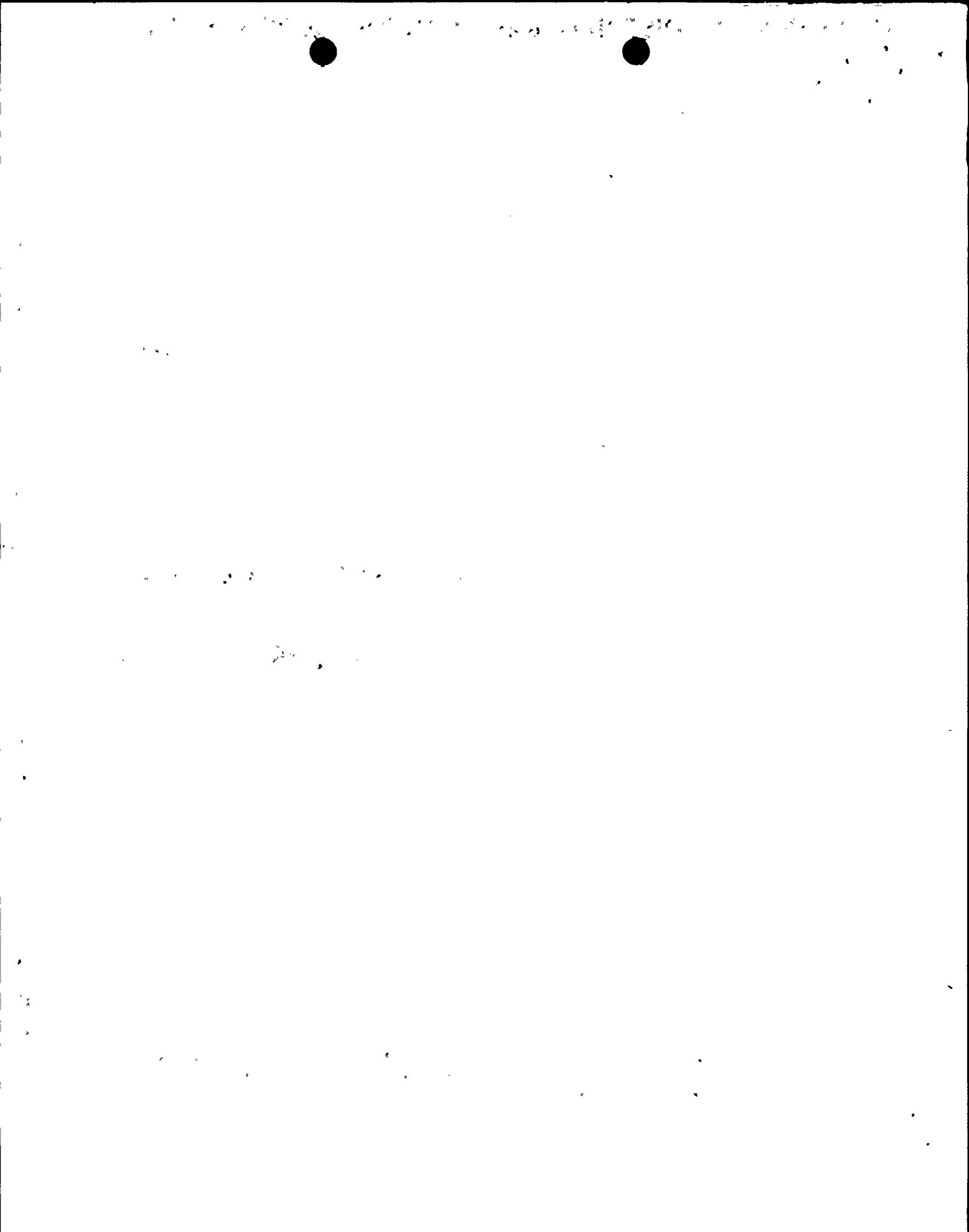
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Monthly Report

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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

AUG 15 1990

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-3427 FILE R41-2A

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

Dear Mr. McDonald:

The July 1990 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

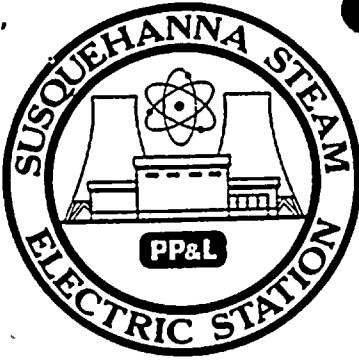
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AVERAGE DAILY UNIT POWER LEVEL

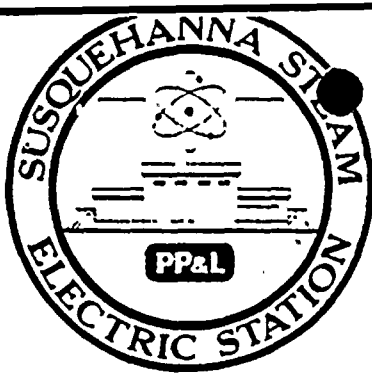
DOCKET NO. 50-387
UNIT One
DATE 8-7-90
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH July 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1030</u>	17	<u>1021</u>
2	<u>1032</u>	18	<u>1017</u>
3	<u>1029</u>	19	<u>1006</u>
4	<u>974</u>	20	<u>562</u>
5	<u>991</u>	21	<u>779</u>
6	<u>1029</u>	22	<u>1004</u>
7	<u>593</u>	23	<u>1015</u>
8	<u>690</u>	24	<u>1024</u>
9	<u>1004</u>	25	<u>1026</u>
10	<u>1024</u>	26	<u>1028</u>
11	<u>1035</u>	27	<u>1025</u>
12	<u>1037</u>	28	<u>1026</u>
13	<u>1035</u>	29	<u>1026</u>
14	<u>1029</u>	30	<u>1024</u>
15	<u>1015</u>	31	<u>1029</u>
16	<u>1023</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 8-7-90
 COMPLETED BY K.A. Young
 TELEPHONE (717)542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: July 1990
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

Notes

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

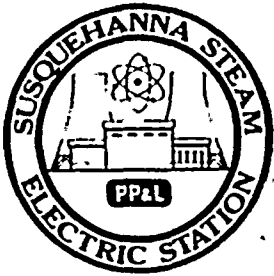
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5087	62,664
12. Number Of Hours Reactor Was Critical	744	4704.9	48,239.2
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	744	4607.5	47,208.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,357,122	14,682,137	147,852,783
17. Gross Electrical Energy Generated (MWH)	750,270	4,793,292	48,251,132
18. Net Electrical Energy Generated (MWH)	724,315	4,619,501	46,334,173
19. Unit Service Factor	100	90.6	75.3
20. Unit Availability Factor	100	90.6	75.3
21. Unit Capacity Factor (Using MDC Net)	94.3	87.9	71.6
22. Unit Capacity Factor (Using DER Net)	92.7	86.5	70.4
23. Unit Forced Outage Rate	0	5.2	9.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 1 is scheduled for its Fifth Refueling and Inspection Outage from
9-8-90 through 11-23-90

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 July 1990

DOCKET NO. 50-387
 UNIT NAME One
 DATE 8-7-90
 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
7	900707	S	0.0	B	5	N/A	SG	COND	Unit One commenced a power reduction for a partial maintenance outage at 0001 hours July 7. Condenser water boxes B,C,D were inspected and cleaned. Repairs were made to the "D" waterbox high pressure condenser inlet. Unit returned to full power level at 0700 hours July 9th.

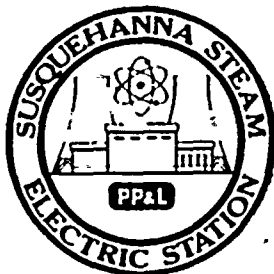
¹
 F: Forced
 S: Scheduled

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 July 1990

DOCKET NO. 50-387
 UNIT NAME One
 DATE 8-7-90
 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
8	900719	F	0.0	B	5	N/A	SG	COND	Unit One commenced a partial power reduction to perform forced outage investigations for condenser tube leaks at 2200 hours July 19. The "D" circ water loop was inspected, however, condenser tube leak could not be located. A manway gasket on "D" HP inlet waterbox was repaired. Control rod sequence exchange was completed and unit returned to full power level at 1014 hours July 22nd.

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
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 H-Other (Explain)

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 0161)

⁵
 Exhibit I - Same Source



SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387

Date July 1990

Completed by K.A. Young

Telephone (717) 542-3251

Challenges to Main Steam Safety Relief Valves

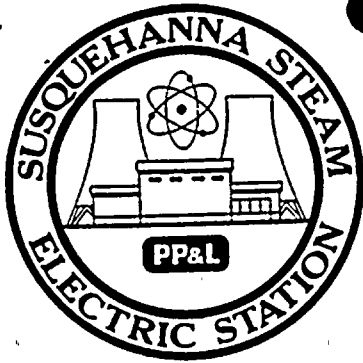
None

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 8-7-90

COMPLETED BY K.A. Young

TELEPHONE (717) 542-3251

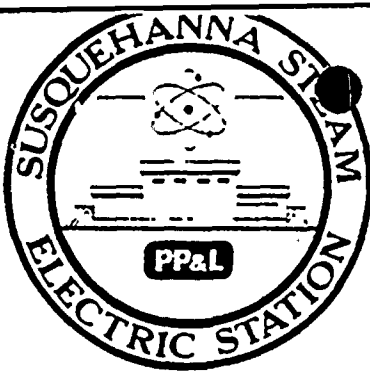
MONTH July 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1035</u>
2	<u>1040</u>
3	<u>1036</u>
4	<u>1025</u>
5	<u>1023</u>
6	<u>1038</u>
7	<u>1043</u>
8	<u>1036</u>
9	<u>1026</u>
10	<u>1032</u>
11	<u>1040</u>
12	<u>1042</u>
13	<u>1042</u>
14	<u>1037</u>
15	<u>1027</u>
16	<u>1035</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1033</u>
18	<u>1029</u>
19	<u>1026</u>
20	<u>1027</u>
21	<u>1032</u>
22	<u>1028</u>
23	<u>1025</u>
24	<u>1033</u>
25	<u>1033</u>
26	<u>1031</u>
27	<u>1031</u>
28	<u>905</u>
29	<u>1027</u>
30	<u>1029</u>
31	<u>1036</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 8-7-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: July 1990
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.

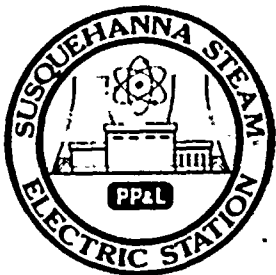
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5,087</u>	<u>47,903</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>4,547.0</u>	<u>39,212.3</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>744</u>	<u>4,507.9</u>	<u>38,403.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,445,856</u>	<u>14,676,262</u>	<u>121,484,237</u>
17. Gross Electrical Energy Generated (MWH)	<u>792,646</u>	<u>4,820,936</u>	<u>39,808,849</u>
18. Net Electrical Energy Generated (MWH)	<u>765,083</u>	<u>4,644,247</u>	<u>38,304,928</u>
19. Unit Service Factor	<u>100</u>	<u>88.6</u>	<u>80.2</u>
20. Unit Availability Factor	<u>100</u>	<u>88.6</u>	<u>80.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.1</u>	<u>87.9</u>	<u>77.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.9</u>	<u>87.0</u>	<u>76.2</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>8.7</u>	<u>6.9</u>

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	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1990

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 8-7-90
 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
									No report required for July.

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
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 H-Other (Explain)

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 Method:
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SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388

Date July 1990

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.