

**ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM**  
 REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8906200150      DOC. DATE: 89/05/31      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.  
 KEISER, H.W.      Pennsylvania Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for May 1989 for Susquehanna Steam Electric Station Units 1 & 2. W/890616 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  
           LPDR 1 cy Transcripts.      05000388

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD1-2 LA	4    4	PD1-2 PD	1    1
	THADANI, M	1    1		
INTERNAL:	ACRS	10   10	AEOD/DOA	1    1
	AEOD/DSP/TPAB	1    1	IRM TECH ADV	2    2
	NRR/DLPQ/PEB 10	1    1	NRR/DOEA/EAB 11	1    1
	NRR/DREP/RPB 10	1    1	NUDOCS-ABSTRACT	1    1
	<u>REG FILE 01</u>	1    1	RGN1	1    1
EXTERNAL:	EG&G SIMPSON, F	1    1	LPDR	1    1
	NRC PDR	1    1	NSIC	1    1
NOTES:		2    2		

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE!      CONTACT THE DOCUMENT CONTROL DESK,  
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION  
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR    32    ENCL    32

*mejh*

R  
I  
D  
S  
/  
A  
D  
D  
S  
  
R  
I  
D  
S  
/  
A  
D  
D  
S



**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

JUN 16 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-3210 FILE R41-2A

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

Dear Mr. McDonald:

The May 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

JE24  
1/L

8906200150 890531  
PDR ADDCK 05000387  
R PNU



• • •  
• • •

• • •  
• • •

• • •  
• • •

• • •

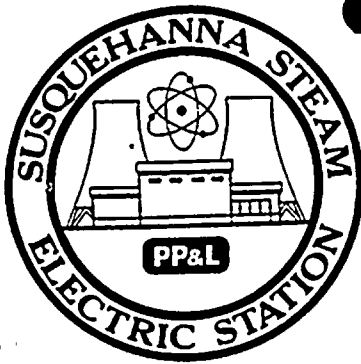
• • •

• • •  
• • •

• • •  
• • •

• • •

• • •



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387  
UNIT One  
DATE 6-5-89  
COMPLETED BY K.A. Young  
TELEPHONE (717) 542-3251

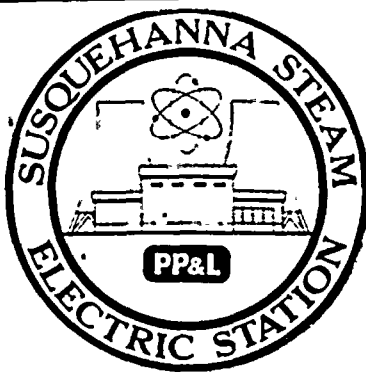
MONTH May 1989

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>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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 6-5-89  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: May, 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): 1068.5
7. Maximum Dependable Capacity (Net MWe): 1032

Notes

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

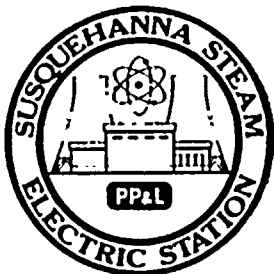
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3623</u>	<u>52,440</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>1,721.1</u>	<u>38662.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>0</u>	<u>1,640.5</u>	<u>37,793.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>5,179,220</u>	<u>117,782,731</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>1,705,432</u>	<u>38,429,292</u>
18. Net Electrical Energy Generated (MWH)	<u>-7,416</u>	<u>1,619,668</u>	<u>36,865,149</u>
19. Unit Service Factor	<u>0</u>	<u>45.3</u>	<u>72.1</u>
20. Unit Availability Factor	<u>0</u>	<u>45.3</u>	<u>72.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>43.3</u>	<u>68.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>42.6</u>	<u>67.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>22.3</u>	<u>10.3</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Unit One commenced its Fourth Refueling Outage on March 30, 1989.  
Breaker was closed on June 9, 1989.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 9, 1989
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>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1989

DOCKET NO. 50-387  
 UNIT NAME One  
 DATE 6-5-89  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

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
6	890330	S	744	C	4	N/A	XX	ZZZ	Unit One commenced its fourth refuel and inspection outage (4RIO) on March 30, 1989. Return to service date was June 9, 1989.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

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

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

<sup>5</sup>  
 Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

DOCKET NUMBER 50-387

Date 06/05/89

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

Challenges to Main Steam Safety Relief Valves

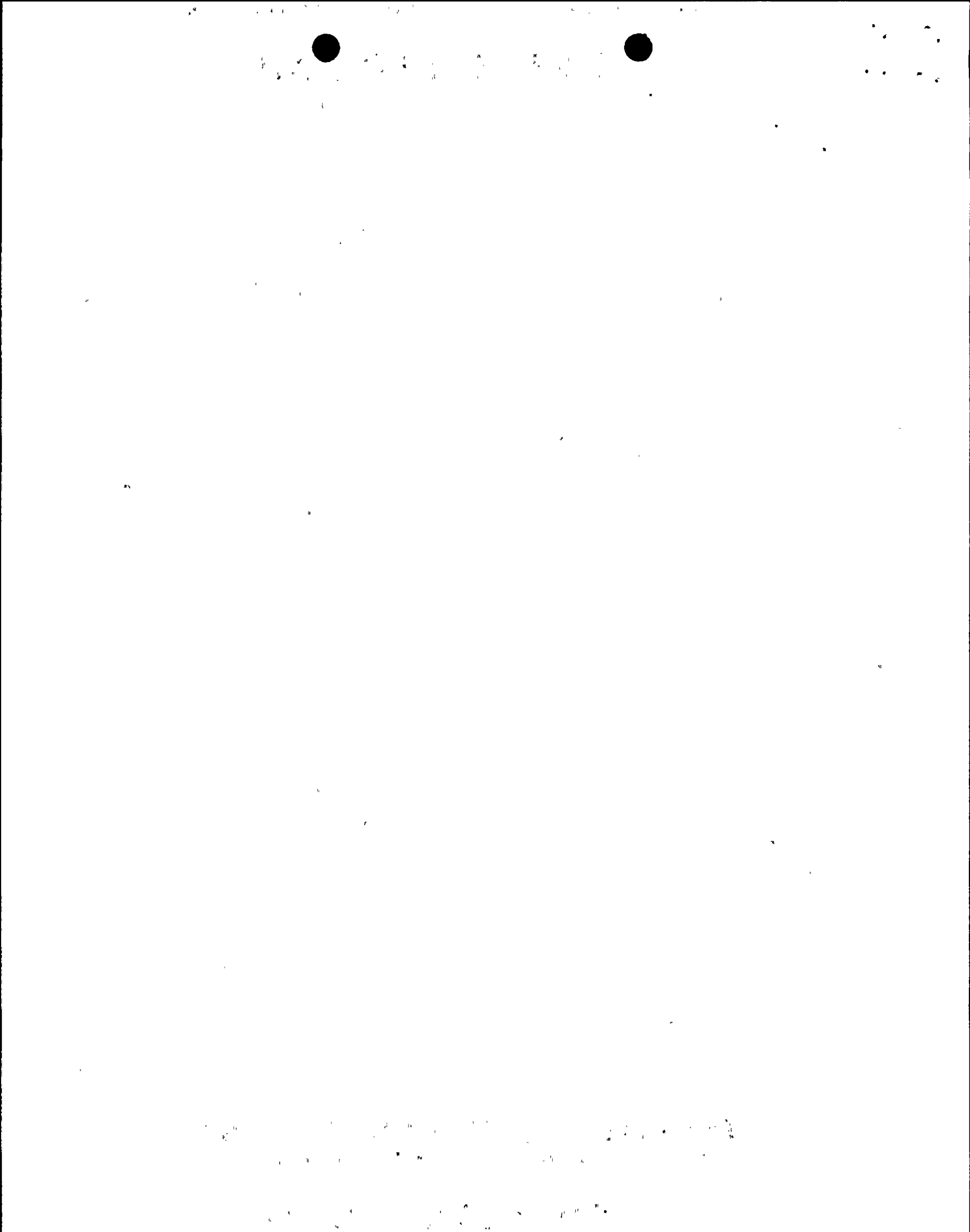
None

Changes to the Offsite Dose Calculation Manual

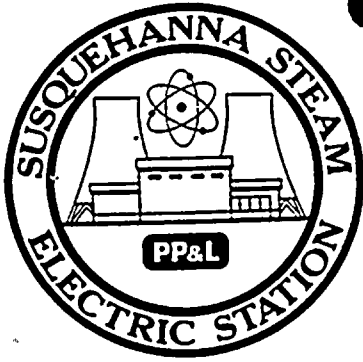
None

Major Changes to Radioactive Waste Treatment Systems

None







AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388  
 UNIT Two  
 DATE 6-5-89  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

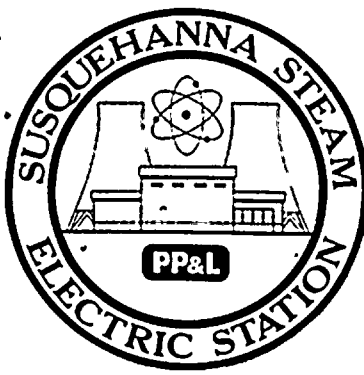
MONTH May 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1048
2	1052
3	1056
4	1053
5	1048
6	1048
7	1053
8	1050
9	1046
10	1050
11	1051
12	1053
13	1051
14	1045
15	1046
16	1046

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1042
18	1039
19	1035
20	1036
21	1039
22	1044
23	1047
24	1045
25	1041
26	1034
27	1042
28	1046
29	1044
30	1037
31	1031

**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 6-5-89  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: May 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): 1074.3
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

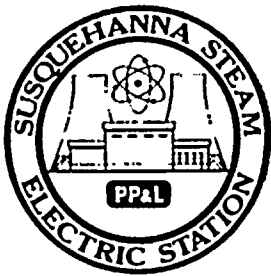
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	3623	37,679
12. Number Of Hours Reactor Was Critical	744	3,450.2	31,199.1
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	744	3,400.2	30,548.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,449,132	10,856,275	96,231,878
17. Gross Electrical Energy Generated (MWH)	805,414	3,587,558	31,534,387
18. Net Electrical Energy Generated (MWH)	777,578	3,459,107	30,349,168
19. Unit Service Factor	100.0	93.8	81.1
20. Unit Availability Factor	100.0	93.8	81.1
21. Unit Capacity Factor (Using MDC Net)	100.7	92.0	77.6
22. Unit Capacity Factor (Using DER Net)	99.5	90.9	76.7
23. Unit Forced Outage Rate	0	3.9	7.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Unit Two is scheduled for a refueling outage on September 9, 1989. Duration of this outage plan is eleven weeks.

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 May 1989

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 6-5-89  
 COMPLETED BY K.A. Young  
 TELEPHONE 717-542-3251

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 shutdowns or power reductions reportable for month of May, 1989									

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

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

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

<sup>5</sup>  
 Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 6/5/89

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

