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ACCESSION NBR: 9203190160      DOC. DATE: ~~92/02/29~~      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 Feb 1992 for Susquehanna Steam Electric Station W/920316 Ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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**Pennsylvania Power & Light Company**

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Harold W. Keiser  
Senior Vice President-Nuclear  
215/774-4194

**Submitted pursuant to  
Technical Specifications  
Section 6.9.1.6**

MAR 16 1992

U.S. Nuclear Regulatory Commission  
Attn.: Document Control Desk  
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**SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS  
PLA-3747 FILE R41-2A**

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

The February 1992 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

H. W. Keiser

Attachment

cc: NRC Region I  
Mr. G. S. Barber, NRC Resident Inspector  
Mr. J. J. Raleigh, NRC Project Manager

9203190160 920229  
PDR ADDOCK 05000387  
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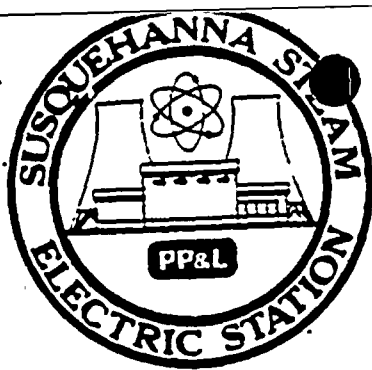
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387  
UNIT One  
DATE 3-4-92  
COMPLETED BY K.A. Young  
TELEPHONE (717)542-3251

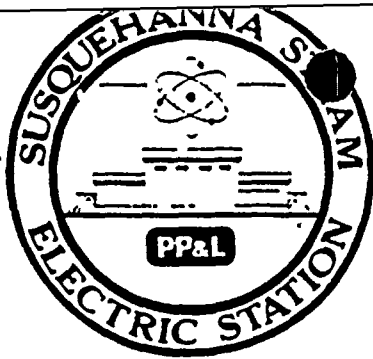
MONTH February 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1021</u>
2	<u>1019</u>
3	<u>1017</u>
4	<u>1013</u>
5	<u>1010</u>
6	<u>1007</u>
7	<u>1003</u>
8	<u>1000</u>
9	<u>998</u>
10	<u>996</u>
11	<u>991</u>
12	<u>990</u>
13	<u>986</u>
14	<u>982</u>
15	<u>978</u>
16	<u>975</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>976</u>
18	<u>971</u>
19	<u>967</u>
20	<u>967</u>
21	<u>964</u>
22	<u>962</u>
23	<u>957</u>
24	<u>956</u>
25	<u>893</u>
26	<u>612</u>
27	<u>609</u>
28	<u>608</u>
29	<u>610</u>
30	<u>        </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. 50-387  
 DATE 3-4-92  
 COMPLETED BY K.A. Young  
 TELEPHONE (717)542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: February 1992
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): 1078
7. Maximum Dependable Capacity (Net MWe): 1040
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

Notes

None

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

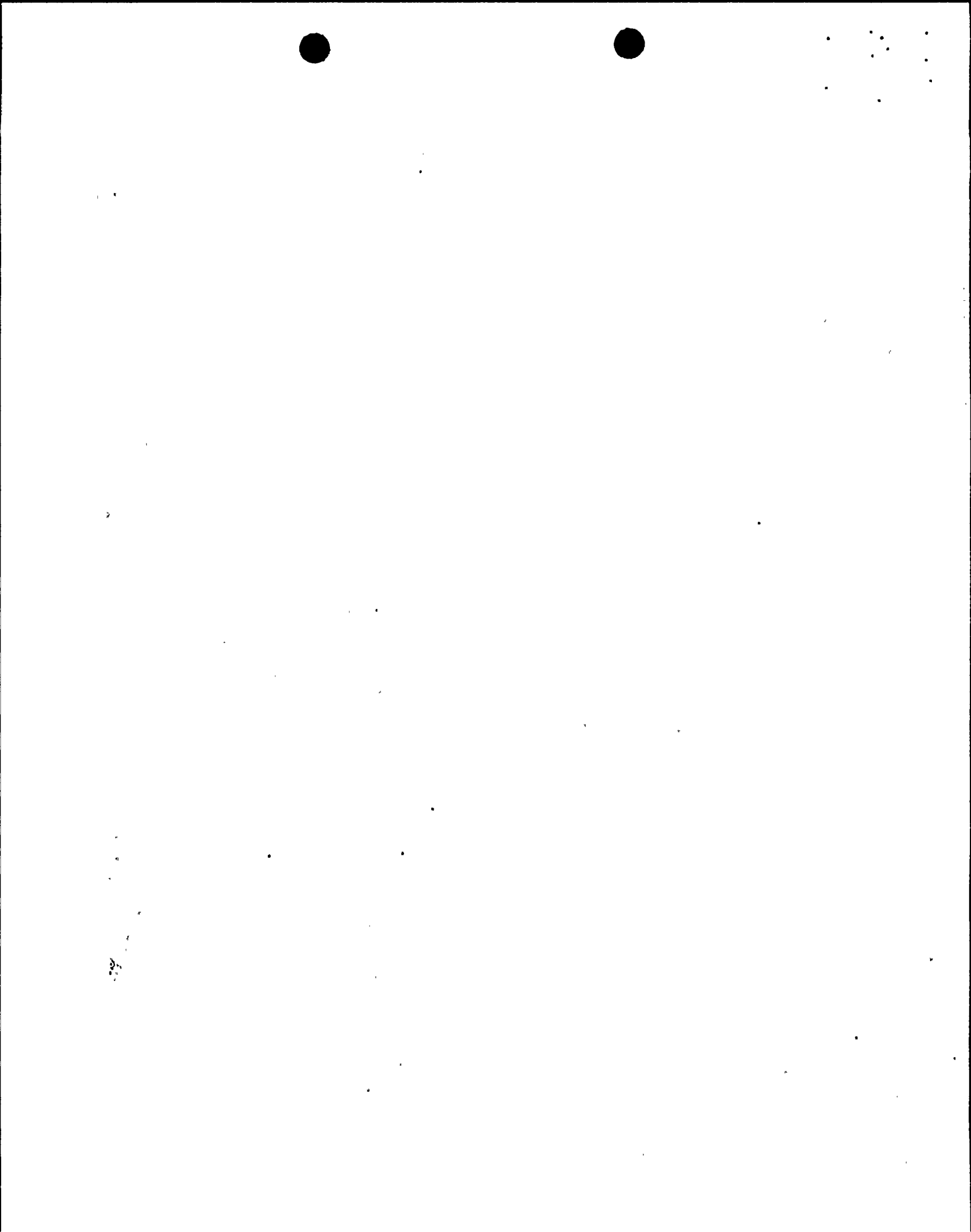
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>696</u>	<u>1440</u>	<u>76,537</u>
12. Number Of Hours Reactor Was Critical	<u>696</u>	<u>1440</u>	<u>60,365.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1032</u>
14. Hours Generator On-Line	<u>696</u>	<u>1440</u>	<u>59,168.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,038,868</u>	<u>4,443,831</u>	<u>185,956,792</u>
17. Gross Electrical Energy Generated (MWH)	<u>674,018</u>	<u>1,470,812</u>	<u>60,764,124</u>
18. Net Electrical Energy Generated (MWH)	<u>648,880</u>	<u>1,417,614</u>	<u>58,389,888</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>77.3</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>77.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>89.6</u>	<u>94.7</u>	<u>73.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>88.8</u>	<u>93.8</u>	<u>72.7</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>7.5</u>

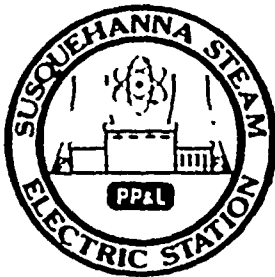
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refuel Outage, March 7, 1992 for 70 days.

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 February 1992

DOCKET NO. 50-387  
 UNIT NAME One  
 DATE 3-4-92  
 COMPLETED BY K.A. Young  
 TELEPHONE 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
2	920225	S	0.0	H	5	NA	XX	ZZZ	Unit One commenced a power reduction at 2000 hours on February 25 for Fuel conservation limitations. Reactor power level was restricted to 60% in order to keep the core exposure within core licensed window. Fuel depletion coastdown had initially commenced on January 23. Rx power remained at 60% level through the end of the month.

<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: March 4, 1992

Completed by K. A. Young

Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

None

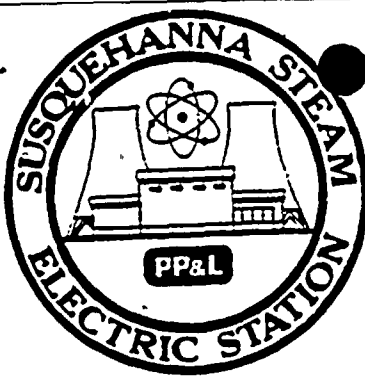
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None





AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388  
UNIT Two  
DATE 3-4-92  
COMPLETED BY K.A. Young  
TELEPHONE (717)542-3251

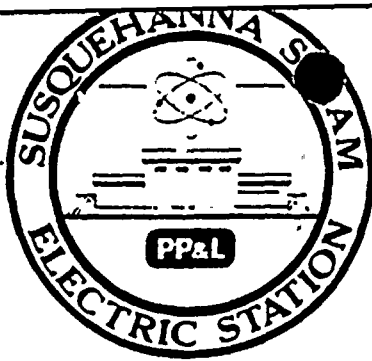
MONTH February 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>794</u>
2	<u>1049</u>
3	<u>653</u>
4	<u>794</u>
5	<u>1054</u>
6	<u>1062</u>
7	<u>1062</u>
8	<u>1062</u>
9	<u>1061</u>
10	<u>1061</u>
11	<u>1062</u>
12	<u>1063</u>
13	<u>1062</u>
14	<u>1061</u>
15	<u>1060</u>
16	<u>1058</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1060</u>
18	<u>1058</u>
19	<u>1058</u>
20	<u>1059</u>
21	<u>1061</u>
22	<u>1061</u>
23	<u>1059</u>
24	<u>1060</u>
25	<u>1060</u>
26	<u>1061</u>
27	<u>1060</u>
28	<u>1061</u>
29	<u>1062</u>
30	<u>          </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 3-4-92  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: February 1992
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): 1082
7. Maximum Dependable Capacity (Net MWe): 1044

Notes

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	<u>696</u>	<u>1,440</u>	<u>61,776</u>
12. Number Of Hours Reactor Was Critical	<u>696</u>	<u>1,440</u>	<u>51,421.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>696</u>	<u>1,440</u>	<u>50,436.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,229,059</u>	<u>4,680,780</u>	<u>160,043,715</u>
17. Gross Electrical Energy Generated (MWH)	<u>740,660</u>	<u>1,556,894</u>	<u>52,463,918</u>
18. Net Electrical Energy Generated (MWH)	<u>715,084</u>	<u>1,503,090</u>	<u>50,490,281</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>81.6</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>81.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.4</u>	<u>100</u>	<u>78.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.9</u>	<u>99.4</u>	<u>77.8</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>5.7</u>

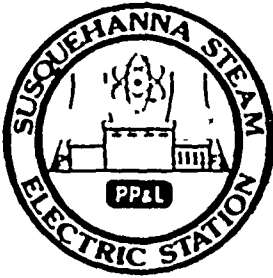
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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	_____	_____

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1992

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 3-4-92  
 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
1	920131	S	0.0	B	5	NA	XX	ZZZ	Unit Two commenced a power reduction at 2200 hours on January 31 for scheduled maintenance activities. Power level was reduced to as low as 43% for control rod sequence exchange and MG set brush change out. Scheduled maintenance activities were completed and unit returned to 100% power at 0800 hours on February 2.

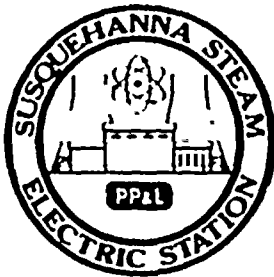
<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<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



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1992

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 3-4-92  
 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
2	920203	F	0.0	B	5	NA	SG	COND	Unit Two commenced a power reduction to 60% for schedule maintenance outage at 0150 hour February 3. Condenser tube leak investigations and tube plugging activities were conducted in two inlet water boxes. Unit remained at 60% power until 1000 hours February 4. Unit returned to full power at 0500 hours February 5.

<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:  
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 Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388

Date: March 4, 1992

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