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## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9306180181 DOC. DATE: ~~93/05/31~~ NOTARIZED: NO DOCKET #  
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.  
BYRAM, R.G. Pennsylvania Power & Light Co.  
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for May 1993 for SSES, Units 1 & 2. W/  
930614 ltr.

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

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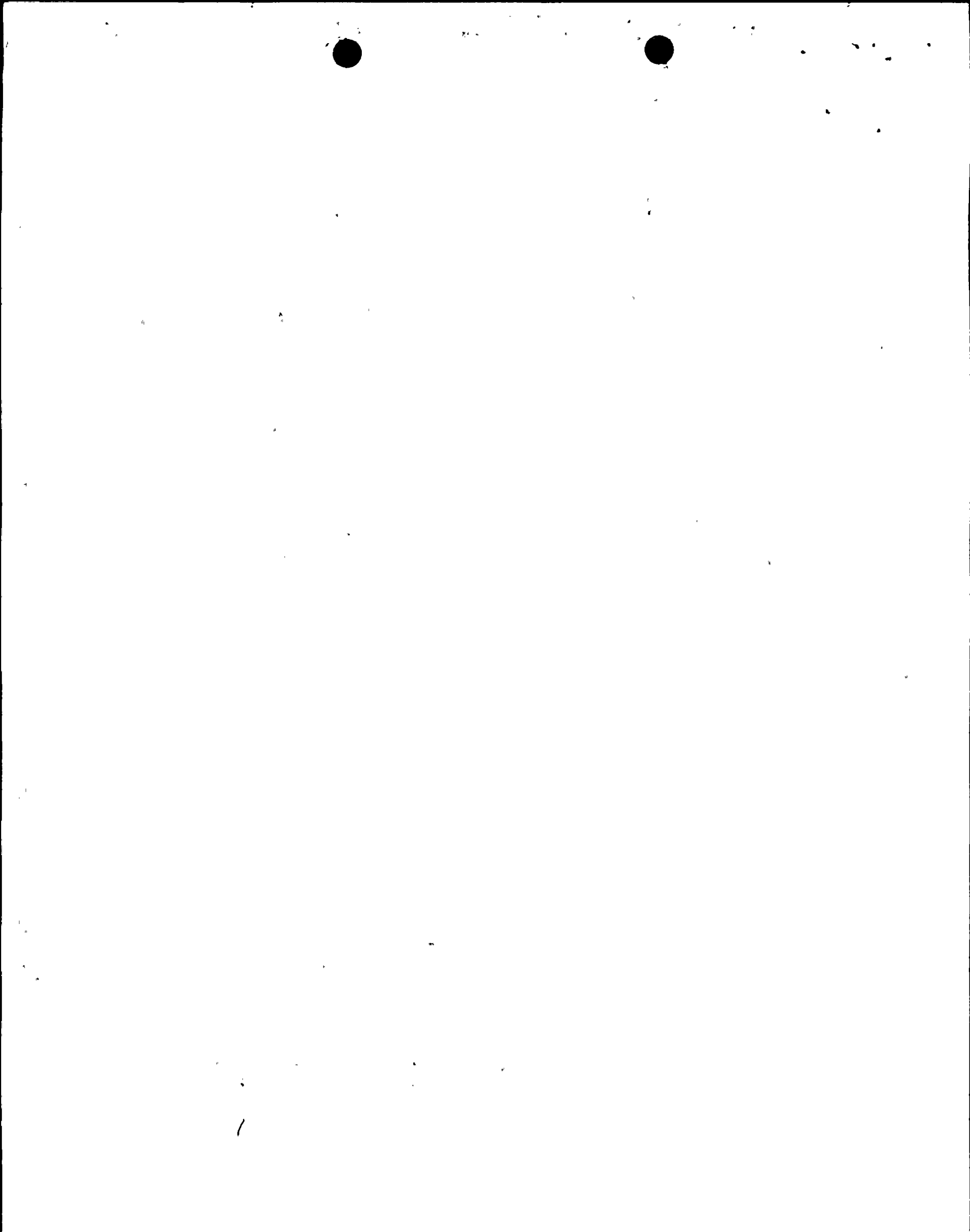
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Robert G. Byram  
Senior Vice President-Nuclear  
215/774-7502

Submitted pursuant to  
Technical Specifications  
Section 6.9.1.6

JUN 14 1993

U.S. Nuclear Regulatory Commission  
~~Attn.: Document Control Desk~~  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS  
PLA-3987 FILE R41-2A

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

The May 1993 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

R. G. Byram

Attachment

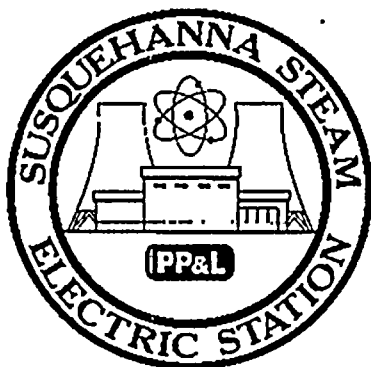
cc: NRC Region I  
Mr. G. S. Barber, NRC Resident Inspector  
Mr. R. J. Clark, NRC Sr. Project Manager

9306180181 930531  
PDR ADOCK 05000387  
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1000 2.1 1111

1000 2.1 1111

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387

UNIT: One

DATE: 06-4-93

COMPLETED BY: K.A. Young

TELEPHONE: (717)542-3251

MONTH May 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>863</u>
2	<u>1038</u>
3	<u>1035</u>
4	<u>1034</u>
5	<u>1031</u>
6	<u>1033</u>
7	<u>1037</u>
8	<u>1036</u>
9	<u>1029</u>
10	<u>1027</u>
11	<u>1016</u>
12	<u>1028</u>
13	<u>1040</u>
14	<u>1039</u>
15	<u>1029</u>
16	<u>1033</u>

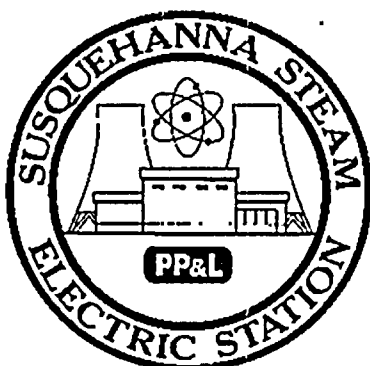
DAY AVERAGE DAILY POWER LEVEL  
(Mwe-Net)

17	<u>1040</u>
18	<u>1039</u>
19	<u>1038</u>
20	<u>1040</u>
21	<u>988</u>
22	<u>732</u>
23	<u>980</u>
24	<u>1027</u>
25	<u>1026</u>
26	<u>1038</u>
27	<u>1038</u>
28	<u>1012</u>
29	<u>1000</u>
30	<u>1040</u>
31	<u>1037</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: 06-4-93  
 COMPLETED BY: K.A. Young  
 TELEPHONE: (717) 542-3251

Notes

OPERATING STATUS

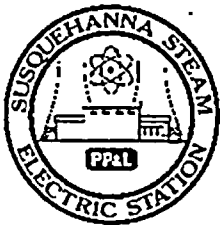
1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: May 1993
3. Licensed Thermal Power(MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1078
7. Maximum Dependable Capacity (Net MWe): 1040
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:  
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>744</u>	<u>3623</u>	<u>87,504</u>
12. Number of Hrs Reactor Was Critical	<u>744</u>	<u>3623</u>	<u>69,296.2</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1032</u>
14. Hours Generator On-Line	<u>744</u>	<u>3623</u>	<u>67,921.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated(MWH)	<u>2,394,277</u>	<u>11,658,328</u>	<u>213,455,993</u>
17. Gross Electrical Energy Generated (MWH)	<u>780,250</u>	<u>3,832,298</u>	<u>69,778,178</u>
18. Net Electric Energy Generated (MWH)	<u>754,115</u>	<u>3,703,704</u>	<u>67,069,493</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>77.6</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>77.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.5</u>	<u>98.3</u>	<u>73.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.5</u>	<u>97.4</u>	<u>73.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>7.2</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	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1993

DOCKET NO. 50-387  
 UNIT NAME One  
 DATE 06-4-93  
 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
7	930521	S	0.0	B	5	N/A	XX	ZZZ	Unit One commenced a power reduction at 2030 hours May 21 for scheduled Maintenance. Power level was reduced to as low as 55% for control rod sequence exchange. Maintenance activities performed included: cleaning condenser water boxes, main turbine bypass valve investigations, main steam line thermography mapping, and steam seal evaporator steam supply investigations. Unit returned to 100% power at 1500 hours on May 23.

F: Forced  
 S: Scheduled

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)

Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation  
 from previous month  
 5-Reduction  
 9-Other

Exhibit G-Instructions for preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

Exhibit I-Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: 06-4-93

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

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

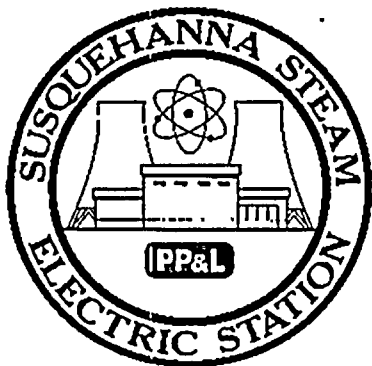
None.

Major Changes to Radioactive Waste Treatment Systems

None.



AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 06-4-93

COMPLETED BY: K.A. Young

TELEPHONE: (717)542-3251

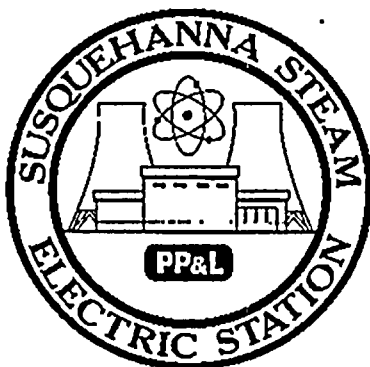
MONTH May 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	<u>1047</u>	17	<u>1054</u>
2	<u>1047</u>	18	<u>962</u>
3	<u>1050</u>	19	<u>898</u>
4	<u>1047</u>	20	<u>1049</u>
5	<u>1041</u>	21	<u>1055</u>
6	<u>1044</u>	22	<u>1055</u>
7	<u>1051</u>	23	<u>1052</u>
8	<u>1051</u>	24	<u>1045</u>
9	<u>1042</u>	25	<u>1042</u>
10	<u>1039</u>	26	<u>1050</u>
11	<u>1033</u>	27	<u>1050</u>
12	<u>1040</u>	28	<u>1042</u>
13	<u>1054</u>	29	<u>1047</u>
14	<u>1046</u>	30	<u>1052</u>
15	<u>623</u>	31	<u>1048</u>
16	<u>1027</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: 06-4-93  
 COMPLETED BY: K.A. Young  
 TELEPHONE: (717) 542-3251

Notes

**OPERATING STATUS**

1. Unit Name: Susquehanna Steam Electric Station (Unit 2)
2. Reporting Period: May 1993
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

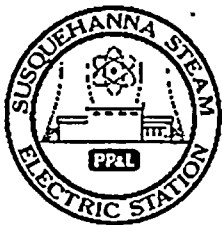
N/A

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>72,743</u>
12. Number of Hrs Reactor Was Critical	<u>744</u>	<u>3,498.9</u>	<u>60,736.3</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>3,437.1</u>	<u>59,554.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,397,549</u>	<u>11,109,034</u>	<u>189,101,493</u>
17. Gross Electrical Energy Generated (MWH)	<u>788,320</u>	<u>3,692,301</u>	<u>62,058,035</u>
18. Net Electric Energy Generated (MWH)	<u>762,733</u>	<u>3,566,393</u>	<u>59,733,707</u>
19. Unit Service Factor	<u>100</u>	<u>94.9</u>	<u>81.9</u>
20. Unit Availability Factor	<u>100</u>	<u>94.9</u>	<u>81.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.2</u>	<u>94.3</u>	<u>78.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.6</u>	<u>93.8</u>	<u>78.2</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>5.1</u>	<u>5.4</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	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1993

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 06-4-93  
 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
4	930514	S	0.0	B	5	NA	XX	ZZZ	Unit Two commenced a power reduction at 2000 hours May 14 for scheduled maintenance. Power level was reduced to as low as 35% for control rod sequence exchange and Rx Recirc M/G set brush changeout. Maintenance activities performed included: cleaning condenser water boxes, feedwater flow checks, feedwater heater valve repairs and checking moisture separator drain tank level response. Unit returned to 100% power at 1000 hours May 16.

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: 06-4-93

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.