

**PRIORITY 1**  
(ACCELERATED RIDS PROCESSING)

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ACCESSION NBR: 9501230311      DOC. DATE: 94/12/31      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  
 BALL, R.S.      Pennsylvania Power & Light Co.  
 BYRAM, R.G.      Pennsylvania Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Dec 1994 for SSES Units 1 & 2.  
 W/950117 ltr.

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NOTES: 05000387

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**Pennsylvania Power & Light Company**

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Robert G. Byram  
Senior Vice President—Nuclear  
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JAN 17 1995

Submitted pursuant to  
Technical Specifications  
Section 6.9.1.6

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

SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS  
PLA-4246 FILE R41-2A

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

The December 1994 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

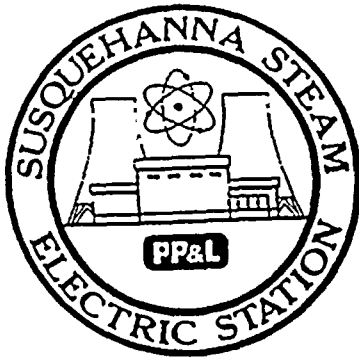
R. G. Byram

Attachment

cc: NRC Region I  
Ms. M. Banerjee, NRC Sr. Resident Inspector  
Mr. C. Poslusny, Jr., NRC Sr. Project Manager

9501230311 941231  
PDR ADDCK 05000387  
R PDR

*JE24*



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 1-10-95

COMPLETED BY R.S. Ball

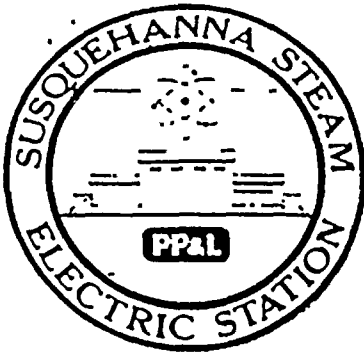
TELEPHONE (717)542-3453

MONTH December 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1054</u>	17	<u>680</u>
2	<u>1058</u>	18	<u>1047</u>
3	<u>1058</u>	19	<u>1058</u>
4	<u>1055</u>	20	<u>1058</u>
5	<u>1048</u>	21	<u>1057</u>
6	<u>1049</u>	22	<u>1056</u>
7	<u>1056</u>	23	<u>1056</u>
8	<u>1061</u>	24	<u>1056</u>
9	<u>1059</u>	25	<u>1057</u>
10	<u>1057</u>	26	<u>1057</u>
11	<u>1057</u>	27	<u>1058</u>
12	<u>1060</u>	28	<u>1056</u>
13	<u>1056</u>	29	<u>1057</u>
14	<u>1056</u>	30	<u>1058</u>
15	<u>1058</u>	31	<u>1056</u>
16	<u>1007</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 1-10-95  
 COMPLETED BY R. S. Ball  
 TELEPHONE (717)542-3453

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: December 1994
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:  
N/A

Notes

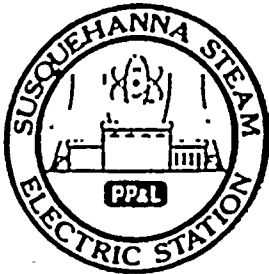
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8,760</u>	<u>101,401</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>8292.4</u>	<u>79,240.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1032</u>
14. Hours Generator On-Line	<u>744</u>	<u>8249.6</u>	<u>77,754.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,421,800</u>	<u>26,671,352</u>	<u>245,157,870</u>
17. Gross Electrical Energy Generated (MWH)	<u>802,852</u>	<u>8,728,886</u>	<u>80,103,220</u>
18. Net Electrical Energy Generated (MWH)	<u>775,577</u>	<u>8,414,452</u>	<u>76,976,960</u>
19. Unit Service Factor	<u>100.0</u>	<u>94.2</u>	<u>76.7</u>
20. Unit Availability Factor	<u>100.0</u>	<u>94.2</u>	<u>76.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.2</u>	<u>92.4</u>	<u>73.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.3</u>	<u>91.5</u>	<u>72.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>7.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling Outage to commence 3/25/95 with an estimated duration of  
50 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
Page 1 of 1		
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1994

DOCKET NO. 30-387  
 UNIT NAME One  
 DATE 1-10-95  
 COMPLETED BY R.S.Ball  
 TELEPHONE (717)542-3453

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
9	941216	S	0.0	B	5	N/A	XX	ZZZ	Unit 1 commenced a power reduction to as low as 46% power at 2340 hours December 16 to perform a Control Rod Sequence Exchange. Other work performed during the downpower was Reactor Recirc MG Set Brush Changeout and Scram Time Testing. Upon completion of the work, reactor power increase commenced at 0940 hours December 17. The Unit reached 100% power at 0730 hours December 18.

<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



2

148

20

22

248

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: 1-10-95

Completed by: R. S. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

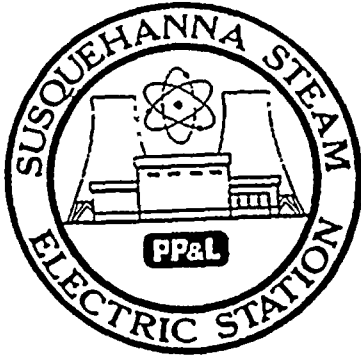
None.

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 1-10-95  
 COMPLETED BY R.S. Ball  
 TELEPHONE (717)542-3453

MONTH December 1994

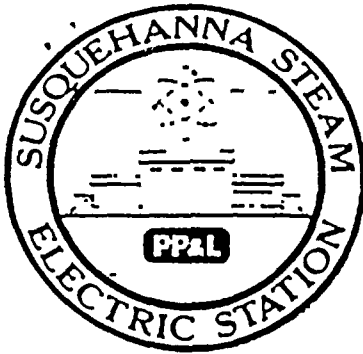
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1110	17	1109
2	1074	18	1109
3	1056	19	1110
4	1105	20	1110
5	1101	21	1110
6	1101	22	1110
7	1105	23	1109
8	1109	24	1106
9	1108	25	1108
10	1109	26	1108
11	1107	27	1108
12	1109	28	1108
13	1108	29	1109
14	1111	30	1110
15	1110	31	1074
16	1111		

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 1-10-95  
 COMPLETED BY R.S. Ball  
 TELEPHONE (717) 542-3453

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station(U2)
2. Reporting Period: December 1994
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1168
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1132
7. Maximum Dependable Capacity (Net MWe): 1094
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>744</u>	<u>8760</u>	<u>86,640</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>6673.8</u>	<u>72,186.9</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>6,579.0</u>	<u>70,790.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,549,705</u>	<u>21,715,080</u>	<u>226,042,710</u>
17. Gross Electrical Energy Generated (MWH)	<u>850,134</u>	<u>7,165,017</u>	<u>74,174,784</u>
18. Net Electrical Energy Generated (MWH)	<u>821,586</u>	<u>6,895,720</u>	<u>71,400,896</u>
19. Unit Service Factor	<u>100.0</u>	<u>75.1</u>	<u>81.7</u>
20. Unit Availability Factor	<u>100.0</u>	<u>75.1</u>	<u>81.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.9</u>	<u>72.8</u>	<u>78.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.4</u>	<u>72.4</u>	<u>78.2</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0.8</u>	<u>5.3</u>

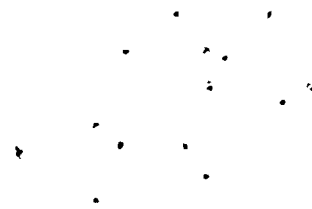
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

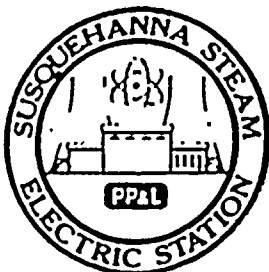
25. If Shut Down At End Of Report Period, Estimated Date of Startup:

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
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INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____





UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1994

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 1-10-95  
 COMPLETED BY R. S. Ball  
 TELEPHONE (717) 542-3453

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 report required this 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 50-388 Date: 1-10-95

Completed by: R. S. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None

