

PRIORITY 1
(ACCELERATED RIDS PROCESSING)

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9410210155 DOC. DATE: 94/09/30 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388
 AUTH. NAME AUTHOR AFFILIATION
 BALL, B. Pennsylvania Power & Light Co.
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1994 for Susquehanna Steam Electric Station. W/941014 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: 05000387

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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 610/774-5151

Robert G. Byram
Senior Vice President—Nuclear
610/774-7502
Fax: 610/774-5019

OCT 14 1994

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

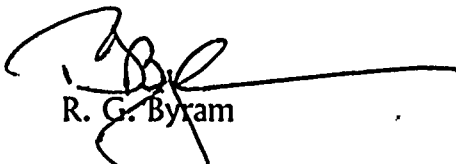
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SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-4207 FILE R41-2A

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

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

Very truly yours,


R. G. Byram
Attachment

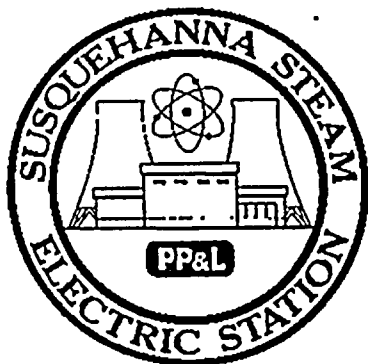
cc: NRC Region I
Ms. M. Banerjee, NRC Sr. Resident Inspector
Mr. C. Poslusny, Jr., NRC Sr. Project Manager

210080

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11

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387

UNIT: One

DATE: 10-11-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

MONTH September 1994

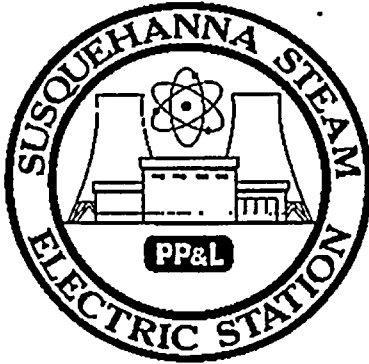
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1036</u>
2	<u>1004</u>
3	<u>1001</u>
4	<u>1050</u>
5	<u>1018</u>
6	<u>1050</u>
7	<u>1047</u>
8	<u>1047</u>
9	<u>1014</u>
10	<u>602</u>
11	<u>976</u>
12	<u>1049</u>
13	<u>1040</u>
14	<u>1035</u>
15	<u>1040</u>
16	<u>1034</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1034</u>
18	<u>1045</u>
19	<u>1049</u>
20	<u>1048</u>
21	<u>1045</u>
22	<u>1045</u>
23	<u>1044</u>
24	<u>1042</u>
25	<u>1038</u>
26	<u>1036</u>
27	<u>1038</u>
28	<u>1047</u>
29	<u>1050</u>
30	<u>1051</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: 10-11-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: September 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

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

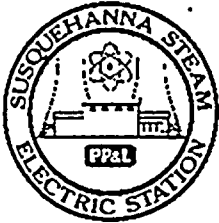
	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>6,551</u>	<u>99,192</u>
12. Number of Hrs Reactor Was Critical	<u>720</u>	<u>6083.4</u>	<u>77,031.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>720</u>	<u>6040.6</u>	<u>75,545.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated(MWH)	<u>2,325,577</u>	<u>19,504,749</u>	<u>237,991,267</u>
17. Gross Electrical Energy Generated (MWH)	<u>762,346</u>	<u>6,331,122</u>	<u>77,705,456</u>
18. Net Electric Energy Generated (MWH)	<u>735,646</u>	<u>6,098,810</u>	<u>74,661,318</u>
19. Unit Service Factor	<u>100.0</u>	<u>92.2</u>	<u>76.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>92.2</u>	<u>76.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.2</u>	<u>89.5</u>	<u>72.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.3</u>	<u>88.7</u>	<u>71.7</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>7.9</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)
Refueling outage scheduled to commence on 3/25/95, with an estimated duration
of 68 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 September 1994

DOCKET NO. 50-387
 UNIT NAME One
 DATE 10-11-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

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	940901	F	0.0	B	5	N/A	SK	ZZZ	Unit 1 commenced a power reduction to 80% power at 2300 hours September 1 to investigate high vibration on the "A" RFP. The vibration probe was replaced and the RFPT returned to service at 0140 hours September 2. Power was held at 80% due to a PCC Minimum Generation alert until 0400 hours September 2. The Unit reached 100% at 0430 hours September 2.

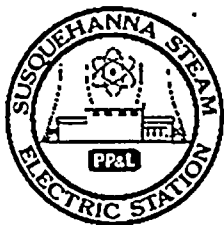
³
 F: Forced
 S: Scheduled

⁴
 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)

⁵
 Exhibit I-Same Source



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1994

DOCKET NO. 50-387
 UNIT NAME One
 DATE 10-11-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

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	940902	F	0.0	B	5	N/A	SK	ZZZ	Unit 1 reduced power to 80% at 2327 hours September 2 to repair a vibration probe on the "A" RFP. Following successful completion of the repairs the Unit reached 100% power at 0537 hours September 3.

3

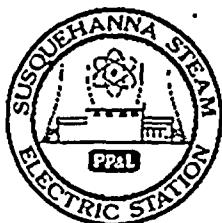
F: Forced
 S: Scheduled

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)

5
 Exhibit I-Same Source



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1994

DOCKET NO. 50-387
 UNIT NAME One
 DATE 10-11-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

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
9	940909	S	0.0	B	5	N/A	XX	ZZZ	Unit 1 commenced a power reduction to as low as 35% at 2155 hours September 9 to perform a Control Rod Sequence exchange and Reactor Recirc MG Set Brush changeout. Other work accomplished during downpower included Control Rod Scram Timing and installation of a bypass on "A" and "C" FW heaters. Power increase commenced at 0908 hours September 11. The Unit reached 100% power at 1715 hours September 11.

3
 F: Forced
 S: Scheduled

4
 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)

5
 Exhibit I-Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: 10-11-94

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

Challenges to Main Steam Safety Relief Valves

None.

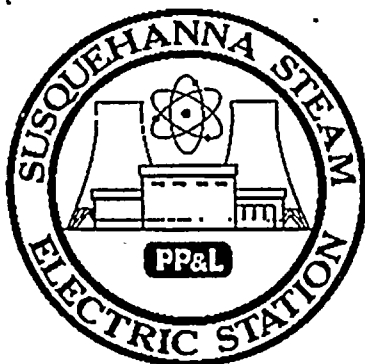
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 10-11-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

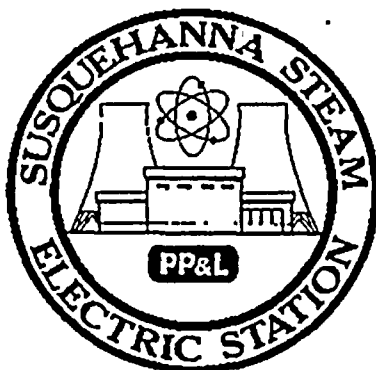
MONTH September 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	<u>1095</u>	17	<u>1089</u>
2	<u>1104</u>	18	<u>1099</u>
3	<u>1105</u>	19	<u>1103</u>
4	<u>1103</u>	20	<u>1103</u>
5	<u>1064</u>	21	<u>1099</u>
6	<u>1103</u>	22	<u>1099</u>
7	<u>1099</u>	23	<u>1099</u>
8	<u>1098</u>	24	<u>1098</u>
9	<u>1097</u>	25	<u>1093</u>
10	<u>1103</u>	26	<u>1092</u>
11	<u>1104</u>	27	<u>1094</u>
12	<u>1101</u>	28	<u>1104</u>
13	<u>1096</u>	29	<u>1106</u>
14	<u>1091</u>	30	<u>1100</u>
15	<u>1092</u>	31	<u> </u>
16	<u>1088</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: 10-11-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

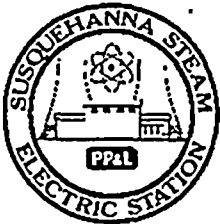
1. Unit Name: Susquehanna Steam Electric Station (Unit 2)
2. Reporting Period: September 1994
3. Licensed Thermal Power(MWt): 3441
4. Nameplate Rating (Gross MWe): 1168
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1132
7. Maximum Dependable Capacity (Net MWe): 1094
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: 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>720</u>	<u>6,551</u>	<u>84,431</u>
12. Number of Hrs Reactor Was Critical	<u>720</u>	<u>4,464.8</u>	<u>69,977.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>720</u>	<u>4370.0</u>	<u>68,581.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated(MWH)	<u>2,470,726</u>	<u>13,953,827</u>	<u>218,281,457</u>
17. Gross Electrical Energy Generated (MWH)	<u>817,244</u>	<u>4,654,791</u>	<u>71,664,558</u>
18. Net Electric Energy Generated (MWH)	<u>790,244</u>	<u>4,469,171</u>	<u>68,974,347</u>
19. Unit Service Factor	<u>100.0</u>	<u>66.7</u>	<u>81.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>66.7</u>	<u>81.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.3</u>	<u>63.5</u>	<u>78.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.8</u>	<u>63.1</u>	<u>77.7</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>1.3</u>	<u>5.4</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)	<u>None.</u>		

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 September 1994

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 10-10-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

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 this month.

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 50-388 Date: 10-11-94

Completed by B. 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.