

CATEGORY 1

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9609240164 DOC. DATE: 96/08/31 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
 YOUNG, K.A. Pennsylvania Power & Light Co.
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1996 for Susquehanna Steam Electric Station, Unit 1 & 2. W/960916 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

SEP 16 1996

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

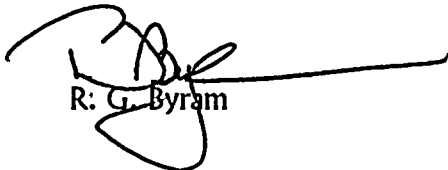
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SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-4507 FILE R41-2A

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

The August 1996 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



R: G. Byram

Attachment

copy: NRC Region I
Mr. K. Jenison, NRC Sr. Resident Inspector
Mr. C. Poslusny, Jr., NRC Sr. Project Manager

830071

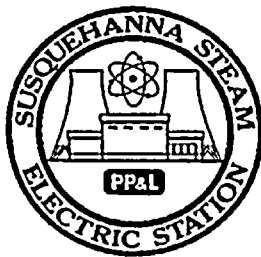
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AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387
 UNIT One
 DATE 09-09-96
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

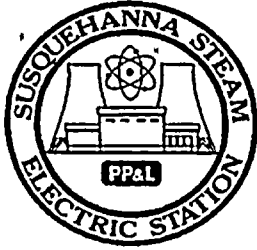
MONTH August 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	231	17.	804
2.	0	18.	919
3.	0	19.	1053
4.	0	20.	1033
5.	38	21.	1014
6.	588	22.	1025
7.	946	23.	1020
8.	1031	24.	1018
9.	906	25.	1017
10.	796	26.	1011
11.	809	27.	1003
12.	811	28.	1001
13.	807	29.	998
14.	802	30.	997
15.	794	31.	994
16.	799		

INSTRUCTION:

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
 UNIT One
 DATE 09/09/96
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

NOTES

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: August 1996
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1165
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1128
7. Maximum Dependable Capacity (Net MWe): 1090
8. If changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:
NONE

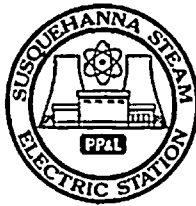
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	744	5,855	116,016
12. Number of Hours Reactor Was Critical	663.7	5,774.7	92,191,731
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	641.1	5,752.1	90,635.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,863,643	19,170,554	287,547,743
17. Gross Electrical Energy Generated (MWH)	606,396	6,345,909	94,167,275
18. Net Electrical Energy Generated (MWH)	580,614	6,119,898	90,522,501
19. Unit Service Factor	86.2	98.2	78.1
20. Unit Availability Factor	86.2	98.2	78.1
21. Unit Capacity Factor (Using MDC Net)	71.6	95.9	74.6
22. Unit Capacity Factor (Using DER Net)	71.0	95.0	73.9
23. Unit Forced Outage Rate	13.8	1.8	6.8

24. Shut Down Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
9th Refuel Outage: start September 7, 1996; duration 36 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

DOCKET NO. 50-387
 UNIT One
 DATE 09/09/96
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

REPORT MONTH August 1996

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	960801	F	102.9	H	3	96-006-00	TA	VIS	Unit One experienced an autoscam at 0533 hours August 1 due to a turbine trip. Turbine trip was caused by a false spurious signal from Turbine #1 bearing vibration instrumentation loop. Components were replaced that most likely contributed to this spurious signal. Unit was synchronized to the grid at 1230 hours August 5 and reached 100% power at 1200 hours August 8.
8	960809	F	0.0	H	5	N/A	SK	VIS	Unit one reduced power to 75% at 900 hours August 9, when a feedwater pump was shutdown for high turbine vibrations. Troubleshooting activities and repairs were completed at 1300 hours August 18. Unit reached 100% power at 1900 hours August 18.

- | | | | | |
|--|--|---|--|--------------------------------------|
| 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: 50-387

Date: 09/09/96

Completed by: K. A. Young

Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

During autoscam at 0533 hours August 1, five main steam Safety Relief Valves (SRV) lifted. Autoscam was initiated by a main turbine trip on high vibration. Challenges to SRV's occurred per design with 5 of 6 ADS valves opening.

<u>VALVE</u>	<u>TIMES OPEN</u>	<u>DURATION OF OPEN</u>
PSV 141F013L	1	7.5 sec.
PSV 141F013N	6	.9/1.15/.05/1.3/.65/and 1 sec.
PSV 141F013G	1	.04 sec.
PSV 141F013K	1	7 sec.
PSV 141F013M	1	6.5 sec.

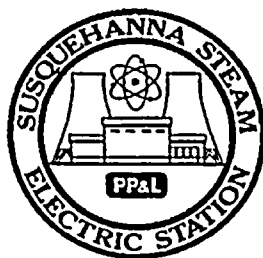
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment System

None.

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-388
 UNIT Two
 DATE 09/09/96
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

MONTH August 1996

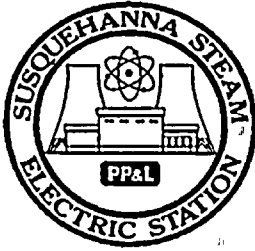
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	0
2.	238
3.	861
4.	992
5.	962
6.	1088
7.	1088
8.	1089
9.	1092
10.	1097
11.	1081
12.	1097
13.	1096
14.	1094
15.	1089
16.	1093

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	1093
18.	1094
19.	1093
20.	1089
21.	1089
22.	1088
23.	1087
24.	1090
25.	1093
26.	1092
27.	1090
28.	1091
29.	1094
30.	1094
31.	1095

INSTRUCTION:

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
 UNIT Two
 DATE 09/09/96
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

NOTES:

OPERATING STATUS

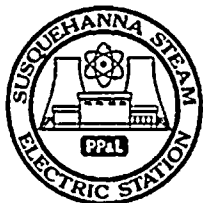
1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: August 1996
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1168
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1132
7. Maximum Dependable Capacity (Net MWe): 1094
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	744	5,855	101,255
12. Number of Hours Reactor Was Critical	744	5,465.4	85,429.0
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	720.3	5,417.3	83,900.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,376,475	18,390,841	27,476,727
17. Gross Electrical Energy Generated (MWH)	780,906	6,125,697	88,794,943
18. Net Electrical Energy Generated (MWH)	753,828	5,910,986	85,504,627
19. Unit Service Factor	96.8	92.5	82.9
20. Unit Availability Factor	96.8	92.5	82.9
21. Unit Capacity Factor (Using MDC Net)	92.6	92.3	80.1
22. Unit Capacity Factor (Using DER Net)	92.1	91.8	79.6
23. Unit Forced Outage Rate	3.2	7.5	5.1
24. Shut Down Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>NONE</u>			

11. If Shut Down at End of Report Period, Estimated Date of Startup: unit startup commenced 2343 hours 08/01/96
12. Units in Test Status (Prior to Commercial Operation):

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

UNIT SHUTDOWNS AND POWER REDUCTIONS



DOCKET NO. 50-388
 UNIT Two
 DATE 09/09/96
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

REPORT MONTH August 1996

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
4	96071 4	F	23.7	H	2	96-004-00	EB	CBL1	At 1801 hours on July 14, 1996, the Unit 2 Reactor was manually scrammed when all feedwater was lost. During post maintenance testing of TIE BUS 0A107, power was lost to Auxiliary Bus 12A. Forced outage maintenance activities were completed, and unit returned to service at 2343 hours, August 1. Power ascension schedule was completed at 0300 hours, August 6.

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: 09/09/96

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 System

None.

