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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
HIRT,J.A. Pennsylvania Power & Light Co.
KEISER,H.W. Pennsylvania Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Aug 1988.W/880915 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 11
TITLE: Monthly Operating Report (per Tech Specs)

NOTES:LPDR 2 cys Transcripts. 05000387
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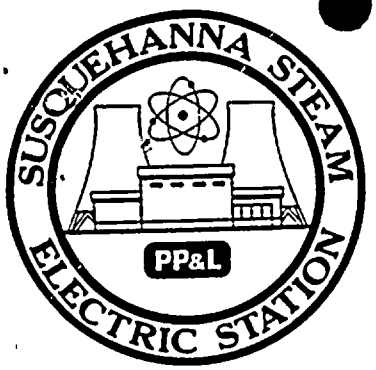


AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
UNIT One
DATE 09/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717) 542-3917

MONTH August, 1988

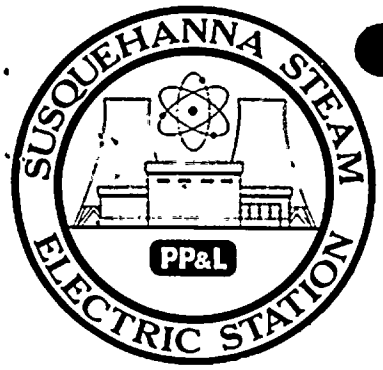
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1,029	17	1,035
2	1,025	18	1,038
3	1,023	19	1,044
4	1,024	20	1,043
5	1,026	21	1,041
6	1,027	22	1,048
7	1,030	23	1,045
8	1,034	24	1,040
9	1,030	25	1,041
10	1,025	26	1,041
11	1,016	27	1,036
12	1,013	28	1,027
13	1,007	29	1,036
14	1,001	30	1,046
15	1,017	31	1,045
16	1,036		

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.

(9/77)

IE24
1/1



OPERATING DATA REPORT

DOCKET NO. 50-387
DATE 09/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717)542-3917

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: August, 1988
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): 1068.5
7. Maximum Dependable Capacity (Net MWe): 1032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
   Refer to the attached sheet.

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	744.0	5,855	45,888
12. Number Of Hours Reactor Was Critical	744.0	5,360.7	34,012.8
13. Reactor Reserve Shutdown Hours	0	219.3	1,032
14. Hours Generator On-Line	744.0	5,278.2	33,225.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,445,974	17,007,750	103,061,227
17. Gross Electrical Energy Generated (MWH)	793,352	5,571,070	33,581,669
18. Net Electrical Energy Generated (MWH)	767,190	5,374,625	32,215,853
19. Unit Service Factor	100.0	90.2	72.4
20. Unit Availability Factor	100.0	90.2	72.4
21. Unit Capacity Factor (Using MDC Net)	99.9	89.0	68.0
22. Unit Capacity Factor (Using DER Net)	98.2	87.4	66.9
23. Unit Forced Outage Rate	0.0	7.2	10.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Unit One is not scheduled to shutdown within the next six months.

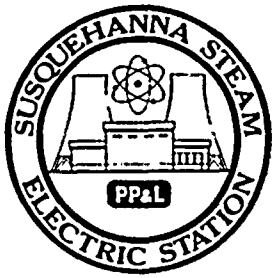
25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

OPERATING DATA REPORT (CONT'D)

8. The Design Electrical Rating (net MWe) was changed from 1065 MWe to 1050 MWe. The previous rating was based on the gross electrical rating of 1100 MWe minus station loads which were determined to be 35 MWe. Per the plant's Final Safety Analysis Report, section 1.1.7, the net electrical output of the plant, when operated at its licensed thermal power rating, is 1050 MWe. This later rating better fulfills the definition of Design Electrical Rating as specified in Regulatory Guide 1.16.

   Based on eight years of operational data, the Maximum Dependable Capacity (MDC) (Gross) was changed from 1068 MWe to 1068.5 MWe. This new rating better defines the unit's performance during the most restrictive seasonal condition (summer).



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1988

DOCKET NO. 50-387
UNIT NAME SSES-Unit One
DATE 09/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717)542-3917

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
									Unit One did not experience a shutdown or a significant power reduction during the month of August, 1988.

1
F: Forced
S: Scheduled

2
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)

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 09/02/88

Completed by J.A. Hirt Telephone (717)542-3917

Challenges to Main Steam Safety Relief Valves

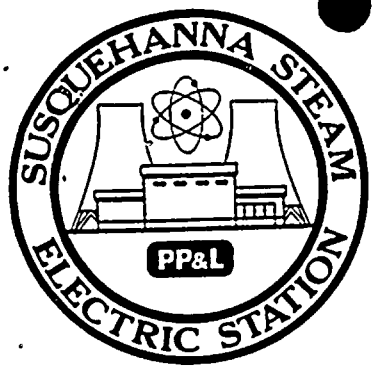
None

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 SSES- Unit Two
DATE 09/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717) 542-3917

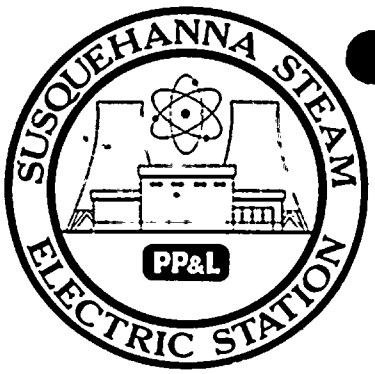
MONTH August, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1,034	17	1,034
2	1,029	18	1,037
3	1,027	19	1,045
4	1,027	20	1,044
5	1,027	21	1,036
6	1,029	22	1,048
7	1,031	23	1,044
8	1,034	24	1,038
9	1,032	25	1,040
10	1,028	26	1,041
11	1,024	27	1,037
12	1,022	28	1,028
13	721	29	1,038
14	950	30	1,047
15	1,024	31	1,046
16	1,033		

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.

(9/77)



OPERATING DATA REPORT

DOCKET NO. 50-388
DATE 09/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717)542-3917

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: August, 1988
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): 1074.3
7. Maximum Dependable Capacity (Net MWe): 1037.8

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
   Refer to the attached sheet

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	744:0	5,855	31,127
12. Number Of Hours Reactor Was Critical	744.0	3,227.9	24,819.9
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	744.0	3,063.4	24,224.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,421,899	9,473,118	76,098,831
17. Gross Electrical Energy Generated (MWH)	788,030	3,080,576	24,887,338
18. Net Electrical Energy Generated (MWH)	760,150	2,943,588	23,941,263
19. Unit Service Factor	100.0	52.3	77.8
20. Unit Availability Factor	100.0	52.3	77.8
21. Unit Capacity Factor (Using MDC Net)	98.5	48.4	74.1
22. Unit Capacity Factor (Using DER Net)	97.3	47.9	73.3
23. Unit Forced Outage Rate	0.0	0.2	8.2

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Unit Two is not expected to be shutdown within the next six months.

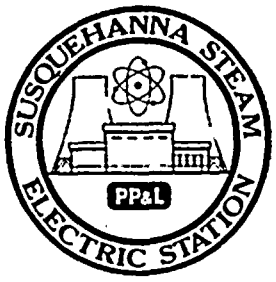
25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

OPERATING DATA REPORT (CONT'D)

8. The Design Electrical Rating (net MWe) was changed from 1065 MWe to 1050 MWe. The previous rating was based on the Unit One rating, since the Unit Two design was similar to Unit One's. Final Safety Analysis Report, section 1.1.7, lists the net electrical output as 1050 MWe when the Unit is operated at the licensed thermal rating of 3293 MWt. The new rating better fulfills the definition of Design Electrical Rating as specified in Regulatory Guide 1.16.

   Based on four years of operational data, the Maximum Dependable Capacity (Gross) was changed from 1068 MWe to 1074.3 MWe. The net MDC was changed from 1032 MWe to 1037.8 MWe. These new ratings better define the Unit's performance during the most restrictive seasonal conditions (summer).



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1988

DOCKET NO. 50-388
UNIT NAME Unit Two
DATE 09/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717)542-3917

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
6	880813	S	0	B	5	N/A	zz	zzzzzz	On August 13, 1988, at approximately 0000 hours, Operations personnel reduced reactor power to about 60% to perform a control rod sequence exchange. Unit Two returned to 100% power operation at about 1900 hours on August 14, 1988.

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 09/02/88

Completed by J.A. Hirt Telephone (717)542-3917

Challenges to Main Steam Safety Relief Valves

None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None

PP&L Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101 • 215/770-5151

SEP 15 1988

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

Harold W. Keiser
Senior Vice President-Nuclear
215/770-4194

Mr. William G. McDonald
Director, Office of Administration
and Resources Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-3085 FILE R41-2A

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

Dear Mr. McDonald:

The August 1988 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

H. W. Keiser

Attachment

cc: Document Control Desk (Original)
NRC Region I
Mr. F. I. Young - NRC Sr. Resident Inspector
Mr. M. C. Thadani - NRC Project Manager

IE24
1/1