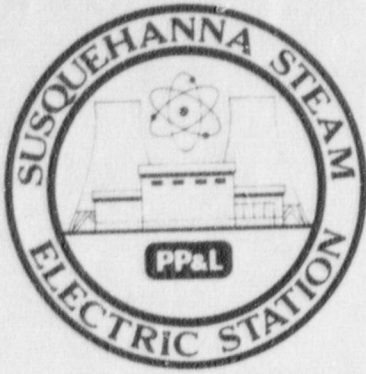




AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387UNIT OneDATE 10/07/87COMPLETED BY J.A. HirtTELEPHONE (717) 542-3917MONTH September, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1030</u>
2	<u>1029</u>
3	<u>991</u>
4	<u>1012</u>
5	<u>1033</u>
6	<u>1028</u>
7	<u>1023</u>
8	<u>1021</u>
9	<u>1021</u>
10	<u>1025</u>
11	<u>868</u>
12	<u>1</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</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.

(9/77)

8710200492 870930
PDR ADDCK 05000387
R PDR

IE24



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 10/07/87
 COMPLETED BY J.A. Hirt
 TELEPHONE (717) 542-3917

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: September, 1987
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1068
7. Maximum Dependable Capacity (Net MWe): 1032

Notes

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: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>6,551</u>	<u>37,824</u>
12. Number Of Hours Reactor Was Critical	<u>265.0</u>	<u>5,739.1</u>	<u>27,926.6</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>812.7</u>
14. Hours Generator On-Line	<u>264.3</u>	<u>5,698.6</u>	<u>27,312.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>850,331</u>	<u>18,089,788</u>	<u>84,372,926</u>
17. Gross Electrical Energy Generated (MWH)	<u>275,758</u>	<u>5,877,903</u>	<u>27,465,441</u>
18. Net Electrical Energy Generated (MWH)	<u>265,937</u>	<u>5,671,785</u>	<u>26,346,814</u>
19. Unit Service Factor	<u>36.7</u>	<u>87.0</u>	<u>72.2</u>
20. Unit Availability Factor	<u>36.7</u>	<u>87.0</u>	<u>72.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>35.8</u>	<u>83.9</u>	<u>67.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>34.7</u>	<u>81.3</u>	<u>65.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>6.5</u>	<u>10.3</u>

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

Unit One is currently shutdown for its Third Refueling and Inspection Outage.

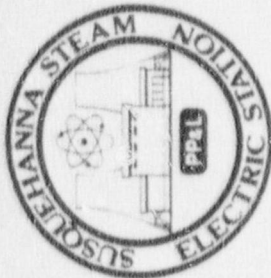
25. If Shut Down At End Of Report Period, Estimated Date of Startup: November 27, 1987

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-387
UNIT NAME SSES Unit One
DATE 10/07/87
COMPLETED BY J.A. Hirt
TELEPHONE (717) 542-3917

REPORT MONTH September, 1987

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	870912	S	455.8	C	1	N/A	ZZZZZZ	ZZZZZZ	Unit One was manually shutdown on September 12, 1987 at 0102 hours. The outage is currently scheduled to last 76 days. The expected restart date is November 27, 1987

- 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 10/07/87

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

Challenges to Main Steam Safety Relief Valves

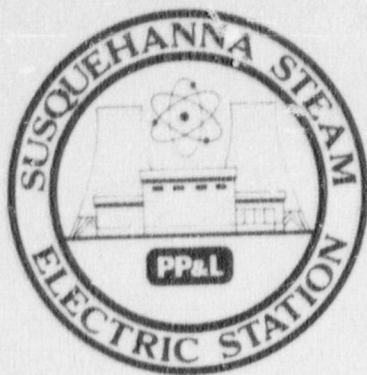
None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388UNIT TwoDATE 10/07/87COMPLETED BY J. A. HirtTELEPHONE (717) 542-3917MONTH September, 1987DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1038</u>
2	<u>1039</u>
3	<u>1041</u>
4	<u>1040</u>
5	<u>1039</u>
6	<u>1035</u>
7	<u>1028</u>
8	<u>1028</u>
9	<u>1025</u>
10	<u>1029</u>
11	<u>979</u>
12	<u>832</u>
13	<u>1019</u>
14	<u>1033</u>
15	<u>1038</u>
16	<u>1033</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1030</u>
18	<u>1034</u>
19	<u>690</u>
20	<u>1035</u>
21	<u>1031</u>
22	<u>1036</u>
23	<u>1042</u>
24	<u>1041</u>
25	<u>1045</u>
26	<u>1045</u>
27	<u>1039</u>
28	<u>1036</u>
29	<u>1035</u>
30	<u>1038</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. 50-388
 DATE 10/07/87
 COMPLETED BY J.A.Hirt
 TELEPHONE (717) 542-3917

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: September, 1987
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1068
7. Maximum Dependable Capacity (Net MWe): 1032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:
None

Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	6,551	23,063
12. Number Of Hours Reactor Was Critical	720	6,275	19,383
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	720	6,222.6	18,951.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,330,272	20,082,426	59,475,311
17. Gross Electrical Energy Generated (MWH)	756,624	6,555,114	19,459,408
18. Net Electrical Energy Generated (MWH)	730,946	6,330,666	18,733,195
19. Unit Service Factor	100.0	95.0	82.2
20. Unit Availability Factor	100.0	95.0	82.2
21. Unit Capacity Factor (Using MDC Net)	98.4	93.6	78.7
22. Unit Capacity Factor (Using DER Net)	95.3	90.7	76.3
23. Unit Forced Outage Rate	0.0	5.0	10.2

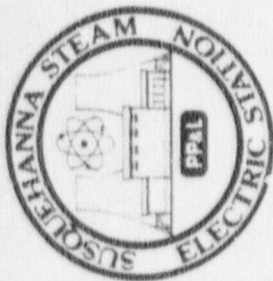
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

A refueling outage is scheduled to begin March 5, 1987 and end May 13, 1987
The duration is 69 days.

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-388
UNIT NAME SSES-Unit Two
DATE 10/07/87
COMPLETED BY J.A. Hirt
TELEPHONE (717) 542-3917

REPORT MONTH September 1987

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	870919	F	0	A	5	NA	SJ	LOV, RV	On 9-19-87 at approximately midnight power was reduced to approximately 60% in order to repair a leaking feedwater heater drain valve and a feedwater pump suction relief valve. Following repairs, reactor power was restored to 100% at 0700 on 9-20-87

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 10/07/87

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



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Harold W. Keiser
Vice President-Nuclear Operations
215/770-7502

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

OCT 14 1987

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-2924 FILE R41-2A

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

Dear Mr. McDonald:

The September 1987 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

H. W. Keiser
Vice President-Nuclear Operations

Attachment

cc: Document Control Desk (Original)
NRC Region I
Mr. L. R. Plisco - NRC Resident
Mr. M. C. Thadani - NRC Project Manager

USNRC-DS
1987 OCT 20 A 9:44

TE2A