

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 01/09/85

COMPLETED BY L.A. Kuczynski

TELEPHONE (717) 542-3759

MONTH December, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1050</u>
2	<u>919</u>
3	<u>1039</u>
4	<u>1053</u>
5	<u>1049</u>
6	<u>1049</u>
7	<u>1050</u>
8	<u>948</u>
9	<u>883</u>
10	<u>935</u>
11	<u>1040</u>
12	<u>1046</u>
13	<u>1032</u>
14	<u>959</u>
15	<u>1035</u>
16	<u>1045</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1042</u>
18	<u>1045</u>
19	<u>1045</u>
20	<u>1045</u>
21	<u>1042</u>
22	<u>1032</u>
23	<u>1029</u>
24	<u>545</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>280</u>
31	<u>808</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.

8502190091 841231
PDR ADOCK 05000387
R PDR

(9/77)
JER4
111



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 01/09/85
 COMPLETED BY L.A. Kuczynski
 TELEPHONE (717)542-3759

OPERATING STATUS

Unit 1

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: December, 1984
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
 End of core life power coastdown begun December 21, 1984.

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: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8,784</u>	<u>13,753</u>
12. Number Of Hours Reactor Was Critical	<u>627.1</u>	<u>6,547.4</u>	<u>10,392.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>314.7</u>	<u>471.4</u>
14. Hours Generator On-Line	<u>614.9</u>	<u>6,378.6</u>	<u>10,146.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,899,012</u>	<u>19,367,327</u>	<u>30,628,988</u>
17. Gross Electrical Energy Generated (MWH)	<u>624,280</u>	<u>6,323,980</u>	<u>9,990,530</u>
18. Net Electrical Energy Generated (MWH)	<u>601,046</u>	<u>6,088,141</u>	<u>9,624,514</u>
19. Unit Service Factor	<u>82.6</u>	<u>72.6</u>	<u>73.8</u>
20. Unit Availability Factor	<u>82.6</u>	<u>72.6</u>	<u>73.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>78.3</u>	<u>67.2</u>	<u>67.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>75.9</u>	<u>65.1</u>	<u>65.7</u>
23. Unit Forced Outage Rate	<u>17.4</u>	<u>15.1</u>	<u>14</u>

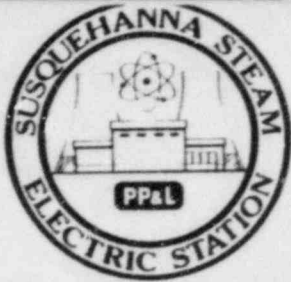
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling Outage; February 9, 1985; 15 Weeks.

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

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

	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-387
 UNIT NAME One
 DATE 01/09/85
 COMPLETED BY L.A. Kuczynski
 TELEPHONE (717) 542-3759

REPORT MONTH December, 1984

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
19	841224	F	129.1	A	2	84-048	SE	VALVEX	Nitrogen gas for primary containment make-up was off-loaded from a vendor tanker prior to proper system line up due to a miscommunication. Two primary containment isolation valves were damaged. Unit shutdown followed due to loss of primary containment integrity caused by excessive leakage through damaged valves. The valves were repaired and the Unit returned to service.

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

Unit 1

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 01/09/85

Completed by L.A. Kuczynski

Telephone (717)542-3759

Challenges to Main Steam Safety Relief Valves

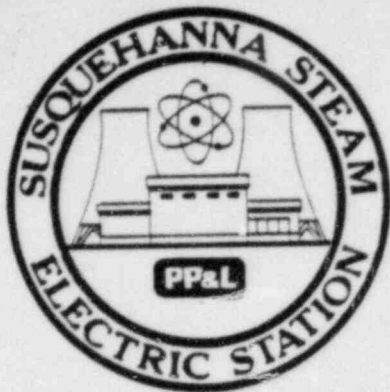
None

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 01/09/85

COMPLETED BY L.A. Kuczynski

TELEPHONE (717) 542-3759

MONTH December, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</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>0</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 01/09/85
 COMPLETED BY L.A. Kuczynski
 TELEPHONE (717)542-3759

OPERATING STATUS

Unit 2

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: December, 1984
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): *
7. Maximum Dependable Capacity (Net MWe): *
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

*To be determined.

None

9. Power Level To Which Restricted, If Any (Net MWe): None

10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>4356</u>	<u>4356</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>2,145.9</u>	<u>2,145.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>495</u>	<u>495</u>
14. Hours Generator On-Line	<u>0</u>	<u>1,769.3</u>	<u>1,769.3</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>142.4</u>	<u>142.4</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>3,227,193</u>	<u>3,227,193</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>989,040</u>	<u>989,040</u>
18. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>932,026</u>	<u>932,026</u>
19. Unit Service Factor	<u>NA</u>	<u>NA</u>	<u>NA</u>
20. Unit Availability Factor	<u>NA</u>	<u>NA</u>	<u>NA</u>
21. Unit Capacity Factor (Using MDC Net)	<u>NA</u>	<u>NA</u>	<u>NA</u>
22. Unit Capacity Factor (Using DER Net)	<u>NA</u>	<u>NA</u>	<u>NA</u>
23. Unit Forced Outage Rate	<u>NA</u>	<u>NA</u>	<u>NA</u>

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

None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: January 8, 1985

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

	Forecast	Achieved
INITIAL CRITICALITY	<u>05/09/84</u>	<u>05/08/84</u>
INITIAL ELECTRICITY	<u>06/28/84</u>	<u>07/03/84</u>
COMMERCIAL OPERATION	<u>01/31/85</u>	<u> </u>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1984

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 01/09/85
 COMPLETED BY L.A. Kuczynski
 TELEPHONE (717) 542-3759

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
16	841027	S	744	B	4	NA	NA	NA	Reactor scram as part of scheduled Startup Testing. Pre-commercial outage commenced.

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.
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 from previous month
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 0161)

⁵
 Exhibit I - Same Source

Unit 2

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 01/09/85

Completed by L.A. Kuczynski

Telephone (717) 542-3759

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

Bruce D. Kenyon
Vice President-Nuclear Operations
215/770-7502

JAN 14 1985

Director, Data Automation &
Management Information Division
Attention: Mr. M. R. Beebe
Management Information Branch
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
ER 100450 FILE 841
PLA-2387

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

Dear Mr. Beebe:

The December 1984 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

B. D. Kenyon
Vice President-Nuclear Operations

Attachment

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JAN 14 1985

Page 2

SSES PLA-2387
ER 100450 File 841
Mr. M. R. Beebe

cc: Dr. Thomas E. Murley
Regional Administrator-Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
Attn: Document Control Desk (12 copies)

Mr. R. H. Jacobs - NRC
Ms. M. J. Campagnone - NRC

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