

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 09/10/84

COMPLETED BY L.A. Kuczynski

TELEPHONE (717)542-3759

MONTH August, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1014</u>
2	<u>1014</u>
3	<u>1015</u>
4	<u>1015</u>
5	<u>850</u>
6	<u>1020</u>
7	<u>1021</u>
8	<u>1022</u>
9	<u>1020</u>
10	<u>1025</u>
11	<u>1014</u>
12	<u>971</u>
13	<u>1020</u>
14	<u>1020</u>
15	<u>1027</u>
16	<u>1028</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1024</u>
18	<u>710</u>
19	<u>971</u>
20	<u>1034</u>
21	<u>993</u>
22	<u>1033</u>
23	<u>1030</u>
24	<u>1036</u>
25	<u>1028</u>
26	<u>959</u>
27	<u>1033</u>
28	<u>1026</u>
29	<u>1022</u>
30	<u>1021</u>
31	<u>1031</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.

8410120131 840831
PDR ADOCK 05000387
R PDR

(9/77)

IE24
1/1



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 09/10/84
 COMPLETED BY L.A. Kuczynski
 TELEPHONE (717) 542-3759

OPERATING STATUS

Unit 1

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: August, 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

Corrections to July, 1984

Item 12: 561.5

Item 14: 522.1

These new values are reflected in Y-T-D & Cumulative columns in the August report.

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>5,855</u>	<u>10,824</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>3,893.5</u>	<u>7,738.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>249.1</u>	<u>405.8</u>
14. Hours Generator On-Line	<u>744</u>	<u>3,768.9</u>	<u>7,537.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,392,310</u>	<u>11,467,140</u>	<u>22,728,801</u>
17. Gross Electrical Energy Generated (MWH)	<u>772,140</u>	<u>3,737,610</u>	<u>7,404,160</u>
18. Net Electrical Energy Generated (MWH)	<u>745,057</u>	<u>3,598,837</u>	<u>7,135,210</u>
19. Unit Service Factor	<u>100</u>	<u>64.4</u>	<u>69.6</u>
20. Unit Availability Factor	<u>100</u>	<u>64.4</u>	<u>69.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97</u>	<u>59.6</u>	<u>63.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>94</u>	<u>57.7</u>	<u>61.9</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>17.8</u>	<u>15</u>

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

Refueling Outage; February 9, 1985; 13 weeks.

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



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1984

DOCKET NO. 50-387
 UNIT NAME One
 DATE 09/10/84
 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
10	840818	S	0	H	4	N/A	RB	CONRODS	Scheduled Control Rod Sequence Exchange to minimize the control blade history effect on the fuel.
Note: Correct 'Reason' code for Unit Shutdown #8 is 'G'. Correct 'Duration' for Unit Shutdown #8 is 28.2.									

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-Other (Explain)

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 09/10/84

Completed by L.A. Kuczynski Telephone (717)542-3759

Challenges to Main Steam Safety Relief Valves

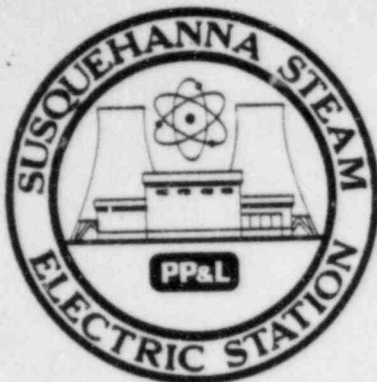
None.

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 09/10/84

COMPLETED BY L.A. Kuczynski

TELEPHONE (717)542-3759

MONTH August, 1984

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>118</u>
4	<u>348</u>
5	<u>356</u>
6	<u>368</u>
7	<u>52</u>
8	<u>0</u>
9	<u>96</u>
10	<u>235</u>
11	<u>0</u>
12	<u>0</u>
13	<u>248</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>253</u>
19	<u>442</u>
20	<u>393</u>
21	<u>392</u>
22	<u>450</u>
23	<u>433</u>
24	<u>312</u>
25	<u>307</u>
26	<u>0</u>
27	<u>98</u>
28	<u>146</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 09/10/84
 COMPLETED BY L.A. Kuczynski
 TELEPHONE (717) 542-3759

OPERATING STATUS

Unit 2

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: August, 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:
None

Notes

* To be determined.

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>1,427</u>	<u>1,427</u>
12. Number Of Hours Reactor Was Critical	<u>581.9</u>	<u>1,040.6</u>	<u>1,040.6</u>
13. Reactor Reserve Shutdown Hours	<u>162.1</u>	<u>342.4</u>	<u>342.4</u>
14. Hours Generator On-Line	<u>373.4</u>	<u>766.3</u>	<u>766.3</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>142.4</u>	<u>142.4</u>
16. Gross Thermal Energy Generated (MWH)	<u>470,952</u>	<u>944,986</u>	<u>944,986</u>
17. Gross Electrical Energy Generated (MWH)	<u>132,920</u>	<u>254,250</u>	<u>254,250</u>
18. Net Electrical Energy Generated (MWH)	<u>121,170</u>	<u>231,451</u>	<u>231,451</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):
Maintenance Outage; October 20, 1984; 8 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 09/04/84

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>12/31/84</u>	<u> </u>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1984

DOCKET NO. 50-388
 UNIT NAME TWO
 DATE 09/10/84
 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
3	840726	S	57.2	B	3	84-013	ZZ	ZZZZZZ	Reactor scram for scheduled Startup Test. Due to an incorrectly completed (See attached page)
4	840807	S	53.1	B	3	N/A	ZZ	ZZZZZZ	Reactor scram as part of scheduled Startup Test.
5	840810	F	0	H	N/A	N/A	HA	XXXXXX	Generator removed from grid for 53.9h to install missing gasket in main (See attached page)
6	840813	F	0	H	N/A	N/A	HA	XXXXXX	Generator removed from grid for 95.7h (See attached page)
7	840826	F	28.6	A	3	84-017	HA	VALVEX	Reactor scram following turbine trip (See attached page)
8	840828	F	82.1	A	3	84-017	HA	VALVEX	Reactor scram following turbine trip (See attached page)

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-Other (Explain)

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

UNIT 2 SHUTDOWNS AND POWER REDUCTIONS (continued):

NO. 3

electrical lineup, the diesel generators were prevented from starting and an Unusual Event was declared. The Startup Test was re-run on August 7, 1984, and successfully completed.

NO. 5

steam line connected to upper portion of high pressure turbine. Reactor remained critical throughout.

NO. 6

to install missing gasket in main steam line connected to upper portion of high pressure turbine. Reactor remained critical throughout.

NO. 7

on moisture separator drain tank high level. Cause for high level due to malfunctioning drain valve on piping from high pressure turbine exhaust to moisture separator.

NO. 8

on moisture separator drain tank high level. Cause for high level due to malfunctioning drain valve on piping from high pressure turbine exhaust to moisture separator.

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 09/10/84

Completed by L.A. Kuczynski Telephone (717)542-3759

Challenges to Main Steam Safety Relief Valves

Following the reactor scram of August 7, 1984, SRV 'E' actuated automatically eight times. See table for specifics.

<u>OPEN</u>	<u>CLOSED</u>	<u>RX PRESSURE (psig) AT SRV OPEN</u>	<u>RX PRESSURE (psig) AT SRV CLOSED</u>
5:09:34	5:10:05	1076	989
5:13:56	5:14:26	1077	989
5:18:23	5:18:53	1073	989
5:22:59	5:23:29	1070	989
5:27:40	5:28:10	1068	990
5:32:30	5:33:00	1069	990
5:42:57	5:43:29	1076	987
5:49:44	6:00:06	1068	984

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.

NOTE: Add the following to Challenges to Main Steam Safety Relief Valves for July, 1984.

Following the scram of July 5, 1984, SRV's 'A', 'B', and 'C' were manually actuated to depressurize the RPV. See following table for specifics. Time of scram: 0100. No SRV actuations associated with scram.

<u>SRV</u>	<u>OPEN</u>	<u>CLOSED</u>	<u>RX PRESSURE (psig) AT SRV OPEN</u>	<u>RX PRESSURE (psig) AT SRV CLOSED</u>
A	0254	0302	635	~440
B	0329	0336	~400	~315
C	0413	0435	~300	125
A	0516	0525	120	95
B	0518	0522	120	96
C	0520	0522	120	96
B	0602	0605	93	89



Pennsylvania Power & Light Company

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

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

SEP 12 1984

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-2305

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

Dear Mr. Beebe:

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

Very truly yours,

B. D. Kenyon
Vice President-Nuclear Operations

Attachment

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

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

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

Mr. Thomas E. Pollog
Department of Environmental
Resources
Bureau of Radiation Protection
P.O. Box 2063
Harrisburg, PA 17120

Mr. R. H. Jacobs - NRC
Mr. R. L. Perch - NRC

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