

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9005180049      DOC. DATE: 90/04/30      NOTARIZED: NO      DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv      05000387  
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv      05000388  
 AUTH. NAME      AUTHOR AFFILIATION  
 KEISER, H.W.      Pennsylvania Power & Light Co.  
 YOUNG, K.A.      Pennsylvania Power & Light Co.  
 RECIPIENT NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Apr 1990 for Susquehanna Steam Electric Station, Units 1 & 2. W/900514 ltr.

DISTRIBUTION CODE: IE24D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 9  
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: LPDR 1 cy Transcripts.      05000387  
 LPDR 1 cy Transcripts.      05000388

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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/770-5151

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

Submitted pursuant to  
Technical Specifications  
Section 6.9.1.6

MAY 14 1990

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-3391 FILE R41-2A

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

Dear Mr. McDonald:

The April 1990 monthly operating reports for Susquehanna SES  
Units 1 and 2 are attached.

Very truly yours,

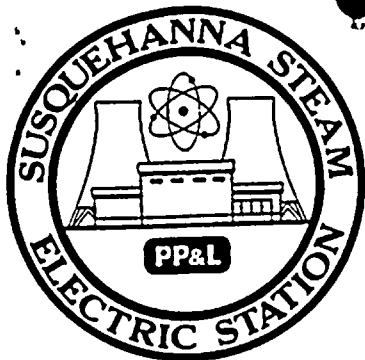
H. W. Keiser

Attachment

cc: Document Control Desk (original)  
NRC Region I  
Mr. G.S. Barber, NRC Resident Inspector  
Mr. M.C. Thadani, NRC Project Manager

9005180049 900430  
PDR ADOCK 05000387  
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IF2A  
11



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387  
UNIT One  
DATE 5-3-90  
COMPLETED BY K.A. Young  
TELEPHONE (717) 542-3251

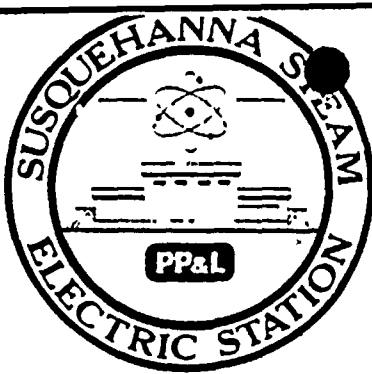
MONTH April 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1025</u>
2	<u>1051</u>
3	<u>1053</u>
4	<u>1054</u>
5	<u>1053</u>
6	<u>1053</u>
7	<u>1055</u>
8	<u>1056</u>
9	<u>1053</u>
10	<u>1049</u>
11	<u>1051</u>
12	<u>1055</u>
13	<u>1055</u>
14	<u>1053</u>
15	<u>1028</u>
16	<u>1051</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1050</u>
18	<u>1054</u>
19	<u>1051</u>
20	<u>1049</u>
21	<u>1046</u>
22	<u>1046</u>
23	<u>1044</u>
24	<u>1044</u>
25	<u>1042</u>
26	<u>1033</u>
27	<u>1033</u>
28	<u>1032</u>
29	<u>1041</u>
30	<u>1047</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. 50-387  
 DATE 5-3-90  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: April 1990
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): 1069.3
7. Maximum Dependable Capacity (Net MWe): 1032.7

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

No changes were made.

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

10. Reasons For Restrictions, If Any: N/A

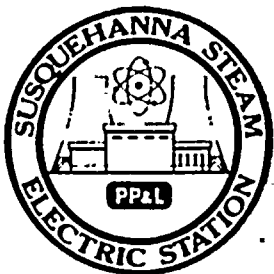
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>719</u>	<u>2,879</u>	<u>60,456</u>
12. Number Of Hours Reactor Was Critical	<u>719</u>	<u>2,673.2</u>	<u>46,207.5</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>719</u>	<u>2,627.7</u>	<u>45,229.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,368,704</u>	<u>8,384,440</u>	<u>141,555,086</u>
17. Gross Electrical Energy Generated (MWH)	<u>778,994</u>	<u>2,759,108</u>	<u>46,216,948</u>
18. Net Electrical Energy Generated (MWH)	<u>752,743</u>	<u>2,659,668</u>	<u>44,374,340</u>
19. Unit Service Factor	<u>100</u>	<u>91.3</u>	<u>74.8</u>
20. Unit Availability Factor	<u>100</u>	<u>91.3</u>	<u>74.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.4</u>	<u>89.5</u>	<u>71.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.7</u>	<u>88.0</u>	<u>69.9</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>8.7</u>	<u>9.4</u>

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

Unit One is scheduled for its Fifth Refueling and Inspection Outage from 9-8-90 through 11-23-90

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

REPORT MONTH April 1990

DOCKET NO. 50-387  
 UNIT NAME One  
 DATE 5-3-90  
 COMPLETED BY K. A. Young  
 TELEPHONE (717) 542-3251

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
									No report required for April.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuation  
 from previous month  
 5-Reduction  
 9-Other

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

<sup>5</sup>  
 Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387

Date: April, 1990

Completed by K.A. Young

Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

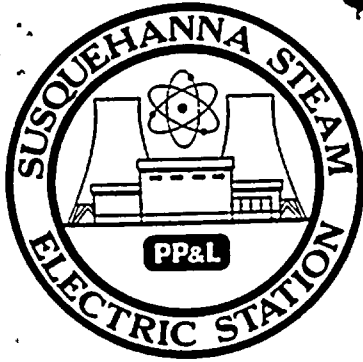
None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



AVERAGE DAILY UNIT POWER LEVEL

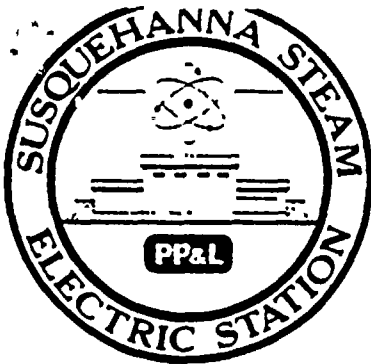
DOCKET NO. 50-388  
UNIT Two  
DATE 5-3-90  
COMPLETED BY K.A. Young  
TELEPHONE (717)542-3251

MONTH April 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1052</u>	17	<u>1051</u>
2	<u>1051</u>	18	<u>1054</u>
3	<u>1053</u>	19	<u>1052</u>
4	<u>1053</u>	20	<u>1050</u>
5	<u>1053</u>	21	<u>1050</u>
6	<u>1055</u>	22	<u>1048</u>
7	<u>1055</u>	23	<u>1046</u>
8	<u>1054</u>	24	<u>1045</u>
9	<u>1053</u>	25	<u>1043</u>
10	<u>1051</u>	26	<u>1036</u>
11	<u>1052</u>	27	<u>1039</u>
12	<u>1054</u>	28	<u>1035</u>
13	<u>1055</u>	29	<u>1044</u>
14	<u>1053</u>	30	<u>1046</u>
15	<u>1052</u>	31	<u>          </u>
16	<u>1053</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 5-3-90  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: April 1990
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): 1074.6
7. Maximum Dependable Capacity (Net MWe): 1038.2
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:  
No changes were made

Notes

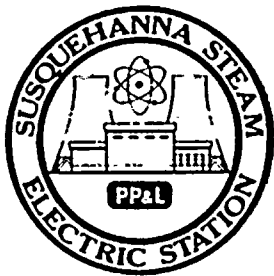
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>719</u>	<u>2,879</u>	<u>45,695</u>
12. Number Of Hours Reactor Was Critical	<u>719</u>	<u>2,730.3</u>	<u>37,395.6</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>719</u>	<u>2,711</u>	<u>36,606.3</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,369,540</u>	<u>8,847,838</u>	<u>115,655,813</u>
17. Gross Electrical Energy Generated (MWH)	<u>781,486</u>	<u>2,924,284</u>	<u>37,912,197</u>
18. Net Electrical Energy Generated (MWH)	<u>754,682</u>	<u>2,819,503</u>	<u>36,480,184</u>
19. Unit Service Factor	<u>100</u>	<u>94.2</u>	<u>80.1</u>
20. Unit Availability Factor	<u>100</u>	<u>94.2</u>	<u>80.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.1</u>	<u>94.3</u>	<u>76.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>100</u>	<u>93.3</u>	<u>76.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>5.8</u>	<u>6.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None Scheduled.</u>			

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

REPORT MONTH April 1990

DOCKET NO. 50-388  
 UNIT NAME Two  
 DATE 5-3-90  
 COMPLETED BY K.A. Young  
 TELEPHONE (717) 542-3251

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
									No report required for April

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuation  
 from previous month  
 5-Reduction  
 9-Other

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

<sup>5</sup>  
 Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date: April 1990

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 Systems

None