

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9010250319 DOC. DATE: 90/09/30 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388
 AUTH. NAME AUTHOR AFFILIATION
 YOUNG, K.A. Pennsylvania Power & Light Co.
 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1990 for License NPF-14 & NPF-22.W/901015 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

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID	CODE/NAME	LTTR	ENCL		ID	CODE/NAME	LTTR	ENCL
	PD1-2	LA	3	3		PD1-2	PD	1	1
		THADANI, M	1	1					
INTERNAL:	ACRS		10	10	AEOD/DOA			1	1
	AEOD/DSP/TPAB		1	1	IRM TECH ADV			2	2
	NRR/DLPO/LPEB10		1	1	NRR/DOEA/OEAB11			1	1
	REG-FILE		1	1	RGN1			1	1
EXTERNAL:	EG&G BRYCE, J.H		1	1	NRC PDR			1	1
	NSIC		1	1					
NOTES:			2	2					

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 28 ENCL 28

Monthly Rpt



Pennsylvania Power & Light Company

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

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

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

OCT 15 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-3461 FILE R41-2A

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

Dear Mr. McDonald:

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

Very truly yours,

H. W. Keiser

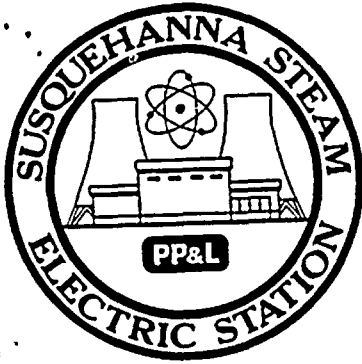
Attachment

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

000157

9010250319 900930
PDR ADDCK 05000387
R PNU

IE24
111



AVERAGE DAILY UNIT POWER LEVEL

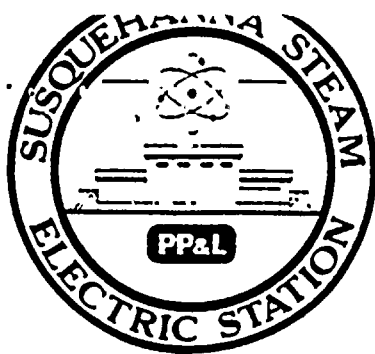
DOCKET NO. 50-387
UNIT One
DATE 10-8-90
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH September 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1031</u>	17	<u>0</u>
2	<u>1022</u>	18	<u>0</u>
3	<u>1028</u>	19	<u>0</u>
4	<u>1027</u>	20	<u>0</u>
5	<u>1018</u>	21	<u>0</u>
6	<u>1009</u>	22	<u>0</u>
7	<u>1004</u>	23	<u>0</u>
8	<u>1016</u>	24	<u>0</u>
9	<u>1011</u>	25	<u>0</u>
10	<u>995</u>	26	<u>0</u>
11	<u>816</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<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. 50-387
 DATE 10-8-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: September 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): 1069.6
7. Maximum Dependable Capacity (Net MWe): 1033.1
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: No changes were made

Notes

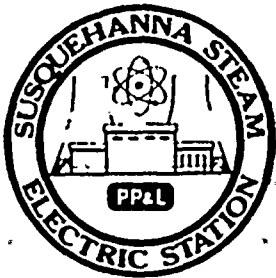
9. Power Level To Which Restricted, If Any (Net MWe): None.
10. Reasons For Restrictions, If Any: N/A.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	6551	64,128
12. Number Of Hours Reactor Was Critical	283.3	5732.2	49,266.5
13. Reactor Reserve Shutdown Hours	0	0	1032
14. Hours Generator On-Line	267.8	5619.3	48,220.7
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	853,627	17,949,852	151,120,498
17. Gross Electrical Energy Generated (MWH)	273,336	5,845,834	49,303,674
18. Net Electrical Energy Generated (MWH)	259,394	5,631,769	47,346,441
19. Unit Service Factor	37.2	85.8	75.2
20. Unit Availability Factor	37.2	85.8	75.2
21. Unit Capacity Factor (Using MDC Net)	34.9	83.2	71.5
22. Unit Capacity Factor (Using DER Net)	34.3	81.9	70.3
23. Unit Forced Outage Rate	0	4.3	8.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 1 commenced its Fifth Refueling and Inspection Outage on 9-12-90.
Outage is scheduled for eleven weeks duration.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 11-23-90
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1990

DOCKET NO. 50-387
 UNIT NAME One
 DATE 10-8-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

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	900912	S	452.2	C	1	NA	XX	ZZZ	Unit One was manually shutdown for it's planned fifth refuel and inspection outage (5 RIO) commencing at 1700 hours September 11. Generator was taken off line at 0346 hours, September 12. Planned outage length is for eleven weeks. Estimated return to service date is November 23, 1990.

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 September 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



Handwritten marks and dots in the top right corner.

Faint, illegible text in the upper middle section of the page.

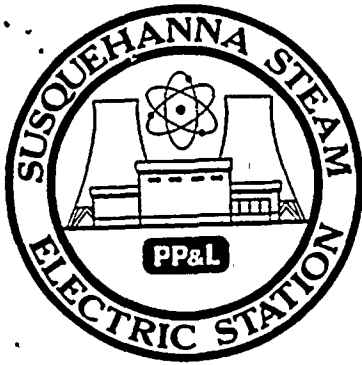
A single line of faint, illegible text in the middle of the page.

A single line of faint, illegible text in the middle of the page.

A single line of faint, illegible text in the middle of the page.

Faint, illegible text in the lower middle section of the page.

Faint, illegible text in the bottom section of the page.



AVERAGE DAILY UNIT POWER LEVEL

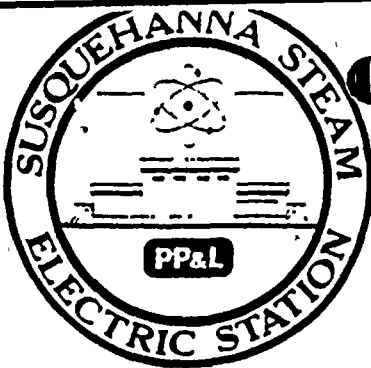
DOCKET NO. 50-388
UNIT Two
DATE 10-8-90
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH September 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1032</u>	17	<u>1044</u>
2	<u>1019</u>	18	<u>1044</u>
3	<u>1036</u>	19	<u>1040</u>
4	<u>1034</u>	20	<u>1039</u>
5	<u>1030</u>	21	<u>992</u>
6	<u>1026</u>	22	<u>563</u>
7	<u>1024</u>	23	<u>963</u>
8	<u>1038</u>	24	<u>1042</u>
9	<u>1037</u>	25	<u>1042</u>
10	<u>1030</u>	26	<u>1040</u>
11	<u>1028</u>	27	<u>1041</u>
12	<u>1020</u>	28	<u>1037</u>
13	<u>1021</u>	29	<u>1034</u>
14	<u>1028</u>	30	<u>1032</u>
15	<u>1031</u>	31	<u> </u>
16	<u>1038</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 10/8/90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: September 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): 1075.5
7. Maximum Dependable Capacity (Net MWe): 1039.0

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made

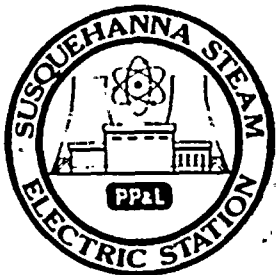
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>6551</u>	<u>49,367</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>6,011.0</u>	<u>40,676.3</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>720</u>	<u>5,971.9</u>	<u>39,867.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,334,928</u>	<u>19,422,297</u>	<u>126,230,272</u>
17. Gross Electrical Energy Generated (MWH)	<u>757,430</u>	<u>6,360,752</u>	<u>41,348,665</u>
18. Net Electrical Energy Generated (MWH)	<u>730,184</u>	<u>6,129,271</u>	<u>39,789,952</u>
19. Unit Service Factor	<u>100</u>	<u>91.2</u>	<u>80.8</u>
20. Unit Availability Factor	<u>100</u>	<u>91.2</u>	<u>80.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.6</u>	<u>90.0</u>	<u>77.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.6</u>	<u>89.1</u>	<u>76.8</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>6.7</u>	<u>6.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit two is scheduled for its Fourth Refueling and Inspection Outage from
March 9, 1991 through May 24, 1991.

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 September 1990

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 10-8-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

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	900921	S	0.0	B	5	NA	SG	COND	Unit 2 commenced a scheduled power reduction at 2100 hours September 21. Power was reduced to 46% level for control rod sequence exchange, Recirc MG set changeout, and scram timing. Power level was raised to and held at 60% for condenser water box injection and cleaning. Unit returned to full power at 1600 hours on September 23.

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

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388

Date September 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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

THE UNITED STATES OF AMERICA
DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535