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50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 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 Oct 1990 for Susquehanna Steam Electric Station Units 1 & 2.W/901115 ltr.

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PP&L 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

NOV 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 **Docket Nos. 50-387/NPF-14**
PLA-3476 FILE R41-2A **and 50-388/NPF-22**

Dear Mr. McDonald:

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

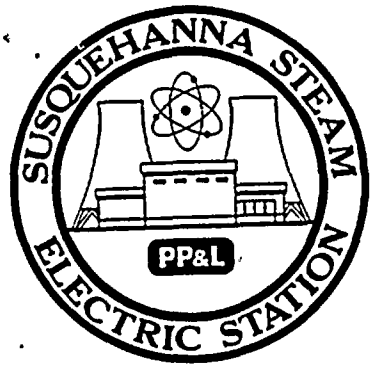
Very truly yours,

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

IE24
1/1



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
UNIT One
DATE 11-8-90
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

MONTH October 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	
16	0		

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)

SUSQUEHANNA STEAM ELECTRIC STATION

PP&L

OPERATING DATA REPORT

DOCKET NO. 50-387
DATE 11-7-90
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

OPERATING STATUS Unit One

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

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

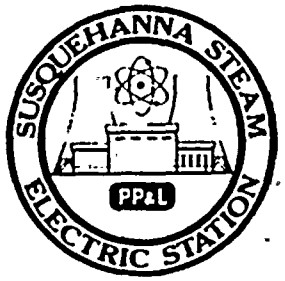
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	7296	64,873
12. Number Of Hours Reactor Was Critical	0	5732.2	49,266.5
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	0	5619.3	48,220.7
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	17,949,852	151,120,498
17. Gross Electrical Energy Generated (MWH)	0	5,845,834	49,303,674
18. Net Electrical Energy Generated (MWH)	-5350	5,626,419	47,341,091
19. Unit Service Factor	0	77.0	74.3
20. Unit Availability Factor	0	77.0	74.3
21. Unit Capacity Factor (Using MDC Net)	N/A	74.7	70.6
22. Unit Capacity Factor (Using DER Net)	N/A	73.4	69.5
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: 11/16/90
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1990

DOCKET NO. 50-387
UNIT NAME One
DATE 11-7-90
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	745	C	4	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 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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date October 1990

Completed by K.A. Young Telephone (717) 542-3251

Challenges to Main Steam Safety Relief Valves

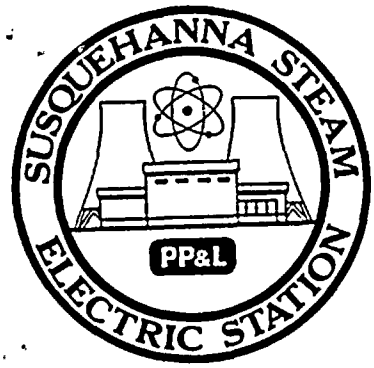
None

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 11-7-90
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH October 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1043	17	749
2	1041	18	747
3	1043	19	887
4	1035	20	917
5	1039	21	913
6	1034	22	920
7	1035	23	926
8	1033	24	932
9	960	25	934
10	822	26	1011
11	805	27	1050
12	806	28	1033
13	827	29	1048
14	869	30	1052
15	816	31	1046
16	778		

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)

SUSQUEHANNA STEAM ELECTRIC STATION

PP&L

OPERATING DATA REPORT

DOCKET NO. 50-388
DATE 11-7-90
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: October 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
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	745	7296	50,112
12. Number Of Hours Reactor Was Critical	745	6,756.0	41,421.3
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	745	6,716.9	40,612.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,245,508	21,667,805	128,475,780
17. Gross Electrical Energy Generated (MWH)	725,440	7,086,192	42,074,105
18. Net Electrical Energy Generated (MWH)	700,765	6,830,036	40,490,717
19. Unit Service Factor	100	92.1	81.0
20. Unit Availability Factor	100	92.1	81.0
21. Unit Capacity Factor (Using MDC Net)	90.5	90.1	77.8
22. Unit Capacity Factor (Using DER Net)	89.6	89.2	77.0
23. Unit Forced Outage Rate	0	6.0	6.5

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		

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1990

DOCKET NO. 50-388
UNIT NAME Two
DATE 11-7-90
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
7	901009	F	0.0	F	5	NA	SC	DM	Unit Two operated at reduced power for period of October 9 through October 26. Lower power levels were required to keep Reactor water conductivity within administrative limits. Cause of conductivity excursions was identified as condensate demineralizer resin fines entering the primary coolant. During down power, problems were encountered with Reactor water clean-up pump seals and with a Feedwater heater demin valve. Condensate demineralizer vessels had complete resin inventory changed out. Conductivity values were stabilized and unit returned to 100% power at 1300 hours October 26.

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
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5
Exhibit I - Same Source

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date October 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