Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Harold W. Keiser
Senior Vice President-Nuclear
215/774-4194

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

FEB 14 1991

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-3526 FILE R41-2A

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

Dear Mr. McDonald:

The January 1991 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

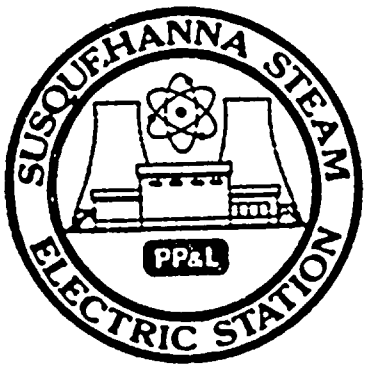
Very truly yours,

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

NOR
IE24
1/1



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
UNIT One
DATE 2-8-91
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

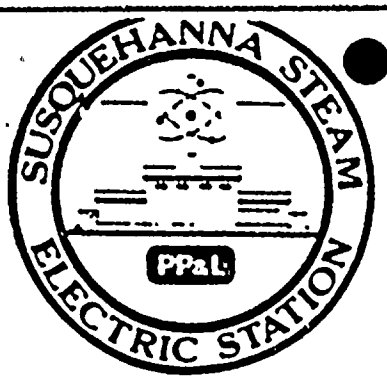
MONTH January 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1054	17	1055
2	1054	18	1038
3	1054	19	966
4	1054	20	1054
5	1053	21	1055
6	1051	22	1055
7	1056	23	1054
8	1055	24	1054
9	1050	25	1055
10	1055	26	1054
11	1054	27	1053
12	1055	28	1055
13	1054	29	1054
14	1054	30	1053
15	1054	31	1055
16	1053		

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)



OPERATING DATA REPORT

DOCKET NO 50-387
DATE 2-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: January 1991
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

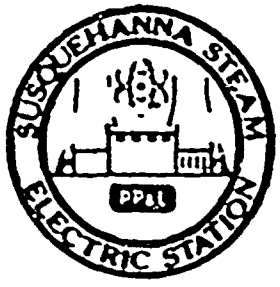
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	67,081
12. Number Of Hours Reactor Was Critical	744	744	51,047.4
13. Reactor Reserve Shutdown Hours	0	0	1032
14. Hours Generator On-Line	744	744	49,876.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,438,095	2,438,095	156,144,219
17 Gross Electrical Energy Generated (MWH)	810,498	810,498	50,964,118
18. Net Electrical Energy Generated (MWH)	781,668	781,668	48,932,343
19. Unit Service Factor	100	100	74.4
20. Unit Availability Factor	100	100	74.4
21. Unit Capacity Factor (Using MDC Net)	101.7	101.7	70.6
22. Unit Capacity Factor (Using DER Net)	100.1	100.1	69.5
23. Unit Forced Outage Rate	0	0	8.7

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

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 January 1991

DOCKET NO. 50-387
UNIT NAME One
DATE 2-8-91
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
None									No report required for January 1991.

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date January 1991

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

Challenges to Main Steam Safety Relief Valves

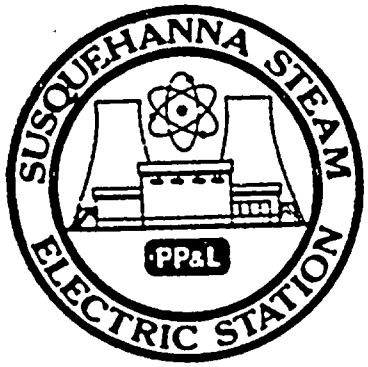
None

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 2-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH January 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1048	17	1050
2	1047	18	1052
3	1053	19	1052
4	990	20	1047
5	12	21	1038
6	0	22	1045
7	0	23	1053
8	0	24	1053
9	0	25	1054
10	149	26	1052
11	858	27	1049
12	1024	28	1051
13	1054	29	1051
14	1052	30	1049
15	1050	31	1052
16	1048		

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)

OPERATING DATA REPORT

DOCKET NO 50-388
DATE 2-8-91
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

OPERATING STATUS

1. Unit Name: Unit Two Susquehanna Steam Electric Station
2. Reporting Period: January 1991
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.
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

Notes

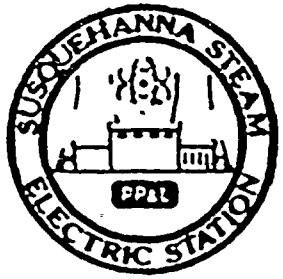
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	52,320
12. Number Of Hours Reactor Was Critical	654.2	654.2	43,516.9
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	623.2	623.2	42,663.0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,983,176	1,983,176	135,076,640
17. Gross Electrical Energy Generated (MWH)	650,737	650,737	44,245,856
18. Net Electrical Energy Generated (MWH)	625,495	625,495	42,576,873
19. Unit Service Factor	81.8	81.8	81.5
20. Unit Availability Factor	81.8	81.8	81.5
21. Unit Capacity Factor (Using MDC Net)	80.9	80.9	78.3
22. Unit Capacity Factor (Using DER Net)	80.1	80.1	77.5
23. Unit Forced Outage Rate	0	0	6.2

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 January 1991

DOCKET NO. 50-388
UNIT NAME Two
DATE 2-8-91
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
1	910104	S	120.8	B	1	NA	AD	SEAL	Unit Two commenced power reduction at 1950 hours January 4 for a scheduled maintenance outage. Unit was taken off line at 0357 hours January 5. Purpose of outage was to investigate and correct causes of loss of bearing oil from the "B" Recirc pump lube oil reservoir. An O-ring was replaced and a cracked oil line was repaired. Oil level switch circuitry was modified to allow operators to determine if oil level is high or low. Unit Two returned to service at 0444 hours January 10 and reach 100% power level at 0400 hours January 12.

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date: January 1991

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.