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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 Feb 1991 for Susquehanna SES Units 1 & 2.W/910314 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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PP&L 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

MAR 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-3544 FILE R41-2A

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

Dear Mr. McDonald:

The February 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. J.J. Raleigh, NRC Project Manager

IE24
1/1

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
UNIT One
DATE 3-8-91
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

MONTH February 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1054	17	1054
2	1054	18	1055
3	1051	19	1052
4	1052	20	1053
5	1044	21	1054
6	815	22	1054
7	1049	23	1055
8	1053	24	1055
9	1054	25	1055
10	1054	26	1056
11	1054	27	1054
12	1055	28	1054
13	1054	29	
14	1054	30	
15	1055	31	
16	1055		

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 3-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

OPERATING STATUS

1. Unit Name: Unit One Susquehanna Steam Electric Station
2. Reporting Period: February 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	672	1416	67,753
12. Number Of Hours Reactor Was Critical	672	1416	51,719.4
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	672	1416	50,548.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,188,721	4,626,816	158,332,940
17. Gross Electrical Energy Generated (MWH)	727,024	1,537,522	51,691,142
18. Net Electrical Energy Generated (MWH)	702,128	1,483,796	49,634,471
19. Unit Service Factor	100	100	74.6
20. Unit Availability Factor	100	100	74.6
21. Unit Capacity Factor (Using MDC Net)	101.1	101.4	70.9
22. Unit Capacity Factor (Using DER Net)	99.5	99.8	69.8
23. Unit Forced Outage Rate	0	0	8.6

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		

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1991

DOCKET NO. 50-387
UNIT NAME One
DATE 3-8-91
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	910205	F	0.0	A	5	None	SE	LI	At 2325 hours February 5, the extraction steam supply to the 3C feedwater heater automatically isolated due to high FW heater level. Reactor power was reduced to 80% by reducing recirc system flow. A solenoid valve on the normal drain valve for the 3C feedwater heater was replaced and the controller on the emergency dump valve for the heater was replaced. The C feedwater string was placed back in service and unit returned to 100% power at 0434 hours February 7.

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: February 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.

SUSQUEHANNA STEAM ELECTRIC STATION

PP&L

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388

UNIT Two

DATE 3-8-91

COMPLETED BY K.A. Young

TELEPHONE (717)542-3251

MONTH February 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1047	17	1025
2	982	18	1022
3	1048	19	1013
4	1049	20	1008
5	1045	21	1007
6	1047	22	1002
7	1047	23	1004
8	1050	24	997
9	1049	25	994
10	1049	26	991
11	1052	27	984
12	1048	28	979
13	1044	29	
14	1036	30	
15	1035	31	
16	1031		

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 3-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

OPERATING STATUS

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

Notes

Fuel depletion coastdown commenced February 12.

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	672	1416	52,992
12. Number Of Hours Reactor Was Critical	672	1,326.2	44,188.9
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	672	1,295.2	43,335.0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,171,108	4,154,284	137,247,748
17. Gross Electrical Energy Generated (MWH)	714,428	1,365,165	44,960,284
18. Net Electrical Energy Generated (MWH)	688,413	1,313,908	43,265,286
19. Unit Service Factor	100	91.5	81.8
20. Unit Availability Factor	100	91.5	81.8
21. Unit Capacity Factor (Using MDC Net)	98.6	89.3	78.6
22. Unit Capacity Factor (Using DER Net)	97.6	88.4	77.8
23. Unit Forced Outage Rate	0	0	6.1

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 February 1991

DOCKET NO. 50-388
UNIT NAME Two
DATE 3-8-91
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 February 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 50-388 Date: Feburary 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.