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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 rpts for Mar 1989 for Susquehanna SES Units 1 & 2.W/890417 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 12
TITLE: Monthly Operating Report (per Tech Specs)

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PP&L Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101 • 215/770-5151

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

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

APR 17 1989

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-3183 FILE R41-2A

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

Dear Mr. McDonald:

The March 1989 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

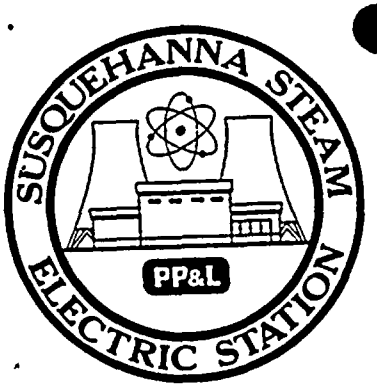
H. W. Keiser

Attachment

cc: Document Control Desk (Original)
NRC Region I
Mr. F. I. Young - NRC Sr. Resident Inspector
Mr. M. C. Thadani - NRC Project Manager

IE24
1/1

APR 17 1989



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
UNIT One
DATE 04/06/89
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH March, 1989

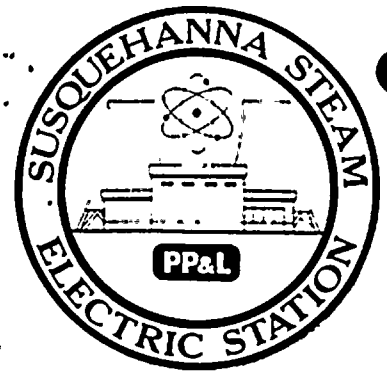
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1052	17	1004
2	1051	18	1006
3	1046	19	1052
4	1049	20	1052
5	1051	21	1050
6	1053	22	1051
7	1052	23	1050
8	1051	24	1050
9	1050	25	1047
10	1015	26	1044
11	607	27	1041
12	926	28	1031
13	1052	29	112
14	1050	30	0
15	1040	31	0
16	1045		

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)

IE24
1/1



OPERATING DATA REPORT

DOCKET NO. 50-387
DATE 04/06/89
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

OPERATING STATUS

1. Unit Name: Unit One Susquehanna Steam Electric Station
2. Reporting Period: March, 1989
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): 1068.5
7. Maximum Dependable Capacity (Net MWe): 1032
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

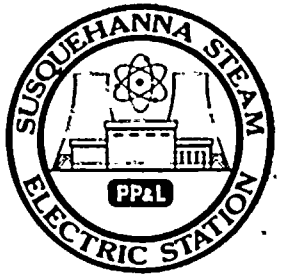
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,160	50,977
12. Number Of Hours Reactor Was Critical	695.3	1,721.05	38,662.9
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	680.2	1,640.5	37,793.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,179,565	5,179,220	117,782,731
17. Gross Electrical Energy Generated (MWH)	717,082	1,705,432	38,429,292
18. Net Electrical Energy Generated (MWH)	689,634	1,634,426	36,879,907
19. Unit Service Factor	91.4	76.0	74.1
20. Unit Availability Factor	91.4	76.0	74.1
21. Unit Capacity Factor (Using MDC Net)	89.8	73.3	70.1
22. Unit Capacity Factor (Using DER Net)	88.3	72.1	68.9
23. Unit Forced Outage Rate	2.3	22.3	10.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Unit one commenced its fourth refueling outage on March 30, 1989. Duration of this outage plan is eleven weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 16, 1989
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 March, 1989

DOCKET NO. 50-387
UNIT NAME One
DATE 04/06/89
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
4	890310	S	0	B	5	N/A	ZZ	ZZZ	Commencing at 2100 hours March 10, unit one reactor power was reduced to 60% level. Scheduled maintenance performed included repairs to 4A feedwater heater emergency dump valve and a control rod pattern adjustment. Reactor power returned to 100% level at 1900 hours March 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

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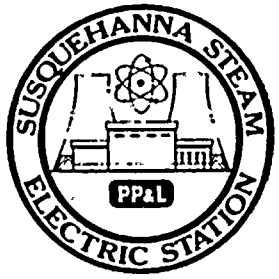

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1989

DOCKET NO. 50-387
UNIT NAME One
DATE 04/06/89
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
5	890329	F	15.8	A	1	N/A	NN	EXJ	Unit 1 was manually shutdown at 0811 hours March 29 due to a leaking expansion joint on the circulating water system. Leak rate had increased from previous day. Management decision was made to commence the planned refueling outage scheduled for April 1. Expansion joint is scheduled for repair during refuel outage.

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)

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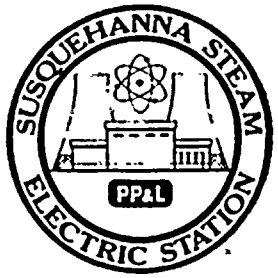

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1989

DOCKET NO. 50-387
UNIT NAME One
DATE 04/06/89
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	890330	S	48	C	9	N/A	XX	ZZZ	Forced outage of 890329 was converted to planned fourth refuel and inspection outage 4RIO as of midnight March 29. 4RIO was originally scheduled to commence on April.1. Planned outage length is for eleven weeks with estimated return to power date of June 16, 1989.

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)

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5-Reduction
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5
Exhibit I - Same Source

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 04/06/89

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

Challenges to Main Steam Safety Relief Valves

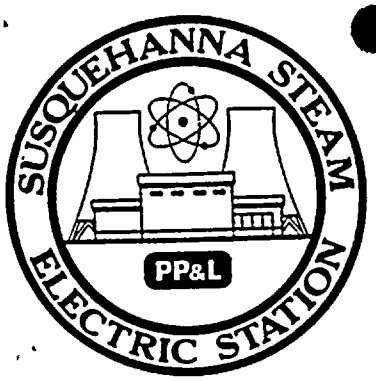
None

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 04/06/89
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

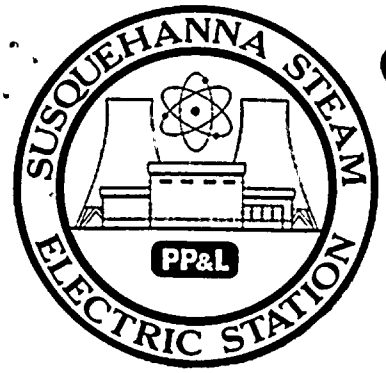
MONTH March, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	126
3	0	19	909
4	0	20	1021
5	49	21	1057
6	557	22	1057
7	740	23	1058
8	782	24	1057
9	799	25	1055
10	727	26	1054
11	693	27	1048
12	829	28	1043
13	828	29	1043
14	676	30	1049
15	0	31	1050
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)



OPERATING DATA REPORT

DOCKET NO. 50-388
DATE 04/06/89
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1989
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): 1074.3
7. Maximum Dependable Capacity (Net MWe): 1037.8
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	2,160	36,216
12. Number Of Hours Reactor Was Critical	597.8	1,987.2	29,736.1
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	547.9	1,937.2	29,085.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,561,337	6,077,173	91,452,776
17. Gross Electrical Energy Generated (MWH)	506,222	2,007,030	29,953,859
18. Net Electrical Energy Generated (MWH)	484,616	1,931,957	28,822,018
19. Unit Service Factor	73.6	89.7	80.3
20. Unit Availability Factor	73.6	89.7	80.3
21. Unit Capacity Factor (Using MDC Net)	62.8	86.2	76.7
22. Unit Capacity Factor (Using DER Net)	62.0	85.2	75.8
23. Unit Forced Outage Rate	16.8	6.6	7.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Unit two is scheduled for a refueling outage on September 9, 1989. Duration of this outage plan is eleven weeks.
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 March, 1989

DOCKET NO. 50-388
UNIT NAME Two
DATE 04/06/89
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
2 (Continued from Feb. Report)	890227	F	110.6	A	4	89-03 (February reported LER # is corrected to identify # as above)	JM	ISV	Continuation of forced outage for 4 hour LCO for an inoperative containment isolation valve HV2892B2. (See February 1989 report). Maintenance activities were completed and power ascension commenced at 1436 hours March 5.

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
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H-Other (Explain)

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Method:
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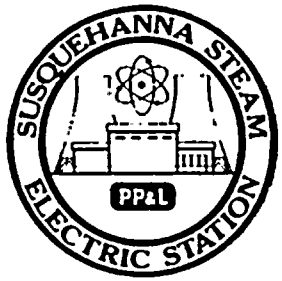

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1989

DOCKET NO. 50-388
UNIT NAME Two
DATE 04/06/89
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
3	890314	S	85.5	B	1	N/A	SJ	V	During power ascension following Unit Two outage no. 2, the 'B' reactor feedwater pump discharge valve would not open. Maximum power level was restricted to 80%. Unit 2 was manually shutdown at 2338 hours March 14 for a scheduled maintenance outage to repair HV20603B. Valve was restored to operable status and unit startup commenced at 1310 hours March 18. Valve HV20603B is scheduled for complete rework during Unit 2's third refuel outage in September 1989.

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)

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Exhibit I - Same Source

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 04/06/89

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