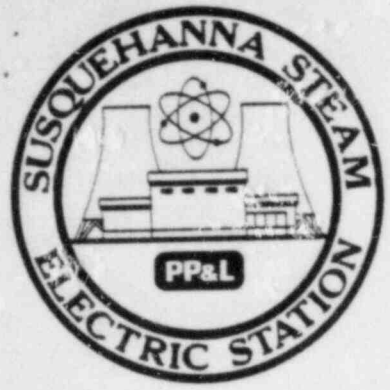

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
UNIT One
DATE 11-08-84
COMPLETED BY L.A. Kuczynski
TELEPHONE (717)542-3759

MONTH October, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1033	17	54
2	994	18	432
3	962	19	0
4	1047	20	0
5	1040	21	0
6	626	22	139
7	593	23	569
8	835	24	786
9	1007	25	1029
10	1000	26	1005
11	964	27	694
12	736	28	821
13	22	29	980
14	0	30	942
15	0	31	1042
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.

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SUSQUEHANNA STEAM ELECTRIC STATION

PP&L

OPERATING DATA REPORT

DOCKET NO. 50-387
DATE 11-08-84
COMPLETED BY L.A. Kuczynski
TELEPHONE (717)542-3759

OPERATING STATUS

Unit 1

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: October, 1984
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1068
7. Maximum Dependable Capacity (Net MWe): 1032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
   None

Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	7,320	12,289
12. Number Of Hours Reactor Was Critical	586.8	5,200.3	9,045.6
13. Reactor Reserve Shutdown Hours	65.6	314.7	471.4
14. Hours Generator On-Line	554.8	5,043.7	8,812
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,487,312	15,161,312	26,422,937
17. Gross Electrical Energy Generated (MWH)	485,360	4,939,090	8,605,640
18. Net Electrical Energy Generated (MWH)	465,231	4,754,056	8,290,429
19. Unit Service Factor	74.5	68.9	71.7
20. Unit Availability Factor	74.5	68.9	71.7
21. Unit Capacity Factor (Using MDC Net)	60.5	62.9	65.4
22. Unit Capacity Factor (Using DER Net)	58.6	61	63.3
23. Unit Forced Outage Rate	25.5	16.7	14.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refueling Outage; February 9, 1985; 15 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1984

DOCKET NO. 50-387
UNIT NAME One
DATE 11-08-84
COMPLETED BY L.A. Kuczynski
TELEPHONE (717)542-3759

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
14	841006	S	0	H	5	NA	RC	FUELXX	Scheduled power reduction to optimize fuel use until refueling outage. Control rod scram timing tests were also performed.
15*	841012	F	0	A	5	NA	RB	VALVEX	Controlled power reduction begun in anticipation of Unit shutdown required to replace disc holder assemblies in scram pilot solenoid valves.
16	841013	F	105.2	A	2	NA	RB	VALVEX	Reactor scram to shutdown unit during replacement of disc holder assemblies in scram pilot solenoid valves.
17	841018	F	85	B	2	84-045	RB	VALVEX	Reactor scram required to perform 18-month surveillance of scram discharge volume vent and drain valves. Surveillance failed on first attempt. Valves were replaced and surveillance successfully rerun on 10-21-84.
18	841027	S	0	H	5	NA	RC	FUELXX	Scheduled power reduction to optimize fuel use until refueling 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)

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 1
SUSQUEHANNA STEAM ELECTRIC STATION

Docket No. 50-387
Date 11-08-84
Completed by L.A. Kuczynski
Telephone (717)542-3759

Challenges to Main Steam Safety Relief Valves

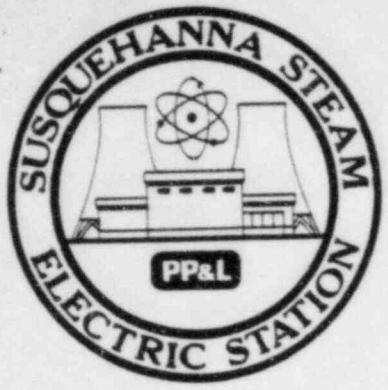
None.

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 11-08-84
COMPLETED BY L.A. Kuczynski
TELEPHONE (717)542-3759

MONTH October, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	346	19	201
4	801	20	552
5	963	21	549
6	1017	22	560
7	1004	23	728
8	1001	24	950
9	995	25	1054
10	759	26	1053
11	961	27	63
12	762	28	0
13	40	29	0
14	0	30	0
15	0	31	0
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 11-08-84
COMPLETED BY L.A. Kuczynski
TELEPHONE (717)542-3759

OPERATING STATUS

1. Unit Name: Unit 2 Susquehanna Steam Electric Station
2. Reporting Period: October, 1984
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): *
7. Maximum Dependable Capacity (Net MWe): *
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
   None
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

Notes

* To be determined.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	2,892	2,892
12. Number Of Hours Reactor Was Critical	492.5	2,145.9	2,145.9
13. Reactor Reserve Shutdown Hours	0	495	495
14. Hours Generator On-Line	435.6	1,769.3	1,769.3
15. Unit Reserve Shutdown Hours	0	142.4	142.4
16. Gross Thermal Energy Generated (MWH)	1,099,651	3,227,193	3,227,193
17. Gross Electrical Energy Generated (MWH)	359,970	989,040	989,040
18. Net Electrical Energy Generated (MWH)	344,563	932,026	932,026
19. Unit Service Factor	NA	NA	NA
20. Unit Availability Factor	NA	NA	NA
21. Unit Capacity Factor (Using MDC Net)	NA	NA	NA
22. Unit Capacity Factor (Using DER Net)	NA	NA	NA
23. Unit Forced Outage Rate	NA	NA	NA

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: December 26, 1984
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	05/09/84	05/08/84
INITIAL ELECTRICITY	06/28/84	07/03/84
COMMERCIAL OPERATION	01/31/85	

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1984

DOCKET NO. 50-388
UNIT NAME Two
DATE 11-08-84
COMPLETED BY L.A. Kuczynski
TELEPHONE (717)542-3759

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
13	840930	F	46	A	3	84-021	CC	INSTRU	Reactor scram due to turbine trip on high level in moisture separator drain tank. Modifications to the moisture separator drain tank level control system are planned and will prevent recurrence.
14	841010	S	0	B	5	NA	NA	NA	Power reduction for scheduled startup testing.
15	841013	F	144.2	B	2	NA	RB	VALVEX	Reactor scram to shutdown Unit during replacement of disc holder assemblies in scram pilot solenoid valves.
16	841027	S	119.2	B	3	NA	NA	NA	Reactor scram as part of scheduled startup testing. Pre-commercial outage commenced.

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 2
SUSQUEHANNA STEAM ELECTRIC STATION

Docket No. 50-388
Date 11-08-84
Completed by L.A. Kuczynski
Telephone (717) 542-3759

Challenges to Main Steam Safety Relief Valves

Following the scram of October 27, 1984, SRV 'E' actuated twice. For the first actuation, the SRV opened automatically and was closed manually. The second actuation was entirely manual.

OPEN	CLOSED	RX PRESSURE (psig) AT SRV OPEN	RX PRESSURE (psig) AT SRV CLOSED
01:52:59	01:58:49	1073	829
02:03:07	02:04:43	1074	904

On October 28, 1984, SRV 'S' was manually actuated to reduce reactor pressure to aid reactor cooldown at the start of the Pre-Commercial Outage.

02:39:49	03:20:20	160	71

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None

rmh/rpk201280a

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

Bruce D. Kenyon
Vice President-Nuclear Operations
215/770-7502

NOV 15 1984

Director, Data Automation &
Management Information Division
Attention: Mr. M. R. Beebe
Management Information Branch
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
ER 100450 FILE 841
PLA-2349

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

Dear Mr. Beebe:

The October 1984 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

B. D. Kenyon
Vice President-Nuclear Operations

Attachment

cc: Dr. Thomas E. Murley
Regional Administrator-Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
Attn: Document Control Desk (12 copies)

Mr. R. H. Jacobs - NRC
Mr. R. L. Perch - NRC

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

Mr. Thomas E. Pollog
Department of Environmental Resources
Bureau of Radiation Protection
P.O. Box 2063
Harrisburg, PA 17120

IE24
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