

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE April 9, 1985

COMPLETED BY L.A. Kuczynski

TELEPHONE 717-542-3759

MONTH March, 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

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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PDR ADOCK 05000387
R PDR

(9/77)

IE24
Y1



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE April 9, 1985
 COMPLETED BY L.A. Kuczynski
 TELEPHONE 717-542-3759

OPERATING STATUS

Unit 1

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1985
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

Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>2,160</u>	<u>15,913</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>896</u>	<u>11,288.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>41.8</u>	<u>513.2</u>
14. Hours Generator On-Line	<u>0</u>	<u>883.9</u>	<u>11,030.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>2,529,543</u>	<u>33,158,531</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>823,150</u>	<u>10,813,680</u>
18. Net Electrical Energy Generated (MWH)	<u>- 5,682</u>	<u>774,140</u>	<u>10,354,710</u>
19. Unit Service Factor	<u>0</u>	<u>40.9</u>	<u>69.3</u>
20. Unit Availability Factor	<u>0</u>	<u>40.9</u>	<u>69.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>34.7</u>	<u>63.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>33.6</u>	<u>61.1</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>5.8</u>	<u>13.4</u>

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: June 13, 1985

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1985

DOCKET NO. 50-387
 UNIT NAME One
 DATE April 9, 1985
 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
2	850209	S	744	C	4	NA	NA	NA	Manual scram to commence first refueling outage.

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

REFUELING INFORMATION

DATE: 4-1-85

1. Name of facility. Susquehanna SES - Unit 1
2. Scheduled date for next refueling shutdown. 2-15-86
3. Scheduled date for restart following refueling. 5-9-86
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
If answer is yes, what, in general, will these be?
If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?
Yes, MCPR Spec., MAPLHGR Spec., New 'fuel bundle enrichment' and 'Gadolinia design'.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. 1-9-86
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.
None
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 764* b) 192*
*following current refueling outage
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
present 2840 increase size by 0
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

DATE: 2001**

- **based on:
- 1) both pools (Units 1 & 2) are available for both units and capable of being shared.
 - 2) must be able to offload one full core between both pools -
i.e. $2840 - (1/2 \times 764) = 2458$ available capacity per pool.
 - 3) assumes use of high burnup fuel designs in 18 month cycles.

UNIT 1

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387
Date April 9, 1985
Completed by L.A. Kuczynski
Telephone 717-542-3759

Challenges to Main Steam Safety Relief Valves

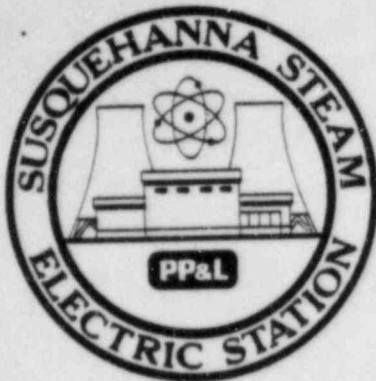
None

Changes to the Offsite Dose Calculations Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388

UNIT Two

DATE April 9, 1985

COMPLETED BY L.A. Kuczynski

TELEPHONE 717-542-3759

MONTH March, 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1057</u>
2	<u>1057</u>
3	<u>1059</u>
4	<u>1058</u>
5	<u>1059</u>
6	<u>1059</u>
7	<u>1059</u>
8	<u>1055</u>
9	<u>1058</u>
10	<u>1056</u>
11	<u>1057</u>
12	<u>1056</u>
13	<u>1056</u>
14	<u>1057</u>
15	<u>1059</u>
16	<u>1058</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1057</u>
18	<u>1057</u>
19	<u>1055</u>
20	<u>1006</u>
21	<u>132</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>648</u>
27	<u>941</u>
28	<u>1041</u>
29	<u>1040</u>
30	<u>818</u>
31	<u>835</u>

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.



OPERATING DATA REPORT

DOCKET NO. 50-388
 DATE April 9, 1985
 COMPLETED BY L.A. Kuczynski
 TELEPHONE 717-542-3759

OPERATING STATUS

Unit 2

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1985
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

Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>1,152</u>	<u>1,152</u>
12. Number Of Hours Reactor Was Critical	<u>661.9</u>	<u>1,069.9</u>	<u>1,069.9</u>
13. Reactor Reserve Shutdown Hours	<u>82.1</u>	<u>82.1</u>	<u>82.1</u>
14. Hours Generator On-Line	<u>640.1</u>	<u>1,048.1</u>	<u>1,048.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,005,496</u>	<u>3,299,245</u>	<u>3,299,245</u>
17. Gross Electrical Energy Generated (MWH)	<u>659,968</u>	<u>1,087,414</u>	<u>1,087,414</u>
18. Net Electrical Energy Generated (MWH)	<u>636,089</u>	<u>1,049,147</u>	<u>1,049,147</u>
19. Unit Service Factor	<u>86.0</u>	<u>91</u>	<u>91</u>
20. Unit Availability Factor	<u>86.0</u>	<u>91</u>	<u>91</u>
21. Unit Capacity Factor (Using MDC Net)	<u>82.8</u>	<u>88.2</u>	<u>88.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>80.3</u>	<u>85.5</u>	<u>85.5</u>
23. Unit Forced Outage Rate	<u>14.0</u>	<u>9.0</u>	<u>9.0</u>

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: N/A

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

Forecast

Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1985

DOCKET NO. 50-388
 UNIT NAME Two
 DATE April 9, 1985
 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
6	850321	F	103.9	A	2	85-013-00	HA/HH	PIPEXX	The reactor was scrammed (following a power reduction to 14% to repair a stator cooling water leak) to facilitate repairs of a leak in the condensate system. The stator cooling water leak was reduced to approximately 2 drops/minute after the application of a special epoxy to the cooling water line to the generator neutral phase bushing. The condensate system leak was repaired and the Unit returned to service.
7	850329	F	0	A	5	NA	CH	INSTRU	Power reduction for Reactor Feed Pump 'C' flow element flange leak repair.

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

REFUELING INFORMATION

DATE: 4-1-85

1. Name of facility. Susquehanna SES - Unit 2
2. Scheduled date for next refueling shutdown. 8-2-86
3. Scheduled date for restart following refueling. 11-14-86
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
If answer is yes, what, in general, will these be?
If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?
Yes, Possibly Safety Limit MCPR, Reactivity Anomaly Spec., MCPR Spec.,
MAPLHGR Spec., APRM Setpoints Spec., LHGR Spec., EOC RPT Instrumentation
Spec., Spent Fuel Pool Criticality Reanalysis. Possible changes to
Tech Spec. Design features section also.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. 7-17-86
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.
Use of Exxon's new 9 x 9 fuel design. Will involve significant
changes in fuel bundle mechanical & nuclear design.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 764 b) 0
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
present 2840 increase size by 0
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

DATE: 2001*

- *based on:
- 1) both pools (Units 1 & 2) are available for both units and capable of being shared.
 - 2) must be able to offload one full core between both pools -
i.e. $2840 - (1/2 \times 764) = 2458$ available capacity per pool.
 - 3) assumes use of high burnup fuel designs in 18 month cycles.

UNIT 2

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388
Date April 9, 1985
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



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

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

APR 15 1985

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-2442

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

Dear Mr. Beebe:

The March 1985 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

This month's reports include updated refueling information.

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
Ms. M. J. Campagnone - NRC

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