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ACCESSION NBR: 9103190074 DOC. DATE: 91/02/28 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH. NAME AUTHOR AFFILIATION
 YOUNG, K.A. Pennsylvania Power & Light Co.
 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Feb 1991 for Susquehanna SES Units 1 & 2. W/910314 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 9
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: LPDR 1 cy Transcripts. 05000387
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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

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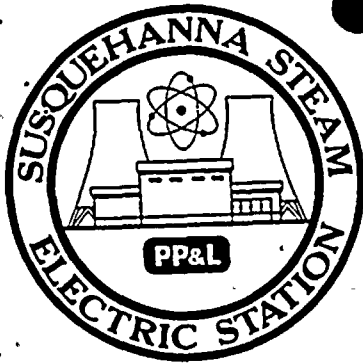


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AVERAGE DAILY UNIT POWER LEVEL

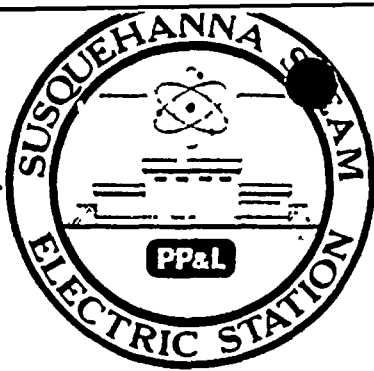
DOCKET NO. 50-387
UNIT One
DATE 3-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH February 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1054</u>	17	<u>1054</u>
2	<u>1054</u>	18	<u>1055</u>
3	<u>1051</u>	19	<u>1052</u>
4	<u>1052</u>	20	<u>1053</u>
5	<u>1044</u>	21	<u>1054</u>
6	<u>815</u>	22	<u>1054</u>
7	<u>1049</u>	23	<u>1055</u>
8	<u>1053</u>	24	<u>1055</u>
9	<u>1054</u>	25	<u>1055</u>
10	<u>1054</u>	26	<u>1056</u>
11	<u>1054</u>	27	<u>1054</u>
12	<u>1055</u>	28	<u>1054</u>
13	<u>1054</u>	29	<u> </u>
14	<u>1054</u>	30	<u> </u>
15	<u>1055</u>	31	<u> </u>
16	<u>1055</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. 50-387
 DATE 3-8-91
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

- Unit One
1. Unit Name: Susquehanna Steam Electric Station
 2. Reporting Period: 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
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made.

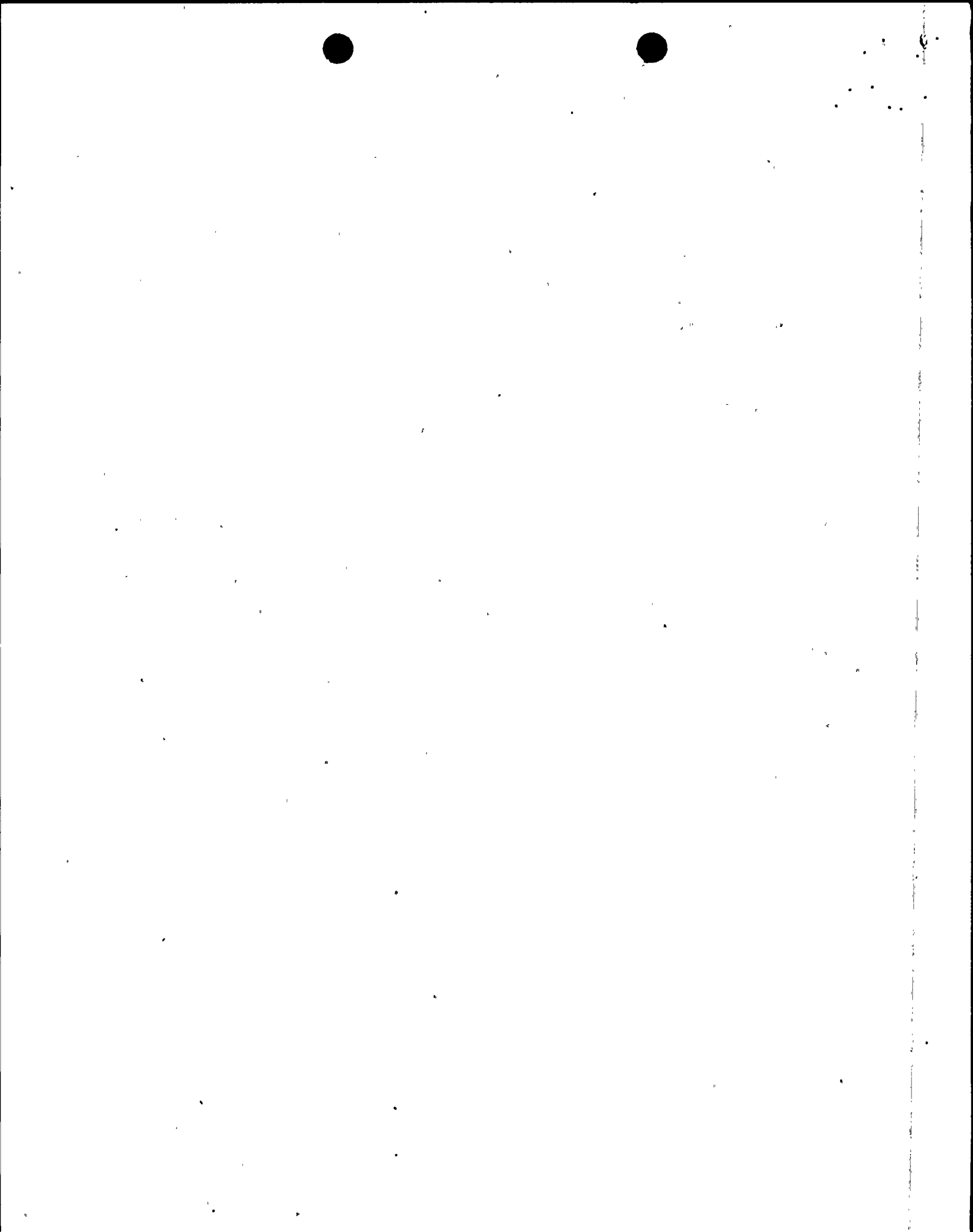
Notes

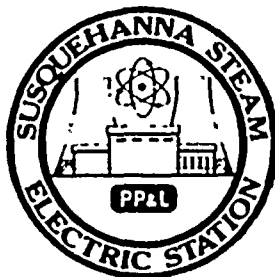
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	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	_____	_____





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 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

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.

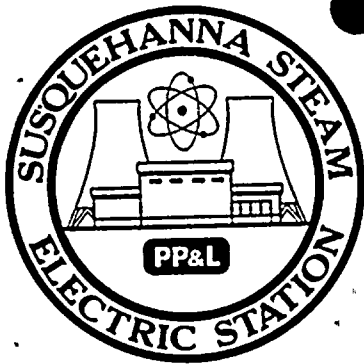
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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by proper documentation and that the books should be kept up-to-date at all times.

The second part of the document outlines the various methods used to collect and analyze data. It describes the process of gathering information from different sources and how it is then processed to identify trends and patterns.

The third part of the document provides a detailed analysis of the data collected. It includes a breakdown of the results and a discussion of the factors that may have influenced the outcomes.

The final part of the document offers conclusions and recommendations based on the findings. It suggests ways to improve the current process and provides guidance for future research and implementation.



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388
UNIT Two
DATE 3-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

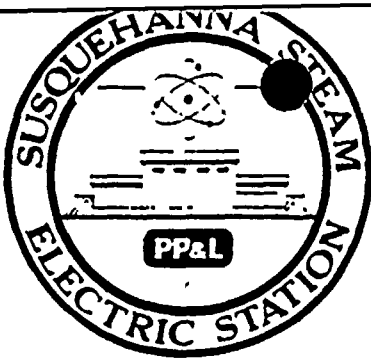
MONTH February 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1047</u>	17	<u>1025</u>
2	<u>982</u>	18	<u>1022</u>
3	<u>1048</u>	19	<u>1013</u>
4	<u>1049</u>	20	<u>1008</u>
5	<u>1045</u>	21	<u>1007</u>
6	<u>1047</u>	22	<u>1002</u>
7	<u>1047</u>	23	<u>1004</u>
8	<u>1050</u>	24	<u>997</u>
9	<u>1049</u>	25	<u>994</u>
10	<u>1049</u>	26	<u>991</u>
11	<u>1052</u>	27	<u>984</u>
12	<u>1048</u>	28	<u>979</u>
13	<u>1044</u>	29	<u> </u>
14	<u>1036</u>	30	<u> </u>
15	<u>1035</u>	31	<u> </u>
16	<u>1031</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 3-8-91
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

- Unit Two
 1. Unit Name: 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
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made.

Notes
 Fuel depletion coastdown commenced February 12.

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

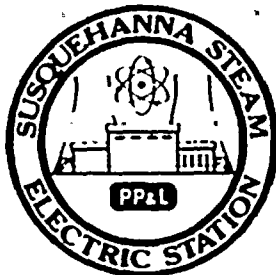
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit Two is scheduled for its Fourth Refueling and Inspection Outage from March 9, 1991 through May 24, 1991

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	_____	_____





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

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⁵
 Exhibit I - Same Source



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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.

1964
10/10/64

Dear Mr. [Name]

I am pleased to hear from you and to hear that you are well.

I am sorry to hear that you are still in hospital.

I hope you will be able to return home soon.

I am sure you will be back in good health.

Yours faithfully,

[Signature]