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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, W.H. Pennsylvania Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

MCDONALD, W.G. Office of Information Resources Management (Post 890205)

SUBJECT: Monthly operating repts for Dec 1990 for Susquehanna Steam
Electric Station, Units 1 & 2. W/910115 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
LPDR 1 cy Transcripts. 05000388

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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

JAN 15 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-3506 FILE R41-2A

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

Dear Mr. McDonald:

The December 1990 monthly operating reports for Susquehanna SES
Units 1 and 2 are attached.

Very truly yours,

H.W. Keiser/whk
H. W. Keiser

Attachment

cc: Document Control Desk (original)
NRC Region I
Mr. G.S. Barber, NRC Resident Inspector
Mr. M.C. Thadani, NRC Project Manager

9101230260 901231
PDR ADOCK 05000387
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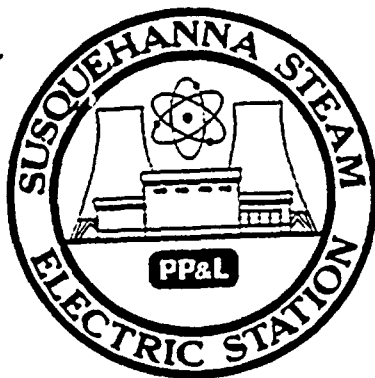
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AVERAGE DAILY UNIT POWER LEVEL

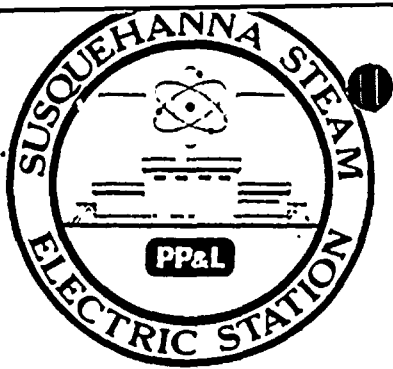
DOCKET NO. 50-387
UNIT One
DATE 1-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH December 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>890</u>	17	<u>1057</u>
2	<u>26</u>	18	<u>1056</u>
3	<u>0</u>	19	<u>1054</u>
4	<u>0</u>	20	<u>1055</u>
5	<u>0</u>	21	<u>1052</u>
6	<u>0</u>	22	<u>1048</u>
7	<u>191</u>	23	<u>1047</u>
8	<u>889</u>	24	<u>970</u>
9	<u>975</u>	25	<u>1055</u>
10	<u>1055</u>	26	<u>1054</u>
11	<u>1052</u>	27	<u>1054</u>
12	<u>920</u>	28	<u>1053</u>
13	<u>946</u>	29	<u>1053</u>
14	<u>1025</u>	30	<u>1051</u>
15	<u>1054</u>	31	<u>1055</u>
16	<u>1052</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 1-8-91
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: December 1990
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

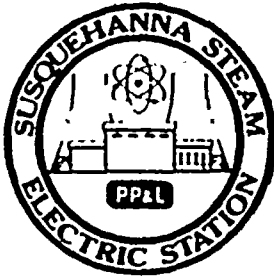
Notes

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	<u>744</u>	<u>8760</u>	<u>66,337</u>
12. Number Of Hours Reactor Was Critical	<u>647.2</u>	<u>6769.1</u>	<u>50,303.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>617.3</u>	<u>6530.7</u>	<u>49,132.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,936,994</u>	<u>20,535,478</u>	<u>153,706,124</u>
17. Gross Electrical Energy Generated (MWH)	<u>642,026</u>	<u>6,695,780</u>	<u>50,153,620</u>
18. Net Electrical Energy Generated (MWH)	<u>617,700</u>	<u>6,436,003</u>	<u>48,150,675</u>
19. Unit Service Factor	<u>83.0</u>	<u>74.6</u>	<u>74.1</u>
20. Unit Availability Factor	<u>83.0</u>	<u>74.6</u>	<u>74.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>80.4</u>	<u>71.1</u>	<u>70.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>79.1</u>	<u>70.0</u>	<u>69.1</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>4.3</u>	<u>8.8</u>
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 December 1990

DOCKET NO. 50-387
 UNIT NAME One
 DATE 1-8-91
 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
12	901202	S	126.7	B	1	None	TG	FCV	Unit One was manually shutdown at 430 hours December 2 for a scheduled maintenance outage. Maintenance items included an EHC leak at the #1 bypass valve that could not be repaired at power, and "A" reactor recirculation pump first stage seal with indications of improper staging. Repairs were made in accordance with work plan schedule. Unit returned to service at 1114 hours December 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: December 1990

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.



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 a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

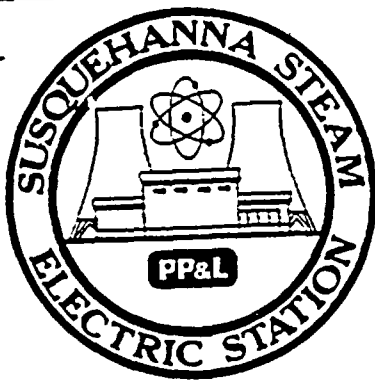
The second section focuses on the role of technology in modern accounting. It highlights how software solutions can streamline processes, reduce errors, and provide real-time insights into financial performance.

The third part of the document addresses the challenges of budgeting and cost control. It offers practical advice on how to set realistic budgets, track expenses, and identify areas where costs can be reduced without compromising quality.

The final section discusses the importance of staying up-to-date with changes in tax laws and regulations. It suggests that businesses should consult with a professional advisor to ensure they are in full compliance and taking advantage of all available deductions and credits.

In conclusion, effective financial management is essential for the long-term success of any business. By implementing sound accounting practices, leveraging technology, and staying informed about regulatory changes, businesses can optimize their financial performance and ensure a secure future.

This document is intended to provide a general overview of key financial management concepts. For more detailed information, please refer to the full report or consult with a qualified professional.



AVERAGE DAILY UNIT POWER LEVEL

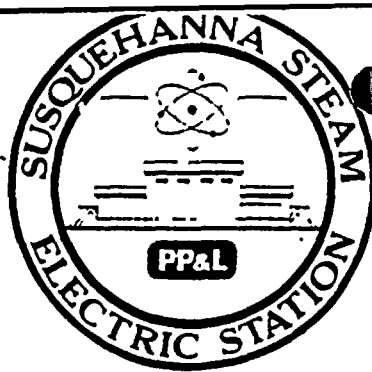
DOCKET NO. 50-388
UNIT Two
DATE 1-8-91
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

MONTH December 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1051</u>	17	<u>439</u>
2	<u>1048</u>	18	<u>955</u>
3	<u>1046</u>	19	<u>1049</u>
4	<u>1044</u>	20	<u>1052</u>
5	<u>1040</u>	21	<u>1046</u>
6	<u>1049</u>	22	<u>1043</u>
7	<u>1050</u>	23	<u>1041</u>
8	<u>1051</u>	24	<u>947</u>
9	<u>1048</u>	25	<u>1053</u>
10	<u>1047</u>	26	<u>1051</u>
11	<u>1052</u>	27	<u>1050</u>
12	<u>1050</u>	28	<u>1050</u>
13	<u>1048</u>	29	<u>1041</u>
14	<u>1027</u>	30	<u>1037</u>
15	<u>50</u>	31	<u>1051</u>
16	<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.



OPERATING DATA REPORT

DOCKET NO. 50-388
 DATE 1-8-91
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

- Unit Two
1. Unit Name: Susquehanna Steam Electric Station
 2. Reporting Period: December 1990
 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

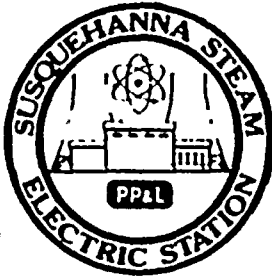
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8760</u>	<u>51,576</u>
12. Number Of Hours Reactor Was Critical	<u>721.5</u>	<u>8197.5</u>	<u>42,862.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>707.6</u>	<u>8144.5</u>	<u>42,039.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,253,605</u>	<u>26,285,489</u>	<u>133,093,464</u>
17. Gross Electrical Energy Generated (MWH)	<u>737,796</u>	<u>8,607,206</u>	<u>43,595,119</u>
18. Net Electrical Energy Generated (MWH)	<u>710,424</u>	<u>8,290,697</u>	<u>41,951,378</u>
19. Unit Service Factor	<u>95.1</u>	<u>93.0</u>	<u>81.5</u>
20. Unit Availability Factor	<u>95.1</u>	<u>93.0</u>	<u>81.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>91.9</u>	<u>91.1</u>	<u>78.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.9</u>	<u>90.1</u>	<u>77.5</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>5.0</u>	<u>6.3</u>

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 December 1990

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 1-8-91
 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
8	901215	S	36.4	B	1	None	AD	P	Unit Two shutdown at 0835 hours on December 15 for a scheduled maintenance outage. The "B" reactor recirculation pump motor bearing oil reservoir had a low level indication. Containment entry was made to add oil to reservoir. Determination was made based on extrapolating historical operating data that unit would be able to run to scheduled refueling outage March 9, 1991. Unit returned to service at 2100 hours December 16.

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
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 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 50-388

Date: December 1990

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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I have the honor to acknowledge the receipt of your letter of the 15th inst. regarding the matter mentioned therein. The same has been referred to the appropriate authorities for their consideration.

Very respectfully,
 [Signature]