

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8802180127 DOC. DATE: 88/01/31 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
 HIRT, J. A. Pennsylvania Power & Light Co.
 KEISER, H. W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

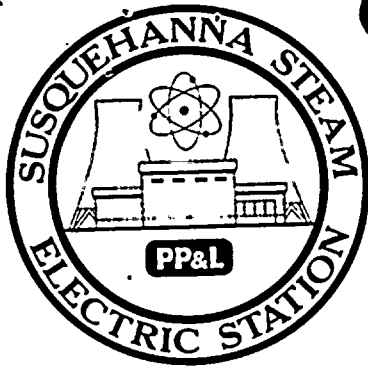
MCDONALD, W. G. Office of Administration & Resources Management, Director (

SUBJECT: Monthly operating repts for Jan 1988. W/880210 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys Transcripts. 05000387
 1cy NMSS/FCAF/PM. LPDR 2cys Transcripts. 05000388

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTTR	ENCL		ID CODE/NAME		LTTR	ENCL
	PD1-2 LA		1	0		PD1-2 PD		5	5
	THADANI, M		1	0					
INTERNAL:	ACRS		10	10		AEOD/DOA		1	1
	AEOD/DSP/TPAB		1	1		ARM TECH ADV		2	2
	NRR/DLPQ/PEB		1	1		NRR/DOEA/EAB		1	1
	NRR/DREP/RPB		1	1		NRR/PMAS/ILRB		1	1
	REG FILE 01		1	1		RGN1		1	1
EXTERNAL:	EG&G GROH, M		1	1		LPDR		2	2
	NRC PDR		1	1		NSIC		1	1
NOTES:			3	3					



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
 UNIT One
 DATE 02/02/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

MONTH January, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	896	17	1051
2	621	18	1052
3	637	19	1053
4	1028	20	1053
5	730	21	1053
6	1005	22	1054
7	1055	23	945
8	1053	24	875
9	1054	25	1052
10	1055	26	1053
11	1054	27	1054
12	1053	28	1053
13	1052	29	1054
14	1054	30	1052
15	1052	31	1050
16	1053		

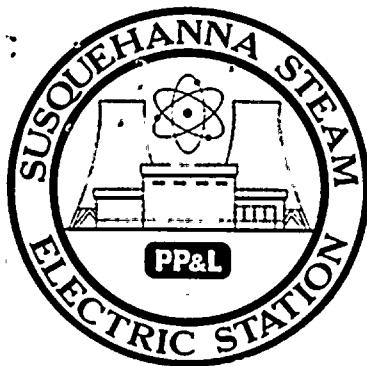
INSTRUCTIONS

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)

8802180127 880131
 PDR ADDCK 05000387
 R PDR

1024D
 1/1



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 02/02/88
 COMPLETED BY J. A. Hirt
 TELEPHONE (717)542-3917

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: January, 1988
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

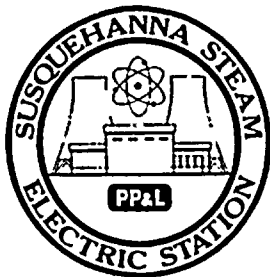
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>744</u>	<u>40,777</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>744</u>	<u>29,396.1</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>812.7</u>
14. Hours Generator On-Line	<u>744</u>	<u>744</u>	<u>28,691</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,332,167</u>	<u>2,332,167</u>	<u>88,385,644</u>
17. Gross Electrical Energy Generated (MWH)	<u>771,444</u>	<u>771,444</u>	<u>28,782,043</u>
18. Net Electrical Energy Generated (MWH)	<u>742,903</u>	<u>742,903</u>	<u>27,584,131</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>70.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>70.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.8</u>	<u>96.8</u>	<u>65.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>93.8</u>	<u>93.8</u>	<u>63.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>10.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit one is not scheduled to shutdown within the next six months.

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	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1988

DOCKET NO. 50-387
 UNIT NAME SSES-Unit One
 DATE 02/02/88
 COMPLETED BY J. A. Hirt
 TELEPHONE (717)542-3917

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	880101	F	0	A	5	NA	SG	Cond	On January 1, 1988, a power reduction to 60% rated power occurred due to high condensate demineralizer influent conductivity. Chemistry samples indicated conductivity was 0.19 umho/cm. At 1508 hours Operations personnel began to reduce power. Plant personnel suspected the high conductivity was the result of a leak in the 'C' condenser waterbox and began to isolate the waterbox. Conductivity decreased. After reducing power and pumping down the waterbox plant personnel began to look for tube leaks in the waterbox. None were found. Operations increased power to 100% power at 0800 on January 4th. Conductivity was relatively constant for approximately

¹
 F: Forced
 S: Scheduled

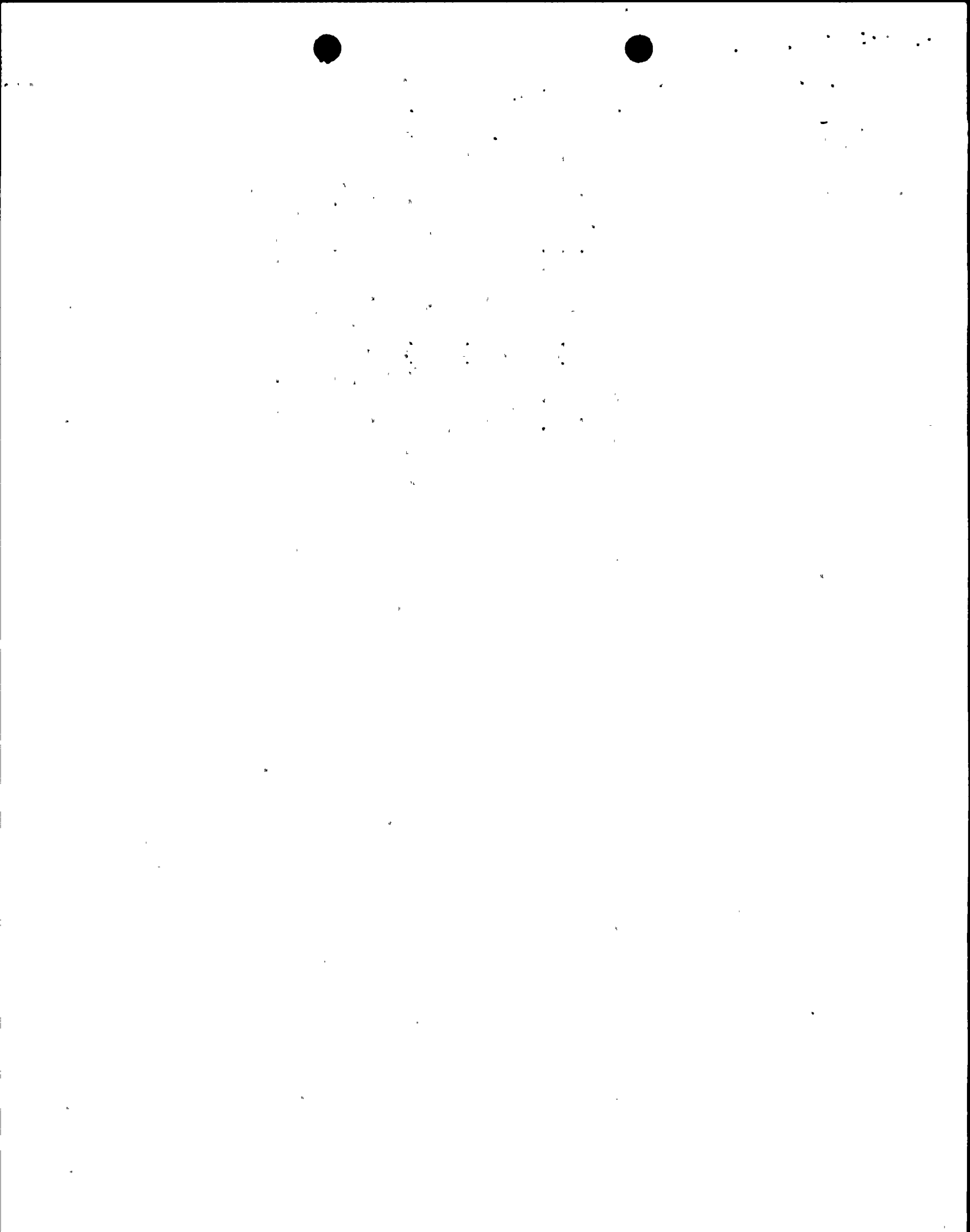
²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

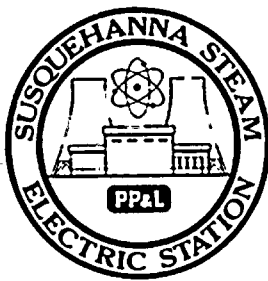
³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuation
 from previous month
 5-Reduction
 9-Other

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

(9/77)





UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1988

DOCKET NO. 50-387
 UNIT NAME SSES-Unit One
 DATE 02/02/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

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
(Cont)									a day. On January 5, 1988, conductivity increased again. Power was reduced to 60% and the 'D' condenser waterbox was isolated. One tube was found to be leaking. Plant personnel plugged the tube and operators returned the plant to 100% rated power at 1200 on January 6th.

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 02/02/88

Completed by J.A. Hirt Telephone (717) 542-3917

Challenges to Main Steam Safety Relief Valves

None

Changes to the Offsite Dose Calculation Manual

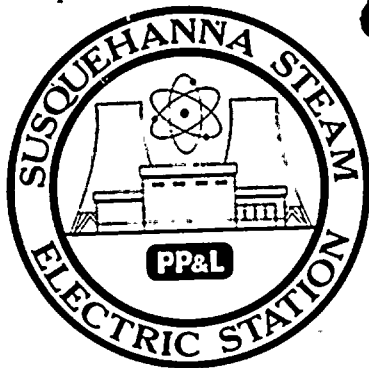
None

Major Changes to Radioactive Waste Treatment Systems

None

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY

RESEARCH REPORT
NO. 1000
BY
J. H. GOLDSTEIN
AND
R. F. STEIGER
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388
UNIT Two
DATE 02/02/88
COMPLETED BY J.A. Hirt
TELEPHONE (717)542-3917

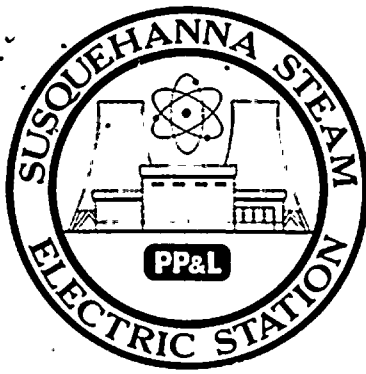
MONTH January, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1048</u>
2	<u>1014</u>
3	<u>991</u>
4	<u>1050</u>
5	<u>1051</u>
6	<u>1051</u>
7	<u>1049</u>
8	<u>1049</u>
9	<u>1048</u>
10	<u>1048</u>
11	<u>1048</u>
12	<u>1040</u>
13	<u>1048</u>
14	<u>1047</u>
15	<u>1048</u>
16	<u>1009</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>966</u>
18	<u>1050</u>
19	<u>1050</u>
20	<u>1049</u>
21	<u>1050</u>
22	<u>1050</u>
23	<u>1046</u>
24	<u>1048</u>
25	<u>1050</u>
26	<u>1050</u>
27	<u>1051</u>
28	<u>1051</u>
29	<u>1046</u>
30	<u>756</u>
31	<u>973</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 02/02/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: January, 1988
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: N/A

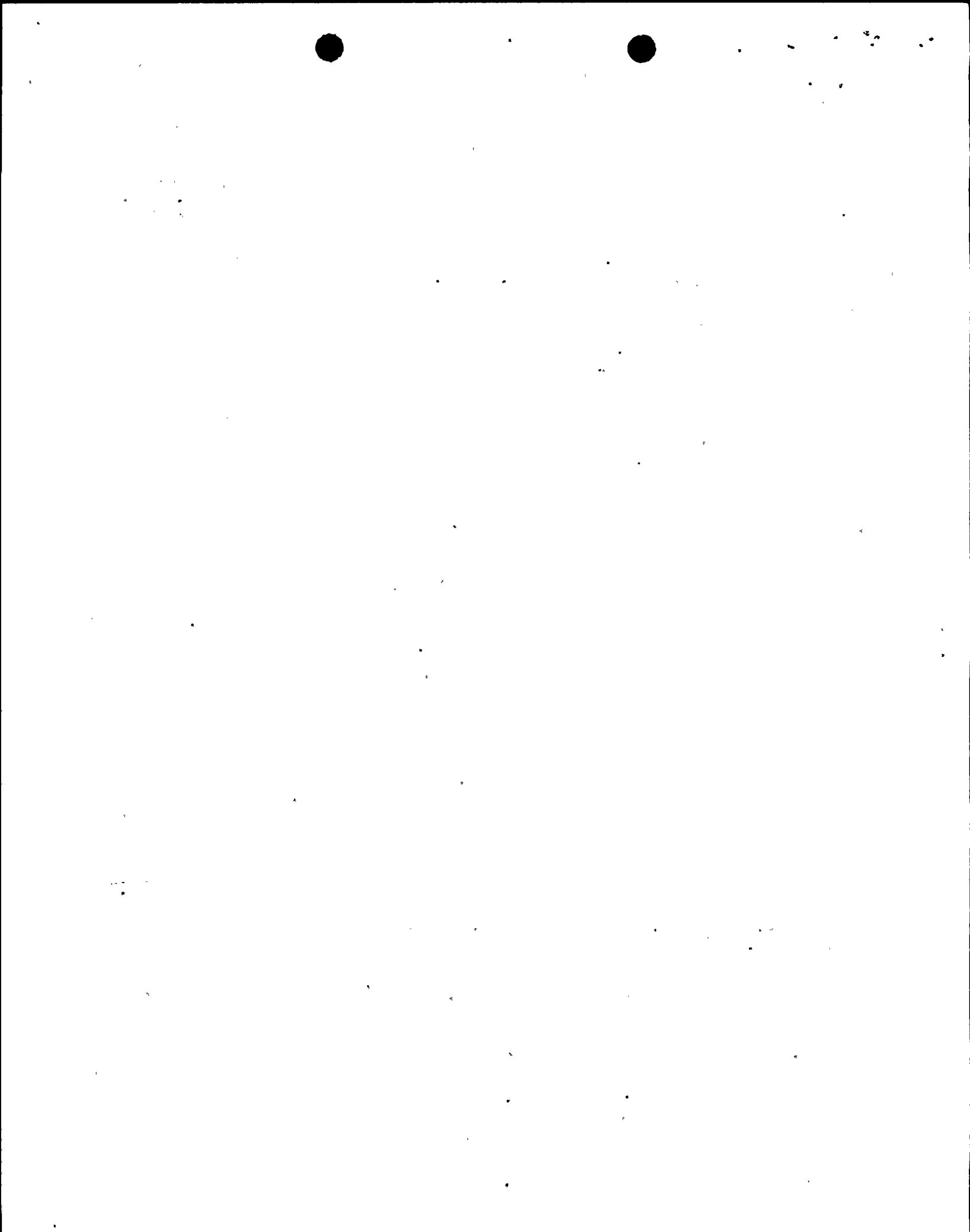
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	26,016
12. Number Of Hours Reactor Was Critical	744	744	22,336
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	744	744	21,904.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,407,323	2,407,323	69,033,036
17. Gross Electrical Energy Generated (MWH)	793,530	793,530	22,600,292
18. Net Electrical Energy Generated (MWH)	766,140	766,140	21,763,815
19. Unit Service Factor	100.0	100.0	84.2
20. Unit Availability Factor	100.0	100.0	84.2
21. Unit Capacity Factor (Using MDC Net)	99.8	99.8	81.1
22. Unit Capacity Factor (Using DER Net)	96.7	96.7	78.6
23. Unit Forced Outage Rate	0.0	0.0	8.9

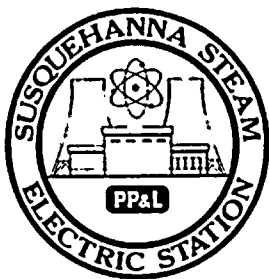
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
A refueling outage is scheduled to begin March 5, 1988, and end May 21, 1988.
The duration is 77 days.

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 January, 1988

DOCKET NO. 50-388
 UNIT NAME SSES-Unit Two
 DATE 02/02/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

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	880130	D	0	N	5	NA	AD	MG	On January 29, 1988, Operations personnel reduced reactor power to 60% to complete a brush change-out on the recirculation pump's motor-generators and to change control rod sequences..Following completion of these items operators returned the plant to 100% rated power at about 2200 on January 31st.

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

(9/77)



11-11-11

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 02/02/88

Completed by J.A. Hirt Telephone (717) 542-3917

Challenges to Main Steam Safety Relief Valves

None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



1

1944

1945



Pennsylvania Power & Light Company

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

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

Harold W. Keiser
Vice President-Nuclear Operations
215/770-7502

FEB 10 1988

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-2975 FILE R41-2A

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

Dear Mr. McDonald:

The January 1988 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

H. W. Keiser
Vice President-Nuclear Operations

Attachment

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

IE24
1/1



11/10/81

11/10/81

11/10/81

11/10/81

11/10/81

11/10/81

11/10/81