

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9403180036 DOC. DATE: ~~94/02/28~~ 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
 BALL, B. Pennsylvania Power & Light Co.
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Feb 1994 for SSES Units 1 & 2.
W/940315 Ltr.

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

NOTES:

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID CODE/NAME		LTTR	ENCL	ID CODE/NAME		LTTR	ENCL
	PD1-2 PD		1	1	CLARK, R		1	1
INTERNAL:	ACRS		10	10	AEOD/DOA		1	1
	AEOD/DSP/TPAB		1	1	NRR/DORS/OEAB		1	1
	NRR/DRIL/RPEB		1	1	<u>REG FILE</u> 01		1	1
	RGN1		1	1				
EXTERNAL:	EG&G BRYCE, J.H		1	1	NRC PDR		1	1
	NSIC		1	1				

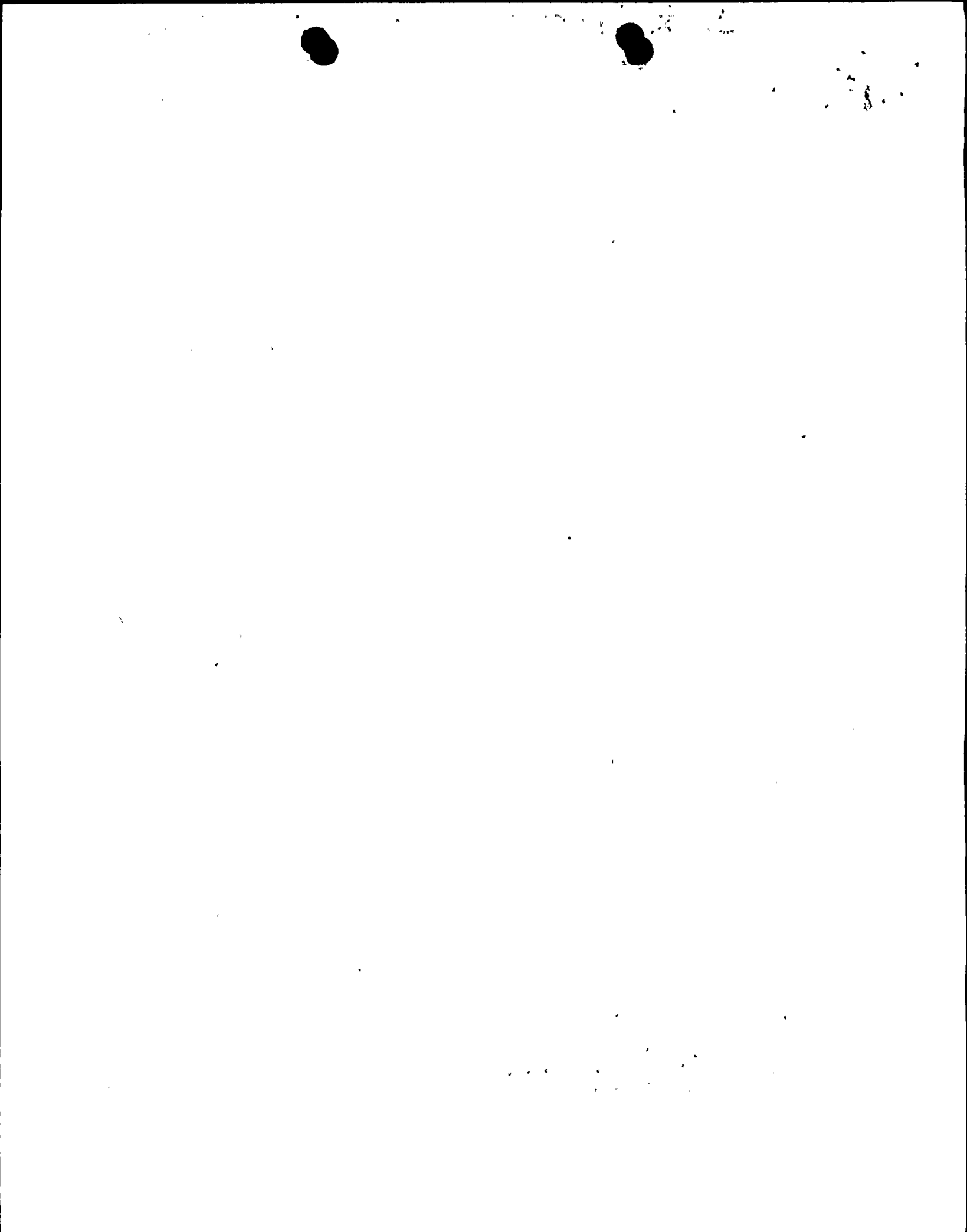
NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 21 ENCL 21

MR

R
I
D
S
/
A
D
S
/
A
D
D
S





Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 610/774-5151

Robert G. Byram
Senior Vice President—Nuclear
610/774-7502
Fax: 610/774-5019

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

MAR 15 1994

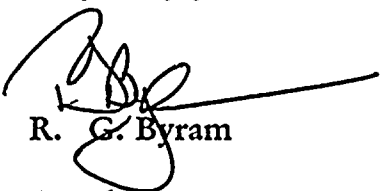
U.S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-4106 FILE R41-2A

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

The February 1994 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



R. G. Byram

Attachment

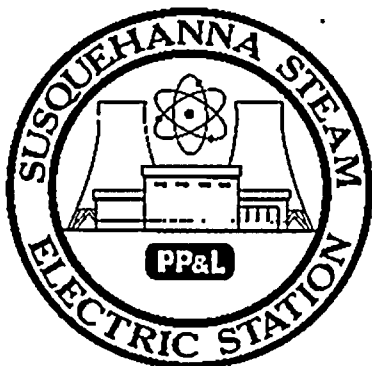
cc: NRC Region I
Mr. G. S. Barber, NRC Resident Inspector
Mr. R. J. Clark, NRC Sr. Project Manager

9403180036 940228
PDR ADOCK.05000387
R PDR

180081

180081

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387

UNIT: One

DATE: 03-04-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

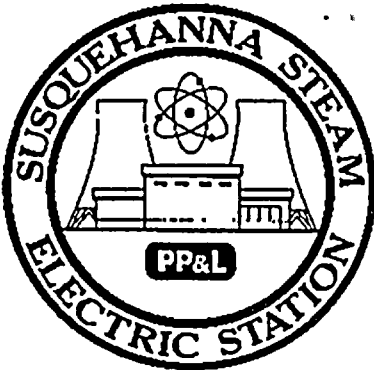
MONTH February 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	<u>1051</u>	17	<u>1049</u>
2	<u>1050</u>	18	<u>1046</u>
3	<u>1050</u>	19	<u>1044</u>
4	<u>1050</u>	20	<u>1046</u>
5	<u>1049</u>	21	<u>1048</u>
6	<u>1049</u>	22	<u>1050</u>
7	<u>1050</u>	23	<u>1050</u>
8	<u>1049</u>	24	<u>1050</u>
9	<u>1050</u>	25	<u>1049</u>
10	<u>1050</u>	26	<u>1049</u>
11	<u>1038</u>	27	<u>1049</u>
12	<u>590</u>	28	<u>1050</u>
13	<u>797</u>	29	<u> </u>
14	<u>836</u>	30	<u> </u>
15	<u>837</u>	31	<u> </u>
16	<u>959</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: 03-04-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: February 1994
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): 1078
7. Maximum Dependable Capacity (Net MWe): 1040
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: None

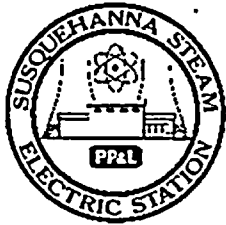
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>672</u>	<u>1,416</u>	<u>94,057</u>
12. Number of Hrs Reactor Was Critical	<u>672</u>	<u>948.4</u>	<u>71,896.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>672</u>	<u>905.5</u>	<u>70,410.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated(MWH)	<u>2,124,044</u>	<u>2,706,622</u>	<u>221,193,140</u>
17. Gross Electrical Energy Generated (MWH)	<u>700,270</u>	<u>863,962</u>	<u>72,238,296</u>
18. Net Electric Energy Generated (MWH)	<u>675,194</u>	<u>819,404</u>	<u>69,381,912</u>
19. Unit Service Factor	<u>100.0</u>	<u>63.9</u>	<u>74.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>63.9</u>	<u>74.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.6</u>	<u>55.6</u>	<u>70.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.7</u>	<u>55.1</u>	<u>70.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>8.4</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)	<u>None.</u>		

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 1994

DOCKET NO. 50-387
 UNIT NAME One
 DATE 03-04-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

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	940211	S	0.0	B	5	N/A	XX	ZZZ	Unit 1 reduced power to as low as 40% at 2300 hours February 11 to perform Reactor Recirc Single Loop Testing. During the ramp back to 100% power, reactor power was held at 80% for repair of the 'B' RFP Discharge Check Valve. The Unit reached 100% power at 1610 hours February 16.

F: Forced
 S: Scheduled

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)

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

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: 03-04-94

Completed by B. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

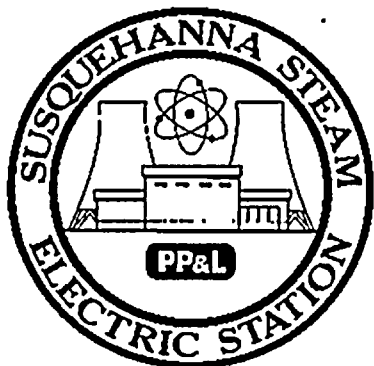
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 03-04-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

MONTH February 1994

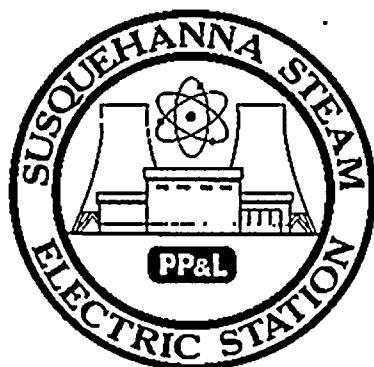
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1059</u>
2	<u>1060</u>
3	<u>1059</u>
4	<u>1057</u>
5	<u>1057</u>
6	<u>1056</u>
7	<u>1056</u>
8	<u>1058</u>
9	<u>1059</u>
10	<u>1060</u>
11	<u>1056</u>
12	<u>1056</u>
13	<u>1056</u>
14	<u>1059</u>
15	<u>1054</u>
16	<u>1056</u>

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
17	<u>1055</u>
18	<u>1017</u>
19	<u>765</u>
20	<u>358</u>
21	<u>734</u>
22	<u>1008</u>
23	<u>1053</u>
24	<u>1052</u>
25	<u>1050</u>
26	<u>1050</u>
27	<u>1053</u>
28	<u>1053</u>
29	<u></u>
30	<u></u>
31	<u></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: 03-04-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 2)
2. Reporting Period: February 1994
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): 1082
7. Maximum Dependable Capacity (Net MWe): 1044
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: N/A

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>672</u>	<u>1,416</u>	<u>79,296</u>
12. Number of Hrs Reactor Was Critical	<u>672</u>	<u>1,382.3</u>	<u>66,895.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>668.7</u>	<u>1,364.2</u>	<u>65,575.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,123,687</u>	<u>4,283,604</u>	<u>208,611,234</u>
17. Gross Electrical Energy Generated (MWH)	<u>701,028</u>	<u>1,415,946</u>	<u>68,425,713</u>
18. Net Electric Energy Generated (MWH)	<u>675,998</u>	<u>1,364,323</u>	<u>65,869,499</u>
19. Unit Service Factor	<u>99.5</u>	<u>96.3</u>	<u>82.7</u>
20. Unit Availability Factor	<u>99.5</u>	<u>96.3</u>	<u>82.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.4</u>	<u>92.3</u>	<u>79.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.8</u>	<u>91.8</u>	<u>79.1</u>

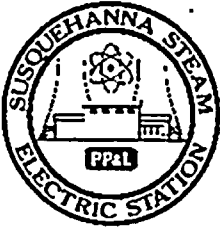
23. Unit Forced Outage Rate 0.5 3.7 5.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)
Refueling outage scheduled to commence on 3/15/94 with an estimated duration of 70 days.

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 1994

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 03-04-94
 COMPLETED BY B. Ball
 TELEPHONE (717) 542-3453

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
3	940218	S	0.0	B	5	N/A	XX	ZZZ	Unit 2 commenced a power reduction to 70% power at 2212 hours February 18 for performance of RE-OTP-057 Determination of Defective Fuel Rod Location. Testing was completed at 0515 hours February 19. Power increase commenced at 0545 hours and was stopped at 1530 hours upon discovery of an EHC leak on the #3 Control Valve.
4	940220	F	3.3	A	1	N/A	TG	V	Unit 2 commenced reducing power at 2022 hours February 19 after efforts to stop the EHC leak on the #3 Control Valve were unsuccessful. The main generator was taken off line at 0110 hours February 20. The EHC leak was repaired and the generator was returned to service at 0426 hours February 20. The Reactor remained critical during the shutdown. The Unit reached 100% power at 1200 hours February 22.

F: Forced
 S: Scheduled

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)

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

Exhibit G-Instructions for preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)
 Exhibit I-Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date: 03-04-94

Completed by B. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.

