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FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387

50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388

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BYRAM, R.G. Pennsylvania Power & Light Co.

RECIP. NAME RECIPIENT AFFILIATION

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SUBJECT: Monthly operating repts for Apr 1993 for Susquehanna SES
Units 1 & 2, W/930517 Dtr.

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TITLE: Monthly Operating Report (per Tech Specs)

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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Robert G. Byram
Senior Vice President-Nuclear
215/774-7502

Submitted pursuant to
Technical Specifications
Section 6.9.1.6.

MAY 17 1993

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

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-3975 FILE R41-2A

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

The April 1993 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,


R. G. Byram

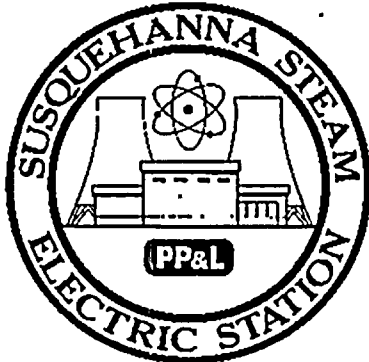
Attachment

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

9305200071 930430
PDR ADCK 05000387
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AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387

UNIT: One

DATE: 05-6-93

COMPLETED BY: K.A. Young

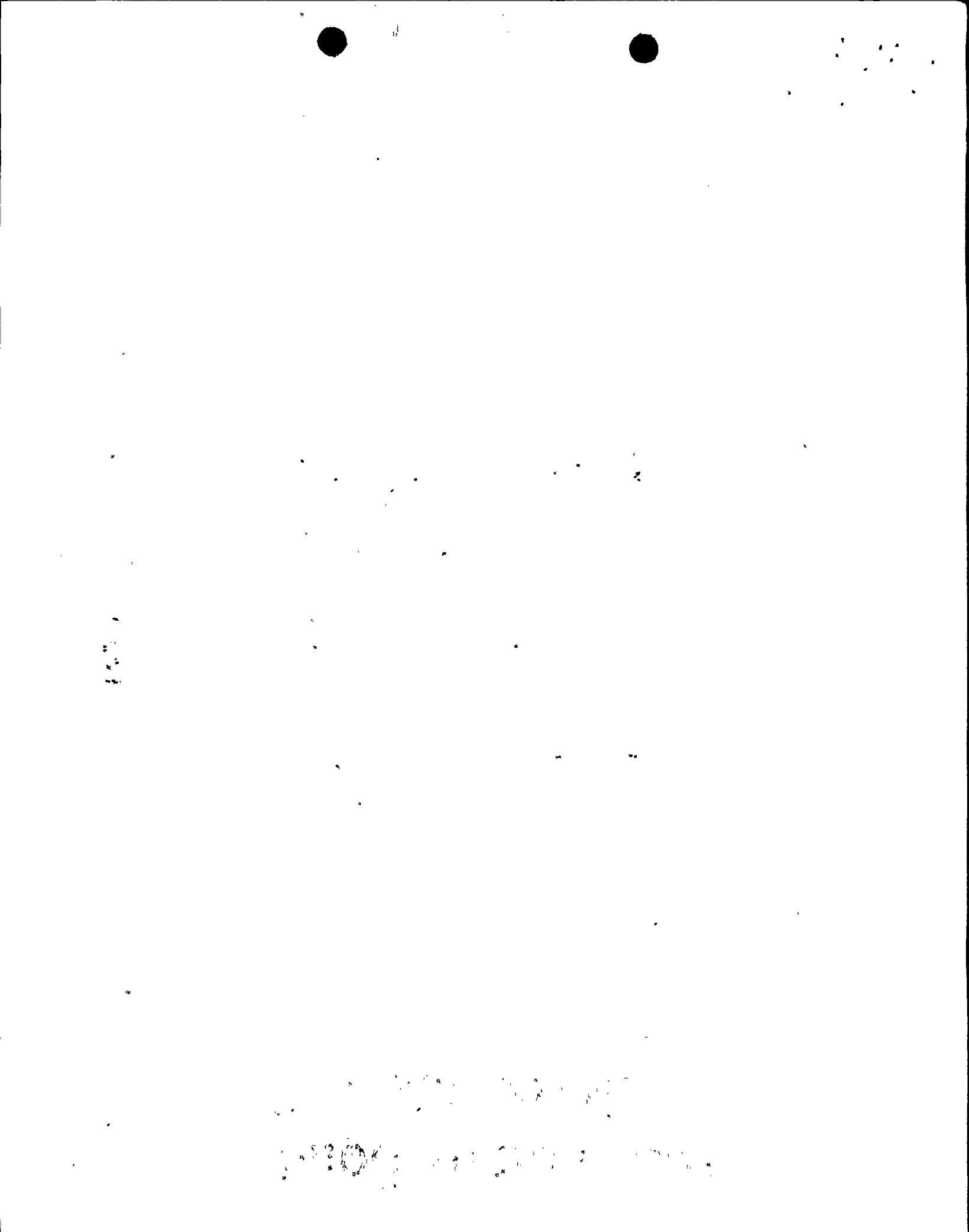
TELEPHONE: (717)542-3251

MONTH April 1993

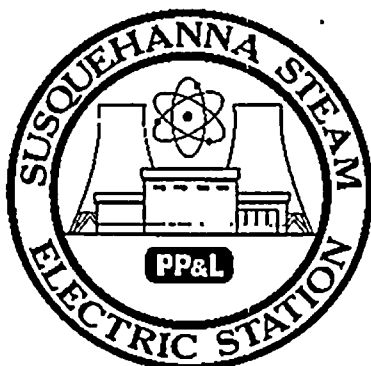
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	<u>995</u>	17	<u>1046</u>
2	<u>1045</u>	18	<u>1048</u>
3	<u>801</u>	19	<u>1041</u>
4	<u>962</u>	20	<u>1036</u>
5	<u>1048</u>	21	<u>1040</u>
6	<u>1047</u>	22	<u>1048</u>
7	<u>1047</u>	23	<u>997</u>
8	<u>1017</u>	24	<u>805</u>
9	<u>820</u>	25	<u>1035</u>
10	<u>823</u>	26	<u>1043</u>
11	<u>903</u>	27	<u>1049</u>
12	<u>1050</u>	28	<u>1045</u>
13	<u>1048</u>	29	<u>1039</u>
14	<u>1047</u>	30	<u>986</u>
15	<u>1041</u>	31	<u></u>
16	<u>1037</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: 05-6-93
 COMPLETED BY: K.A. Young
 TELEPHONE: (717)542-3251

Notes

OPERATING STATUS

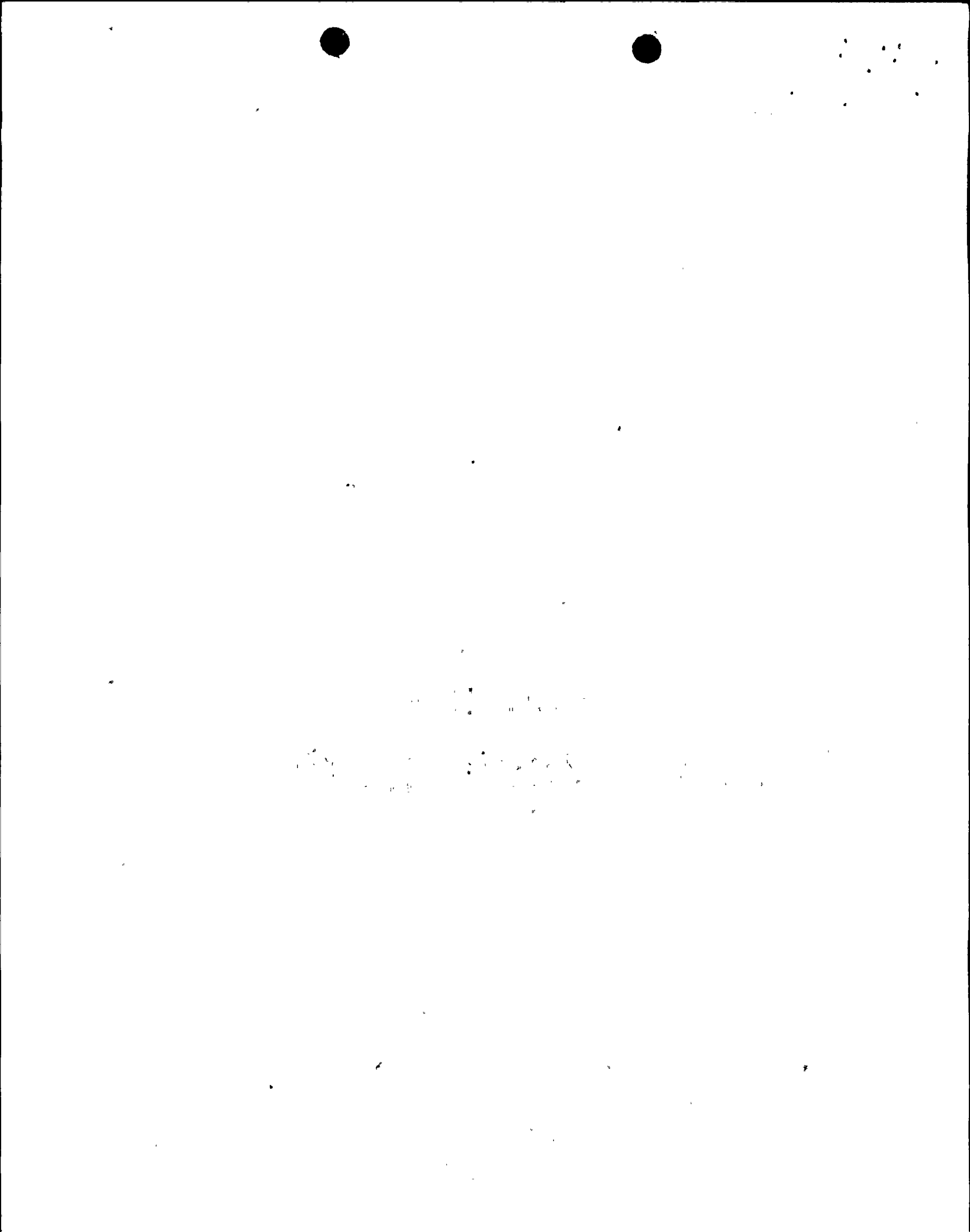
1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: April 1993
3. Licensed Thermal Power(MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1078
7. Maximum Dependable Capacity (Net MWe): 1040
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

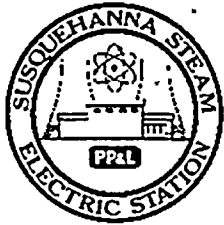
	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>719</u>	<u>2879</u>	<u>86,760</u>
12. Number of Hrs Reactor Was Critical	<u>719</u>	<u>2879</u>	<u>68,552.2</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1032</u>
14. Hours Generator On-Line	<u>719</u>	<u>2879</u>	<u>67,178.0</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated(MWH)	<u>2,264,887</u>	<u>9,264,051</u>	<u>211,061,716</u>
17. Gross Electrical Energy Generated (MWH)	<u>743,488</u>	<u>3,052,048</u>	<u>68,997,928</u>
18. Net Electric Energy Generated (MWH)	<u>718,766</u>	<u>2,949,589</u>	<u>66,315,378</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>77.4</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>77.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.1</u>	<u>98.5</u>	<u>73.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.2</u>	<u>97.6</u>	<u>72.8</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>7.3</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 April 1993

DOCKET NO. 50-387
 UNIT NAME One
 DATE 05-6-93
 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
4	930403	S	0.0	A	5	N/A	SM	LCV	Unit One commenced a power reduction at 0600 hours April 3 for a partial maintenance outage. Repairs were made to leaking flow orifices on 5B and 5C feedwater heater piping. Unit returned to 100% power at 1900 hours April 4.

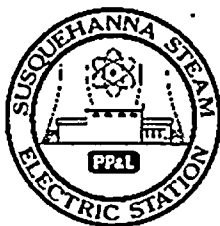
F: Forced
 S: Scheduled

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



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1993

DOCKET NO. 50-387
 UNIT NAME One
 DATE 05-6-93
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

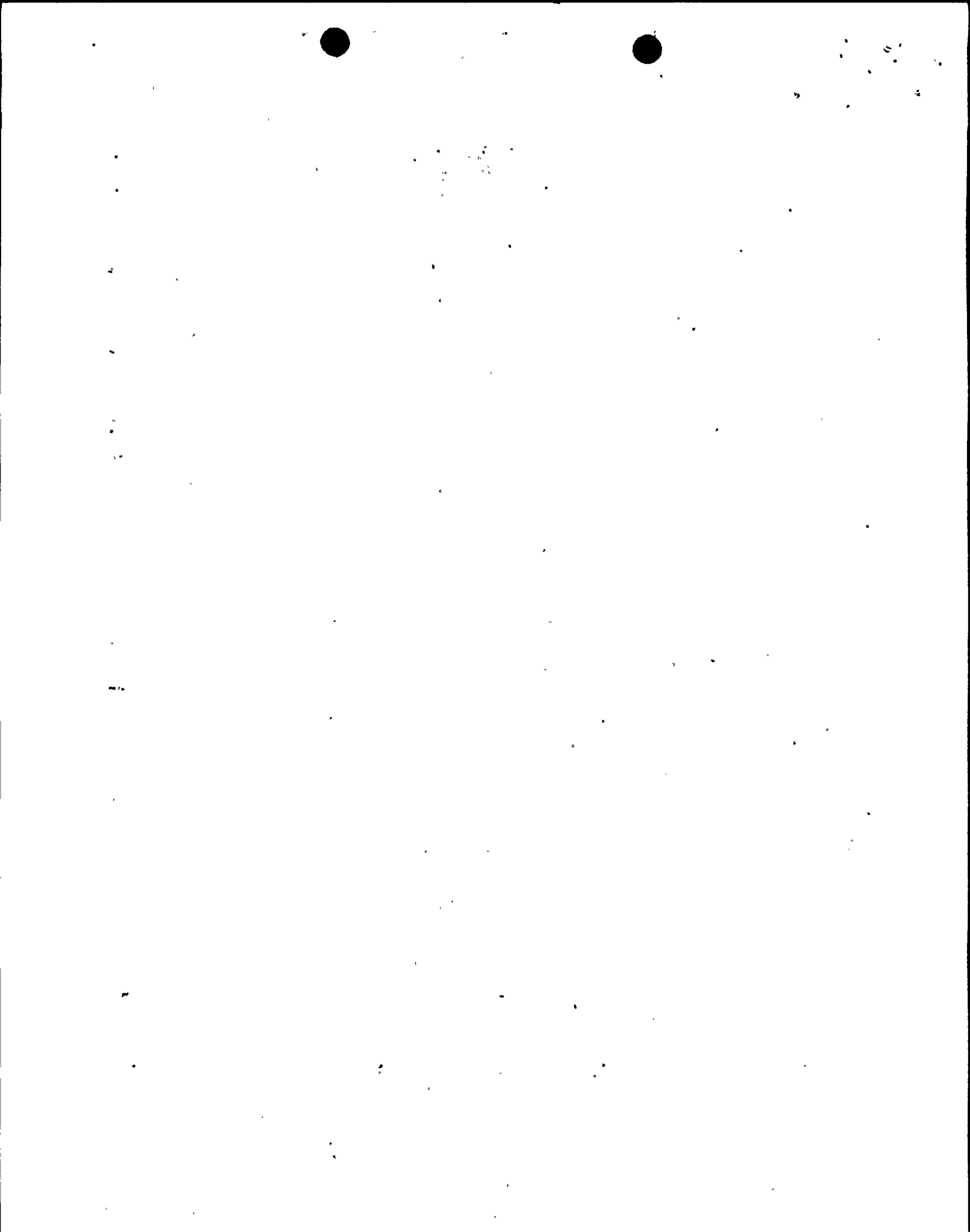
NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT#	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
5	930408	F	0.0	A	5	NA	SM	TBG	Unit One commenced a power reduction at 2100 hours April 8 for a partial forced outage. The B string of feedwater heaters was isolated to investigate suspected tube leaks in the 3B heat exchanger. Thirty heat exchanger tubes were plugged. Unit returned to 100% power at 2400 hours April 11.

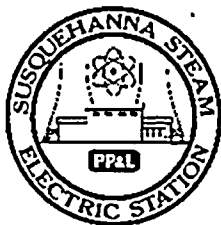
F: Forced
 S: Scheduled

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





UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1993

DOCKET NO. 50-387
 UNIT NAME One
 DATE 05-6-93
 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
6	930423	S	0.0	B	5	NA	SA	BLR	Unit One commenced a power reduction 2100 hours April 23 for a partial maintenance outage. Purpose of outage was to repair auxiliary steam supply valve PV-10752 in preparation for a scheduled work window the next weekend to repair a SJAE steam supply valve. Work was completed and Unit returned to 100% power at 0200 hours April 25.

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

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

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: 05-6-93

Completed by K. A. Young Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

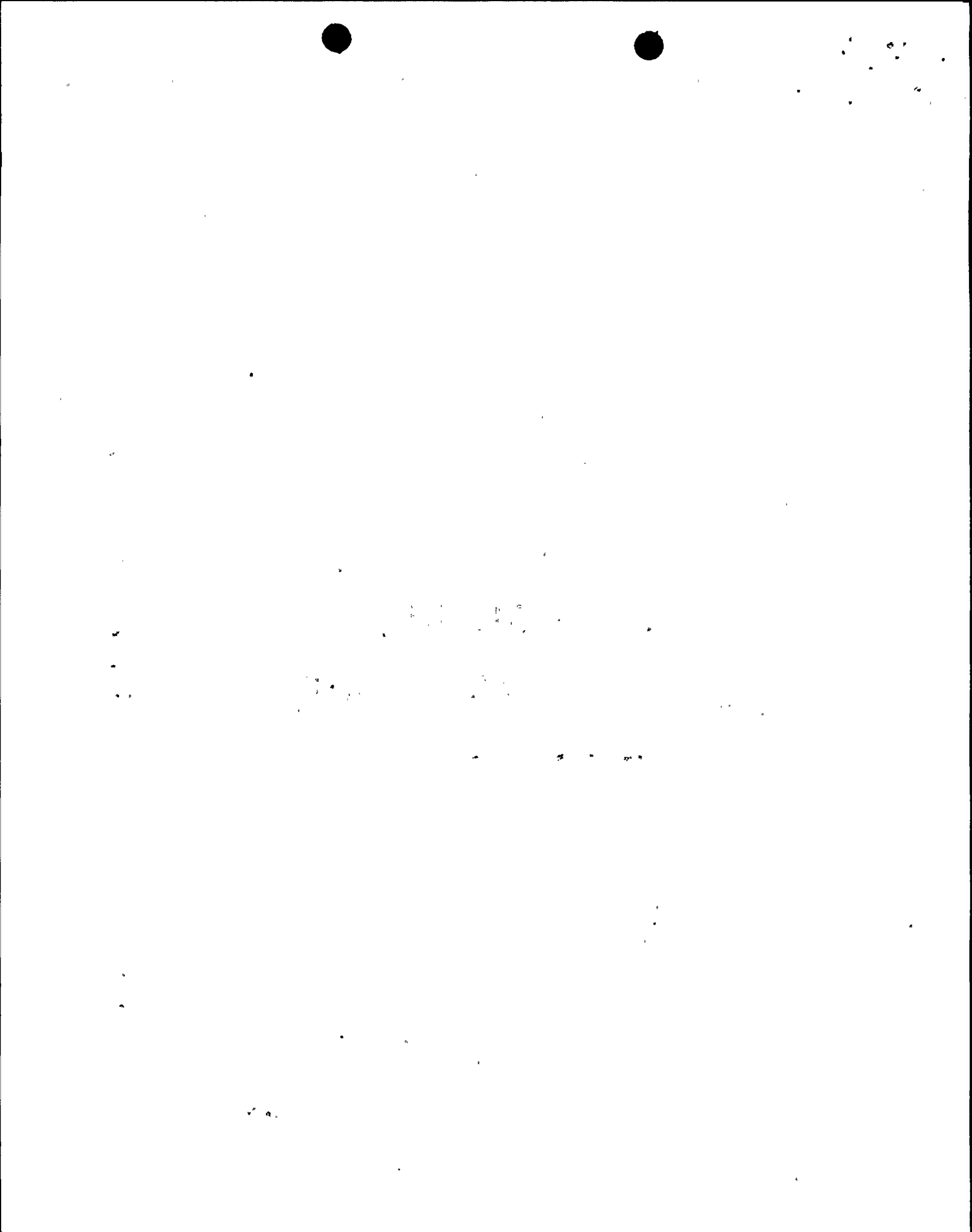
None.

Changes to the Offsite Dose Calculation Manual

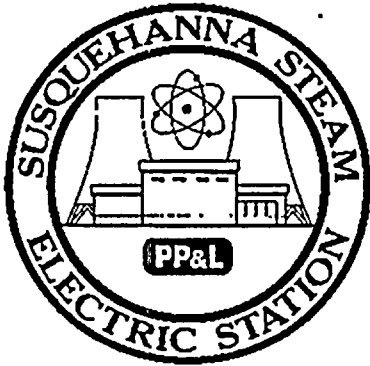
None.

Major Changes to Radioactive Waste Treatment Systems

None.



AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 05-6-93

COMPLETED BY: K.A. Young

TELEPHONE: (717)542-3251

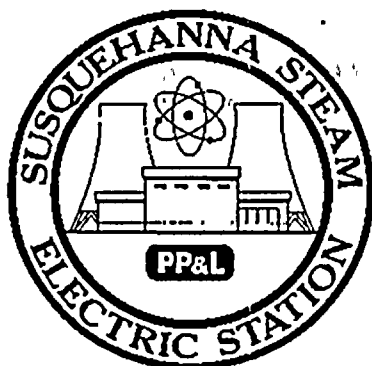
MONTH April 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1060</u>	17	<u>1060</u>
2	<u>1061</u>	18	<u>1032</u>
3	<u>1064</u>	19	<u>1004</u>
4	<u>1064</u>	20	<u>1049</u>
5	<u>1064</u>	21	<u>1055</u>
6	<u>1062</u>	22	<u>975</u>
7	<u>1062</u>	23	<u>1054</u>
8	<u>1060</u>	24	<u>1059</u>
9	<u>1057</u>	25	<u>1051</u>
10	<u>1058</u>	26	<u>1058</u>
11	<u>1061</u>	27	<u>1063</u>
12	<u>1064</u>	28	<u>1058</u>
13	<u>1063</u>	29	<u>1053</u>
14	<u>1061</u>	30	<u>1049</u>
15	<u>1055</u>	31	<u> </u>
16	<u>1049</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: 05-6-93
 COMPLETED BY: K.A. Young
 TELEPHONE: (717) 542-3251

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 2)
2. Reporting Period: April 1993
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>719</u>	<u>2879</u>	<u>71,999</u>
12. Number of Hrs Reactor Was Critical	<u>719</u>	<u>2,754.9</u>	<u>59,992.5</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>719</u>	<u>2,693.1</u>	<u>58,810.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,354,521</u>	<u>8,711,485</u>	<u>186,703,944</u>
17. Gross Electrical Energy Generated (MWH)	<u>781,736</u>	<u>2,903,981</u>	<u>61,269,715</u>
18. Net Electric Energy Generated (MWH)	<u>756,984</u>	<u>2,803,660</u>	<u>58,970,974</u>
19. Unit Service Factor	<u>100</u>	<u>93.5</u>	<u>81.7</u>
20. Unit Availability Factor	<u>100</u>	<u>93.5</u>	<u>81.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.9</u>	<u>93.3</u>	<u>78.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.3</u>	<u>92.8</u>	<u>78.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>6.5</u>	<u>5.5</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 April 1993

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 05-6-93
 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
									No report required for April 1993.

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

G-Instructions Exhibit
 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: 05-6-93

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.

