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ACCESSION NBR: 9012270050 DOC. DATE: 90/11/30 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.
RECIP. NAME RECIPIENT AFFILIATION

MACDONALD, W.G. NRC - No Detailed Affiliation Given

SUBJECT: Monthly operating repts for Nov 1990 for Susquehanna Steam
Electric Station Units 1 & 2. W/901217 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10
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

DEC 17 1990

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-3492 FILE R41-2A

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

Dear Mr. McDonald:

The November 1990 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. M.C. Thadani, NRC Project Manager

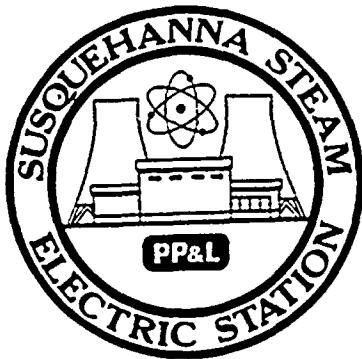
9012270050 901130
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11



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AVERAGE DAILY UNIT POWER LEVEL

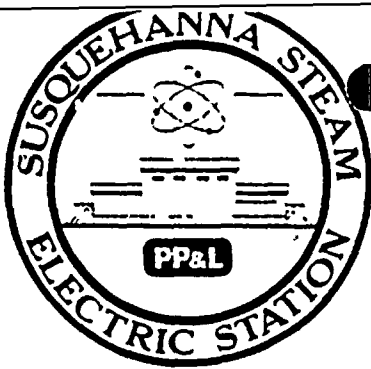
DOCKET NO. 50-387
 UNIT One
 DATE 12-10-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

MONTH November 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	180
2	0	18	44
3	0	19	0
4	0	20	420
5	0	21	593
6	0	22	572
7	0	23	515
8	0	24	543
9	0	25	639
10	0	26	766
11	0	27	887
12	0	28	1043
13	0	29	1052
14	0	30	1026
15	0	31	
16	0		

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 12-10-90
 COMPLETED BY K.A. Young
 TELEPHONE (717)542-3251

OPERATING STATUS

Unit One

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

Notes

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

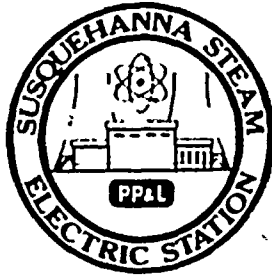
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	8016	65,593
12. Number Of Hours Reactor Was Critical	389.7	6,121.9	49,656.2
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	294.1	5,913.4	48,514.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	648,632	18,598,484	151,769,130
17. Gross Electrical Energy Generated (MWH)	207,920	6,053,754	49,511,594
18. Net Electrical Energy Generated (MWH)	191,884	5,818,303	47,532,975
19. Unit Service Factor	40.8	73.8	74.0
20. Unit Availability Factor	40.8	73.8	74.0
21. Unit Capacity Factor (Using MDC Net)	25.8	70.3	70.1
22. Unit Capacity Factor (Using DER Net)	25.4	69.1	69.0
23. Unit Forced Outage Rate	12.2	4.7	8.9

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 November 1990

DOCKET NO. 50-387
 UNIT NAME One
 DATE 12-11-90
 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
10	900912	S	385.1	C	4	NA	XX	ZZZ	Unit One was manually shutdown for it's planned fifth refuel and inspection outage (5 RIO) commencing at 1700 hours September 11. Generator was taken off line at 0346 hours, September 12. Fifth fuel cycle officially ended at 0105 hours on November 17 when Unit One's main generator was synchronized to the PJM grid. Outage length was 65 days 21 hours.

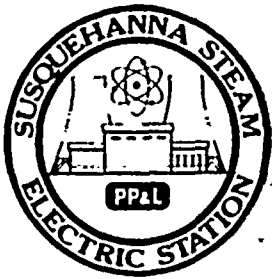
¹
 F: Forced
 S: Scheduled

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



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1990

DOCKET NO. 50-387
 UNIT NAME One
 DATE 12-10-90
 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
11	901118	F	40.8	A	2	None	SB	DR	Unit One was removed from service at 0500 hours and Reactor was manually scrammed at 0642 hours on November 18. Unit entered a forced outage to repair a failed weld on a drain line from the "D" main steam line. Repairs were made and unit returned to service at 2150 November 19.

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
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 G-Operational Error (Explain)
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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 50-387

Date: November 1990

Completed by K. A. Young

Telephone: (717) 542-3251

Challenges to Main Steam Safety Relief Valves

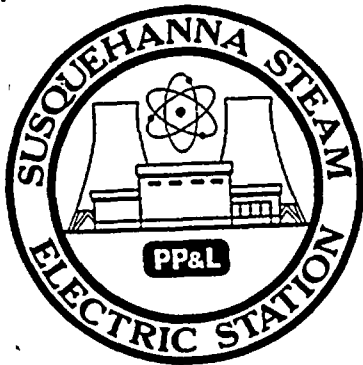
None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388

UNIT Two

DATE 12-10-90

COMPLETED BY K.A. Young

TELEPHONE (717) 542-3251

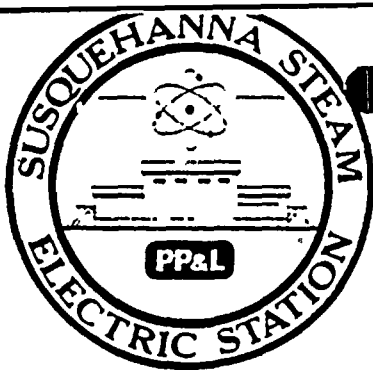
MONTH November 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1042</u>
2	<u>1041</u>
3	<u>1044</u>
4	<u>1045</u>
5	<u>1042</u>
6	<u>1048</u>
7	<u>1047</u>
8	<u>1049</u>
9	<u>1050</u>
10	<u>1050</u>
11	<u>1048</u>
12	<u>1050</u>
13	<u>1051</u>
14	<u>1051</u>
15	<u>1045</u>
16	<u>1043</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>889</u>
18	<u>1043</u>
19	<u>1052</u>
20	<u>1052</u>
21	<u>1051</u>
22	<u>1048</u>
23	<u>1050</u>
24	<u>1052</u>
25	<u>1046</u>
26	<u>1050</u>
27	<u>1045</u>
28	<u>1038</u>
29	<u>1048</u>
30	<u>1052</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 12-10-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

No changes were made

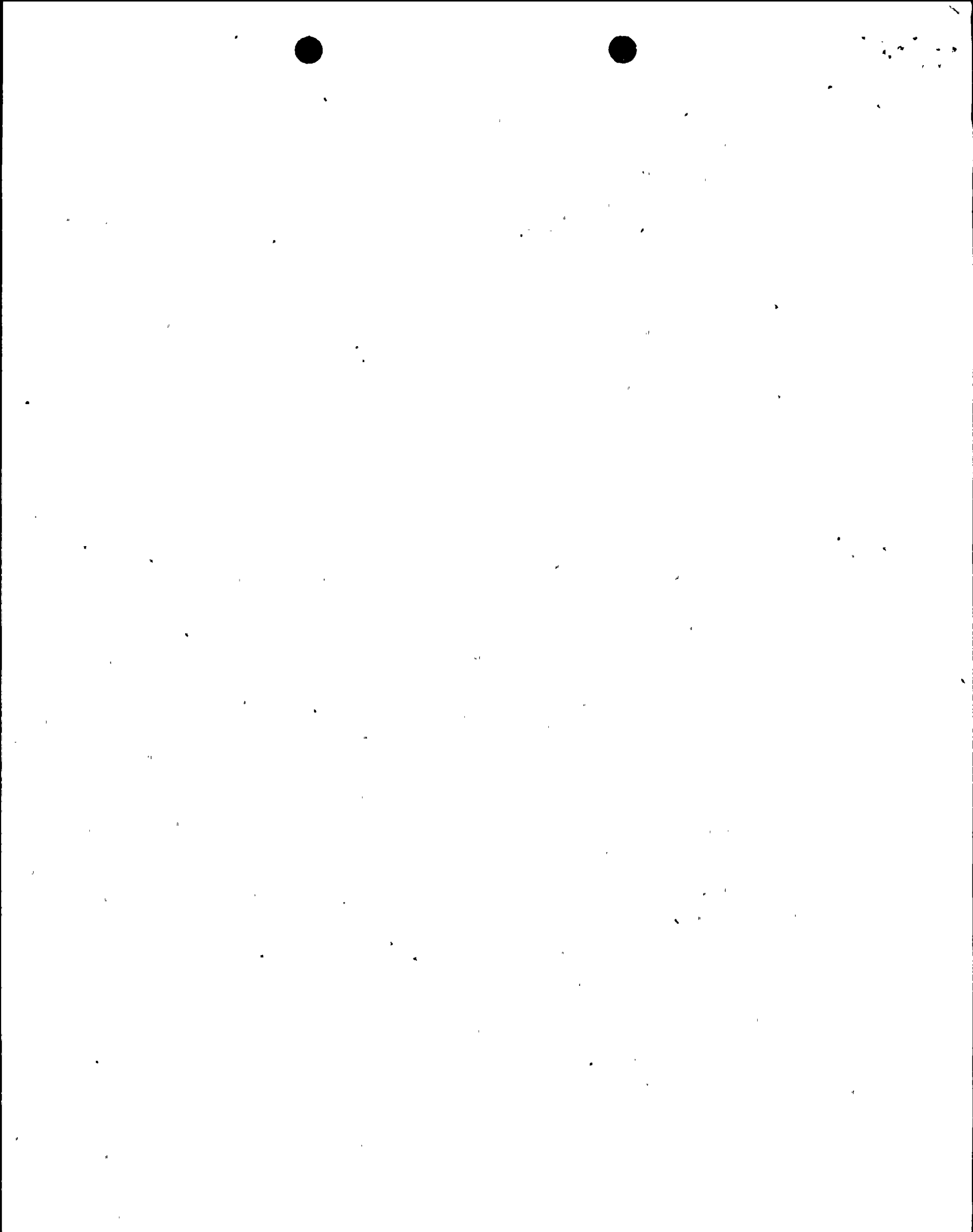
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

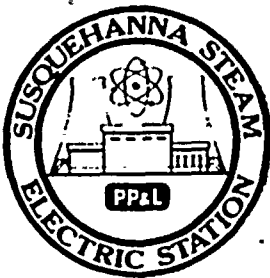
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>8,016</u>	<u>50,832</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>7,476.0</u>	<u>42,141.3</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>720</u>	<u>7,436.9</u>	<u>41,332.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,364,079</u>	<u>24,031,884</u>	<u>130,839,859</u>
17. Gross Electrical Energy Generated (MWH)	<u>783,218</u>	<u>7,869,410</u>	<u>42,857,323</u>
18. Net Electrical Energy Generated (MWH)	<u>750,237</u>	<u>7,580,273</u>	<u>41,240,954</u>
19. Unit Service Factor	<u>100</u>	<u>92.8</u>	<u>81.3</u>
20. Unit Availability Factor	<u>100</u>	<u>92.8</u>	<u>81.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.3</u>	<u>91.0</u>	<u>78.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.2</u>	<u>90.1</u>	<u>77.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>5.5</u>	<u>6.4</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 November 1990

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 12-10-90
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3241

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 November 1990.									

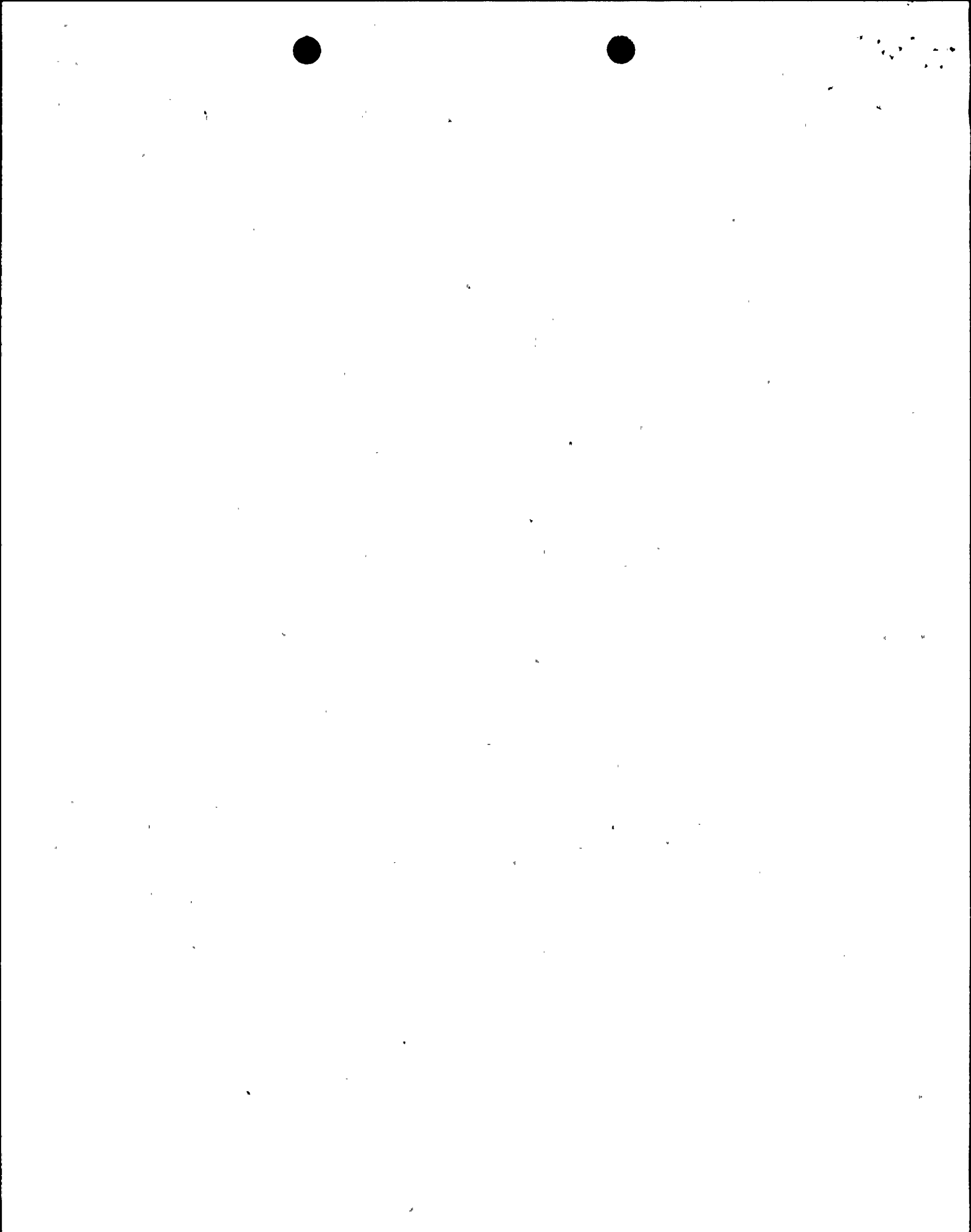
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 Reason:
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 B-Maintenance of Test
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 for Preparation of Data
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 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source



SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388

Date: November 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.



11-11-61

Dear Mr. [Name],

I have received your letter of [Date] regarding [Subject].

The information you provided is being reviewed.

I will contact you again once a decision has been reached.

Sincerely,

[Name]

Very truly yours,

[Name]

[Address]