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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

JUN 17 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-3592 FILE R41-2A**

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

Dear Mr. McDonald:

The May 1991 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. J.J. Raleigh, NRC Project Manager

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PDR ADOCK 05000387
R PDR

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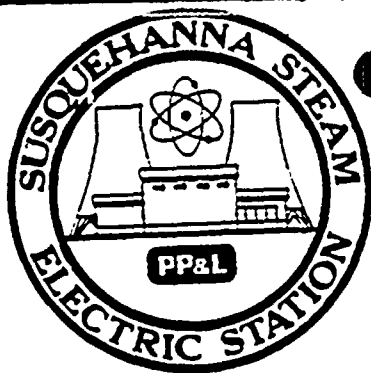
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 6-4-91

COMPLETED BY K.A. Young

TELEPHONE (717) 542-3251

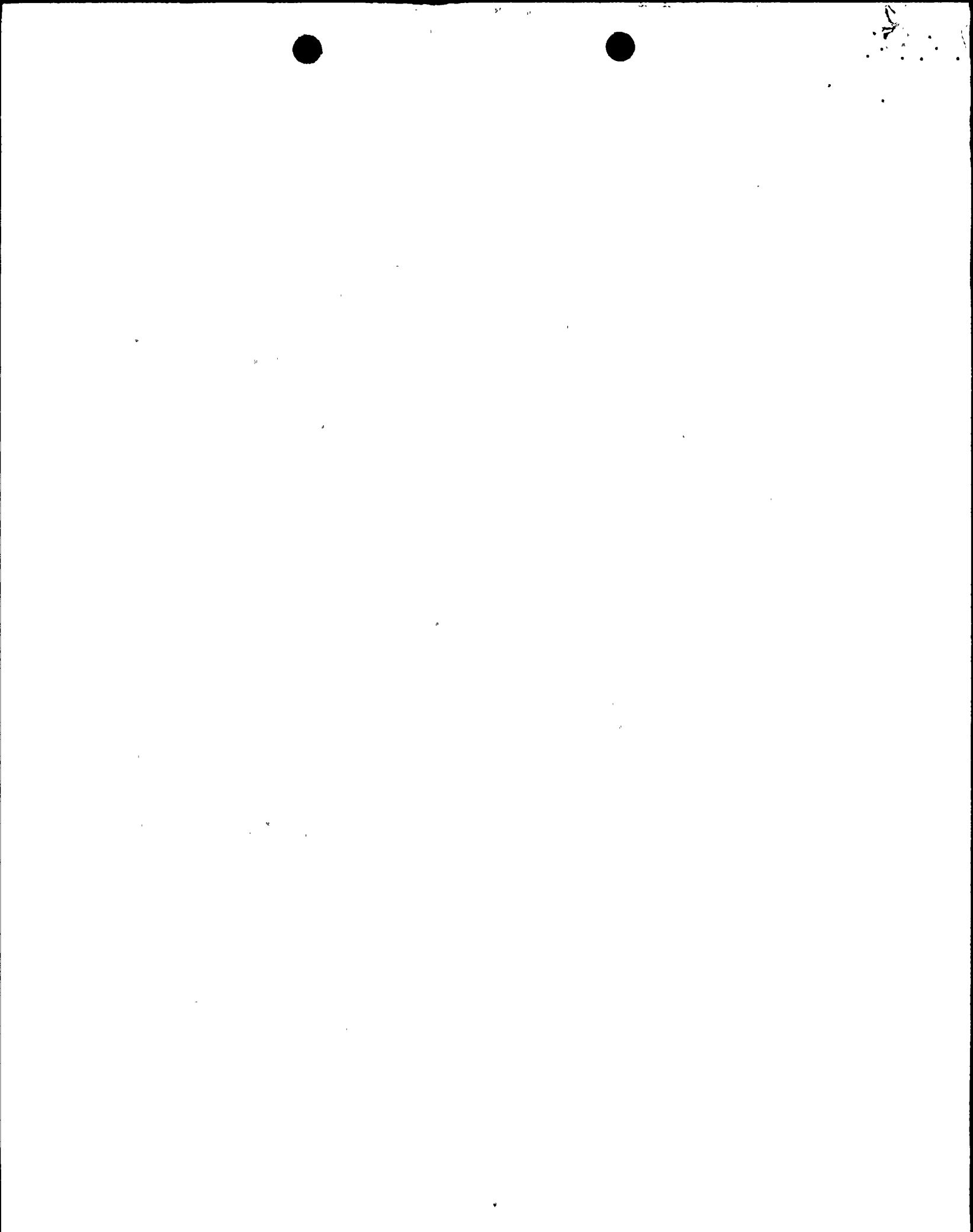
MONTH May 1991

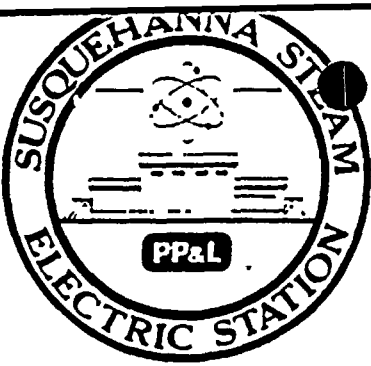
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1039</u>
2	<u>1043</u>
3	<u>1044</u>
4	<u>1043</u>
5	<u>1039</u>
6	<u>1040</u>
7	<u>1046</u>
8	<u>1047</u>
9	<u>1046</u>
10	<u>1043</u>
11	<u>1043</u>
12	<u>1035</u>
13	<u>1034</u>
14	<u>1034</u>
15	<u>1037</u>
16	<u>1036</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1032</u>
18	<u>881</u>
19	<u>1047</u>
20	<u>1042</u>
21	<u>1040</u>
22	<u>1034</u>
23	<u>1033</u>
24	<u>1032</u>
25	<u>1027</u>
26	<u>1025</u>
27	<u>1022</u>
28	<u>1028</u>
29	<u>1033</u>
30	<u>1026</u>
31	<u>1026</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 6/4/91
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
 2. Reporting Period: May 1991
 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

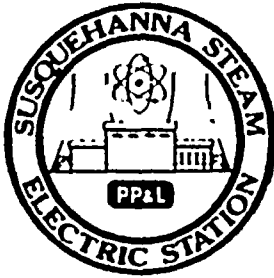
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3623</u>	<u>69,960</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>3623</u>	<u>53,926.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1032</u>
14. Hours Generator On-Line	<u>744</u>	<u>3623</u>	<u>52,755.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,431,195</u>	<u>11,636,433</u>	<u>165,342,557</u>
17. Gross Electrical Energy Generated (MWH)	<u>795,780</u>	<u>3,844,056</u>	<u>53,997,676</u>
18. Net Electrical Energy Generated (MWH)	<u>767,487</u>	<u>3,709,826</u>	<u>51,860,501</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>75.4</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>75.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.9</u>	<u>99.1</u>	<u>71.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.2</u>	<u>97.5</u>	<u>70.6</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>8.3</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 May 1991

DOCKET NO. 50-387
 UNIT NAME Unit One
 DATE 6-4-91
 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
									No report required for May 1991

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: May 1991

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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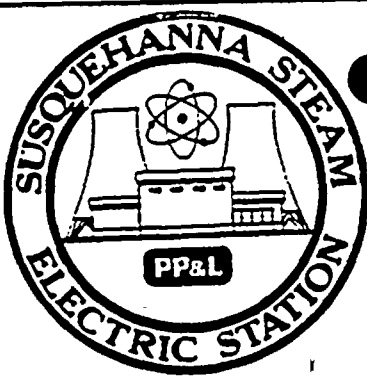
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388
 UNIT Two
 DATE 6/4/91
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

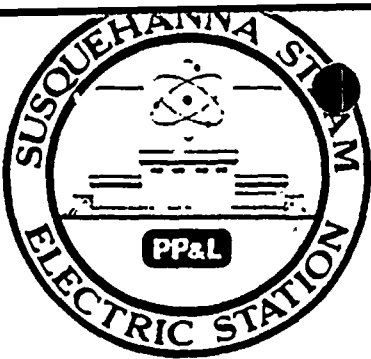
MONTH May 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	12
9	191
10	388
11	613
12	765
13	816
14	1010
15	1050
16	1034

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	957
18	1059
19	1059
20	1058
21	1054
22	1047
23	1046
24	1031
25	809
26	1035
27	1039
28	1039
29	1045
30	1039
31	1038

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 6-4-91
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: May 1991
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

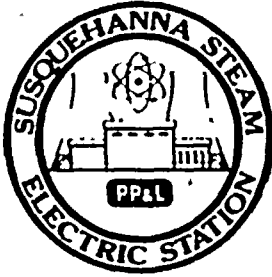
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	3,623	55,199
12. Number Of Hours Reactor Was Critical	597.9	2,134.5	44,997.3
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	557.9	2,047.6	44,087.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,629,456	6,361,605	139,455,069
17. Gross Electrical Energy Generated (MWH)	528,402	2,081,679	45,676,798
18. Net Electrical Energy Generated (MWH)	507,057	1,990,576	43,941,954
19. Unit Service Factor	75.0	56.5	79.9
20. Unit Availability Factor	75.0	56.5	79.9
21. Unit Capacity Factor (Using MDC Net)	65.6	52.9	76.6
22. Unit Capacity Factor (Using DER Net)	64.9	52.3	75.8
23. Unit Forced Outage Rate	0	0	6.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit Two commenced its Fourth Refueling and Inspection Outage on March 9, 1991. Outage ended at 1723 hours May 8, 1991 when unit returned to service.

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 May 1991

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 6-4-91
 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
2	910309	S	185.4	C	1	NA	XX	ZZZ	<p>(Continuation of previous months planned outage)</p> <p>Unit Two was manually shutdown for its planned fourth refuel and inspection outage (4RIO) commencing at 1800 hours March 8. Generator was taken off line at 0346 hours March 9.</p> <p>Fourth fuel cycle officially ended at 1723 hours on May 8 when Unit Two's main generator was synchronized to the PJM grid. Outage length was 60 days, 22 hours.</p>

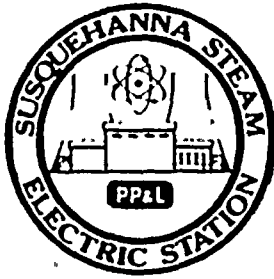
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 Reason:
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 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

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 Method:
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 2-Manual Scram.
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1991

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 6/4/91
 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
3	910508	S	0.7	B	9	NA	TA	ZZZ	Unit Two conducted a main turbine overspeed trip test at 2336 hours on May 8. Testing was scheduled as part of start-up sequence of events. Generator was re-synchronized to the grid at 0020 hours May 9.

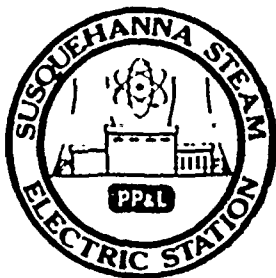
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 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
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 H-Other (Explain)

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1991

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 6-4-91
 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
4	910524	S	0.0	B	5	NA	AD	ZZZ	Unit Two commenced a rampback to 80% power at 2200 hours May 24 for scheduled testing of partial arc admission. Testing was completed at 0500 hours May 25. Then commencing at 0700 hours power level was reduced to as low as 40% to perform Jet-pump/recirc loop base line data acquisition under test RE-2TP-024. Testing was completed and unit returned to full power at 0500 hours May 26. Schedule testing completed requirements of post refueling inspection.

¹
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 S: Scheduled

²
 Reason:
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 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
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SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date: May 1991

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.



1945
The following information was obtained from the records of the
Department of the Interior, Bureau of Land Management, on
the subject of the land in question.

The land in question is situated in the
County of ... State of ...