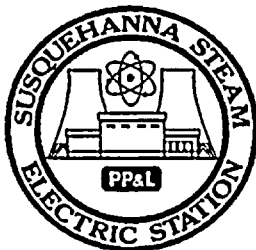


# OPERATING DATA REPORT



DOCKET NO. 50-387  
 UNIT One  
 DATE 3/06/97  
 COMPLETED BY Becky Mattern  
 TELEPHONE (717) 542-3453

NOTES

### OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: February 1997
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1165
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1128
7. Maximum Dependable Capacity (Net MWe): 1090
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

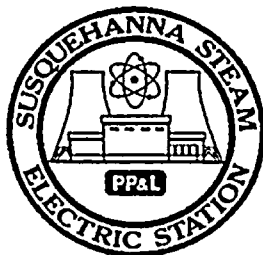
	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	672	1,416	120,361
12. Number of Hours Reactor Was Critical	593.4	1,337.4	95,299.2
13. Reactor Reserve Shutdown Hours	0	0	1,032
14. Hours Generator On-Line	593.4	1,337.4	93,655.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,031,818	4,574,319	298,209,900
17. Gross Electrical Energy Generated (MWH)	682,276	1,537,769	97,412,963
18. Net Electrical Energy Generated (MWH)	657,215	1,482,589	93,638,084
19. Unit Service Factor	88.3	94.5	77.8
20. Unit Availability Factor	88.3	94.5	77.8
21. Unit Capacity Factor (Using MDC Net)	89.7	96.1	74.3
22. Unit Capacity Factor (Using DER Net)	88.9	95.2	73.6
23. Unit Forced Outage Rate	11.7	5.6	6.8
24. Shut Down 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	_____	_____

9703240219 970317  
 PDR ADDCK 05000387  
 R PDR

## AVERAGE DAILY UNIT POWER LEVEL



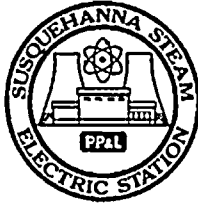
DOCKET NO. 50-387  
 UNIT One  
 DATE 3-6-97  
 COMPLETED BY Becky Mattern  
 TELEPHONE (717) 542-3453

MONTH February 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1116	17.	1116
2.	1092	18.	1114
3.	1117	19.	1112
4.	1117	20.	1117
5.	1117	21.	1094
6.	1118	22.	1017
7.	1117	23.	1116
8.	1116	24.	1115
9.	1117	25.	797
10.	1116	26.	0
11.	1117	27.	0
12.	1115	28.	0
13.	1117	29.	
14.	1115	30.	
15.	1116	31.	
16.	1116		

**INSTRUCTION:**

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.



## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-387  
 UNIT One  
 DATE 03/06/97  
 COMPLETED BY Becky Mattern  
 TELEPHONE (717) 542-3453

REPORT MONTH February 1997

No	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
2	970221	S	0.0	B	5	NA	XX	ZZZ	Unit One commenced a power reduction to as low as 72% at 2219 hours February 21 to perform a control rod sequence exchange and scram time testing. Evolution was completed and unit returned to 100% power at 1505 hours February 22.
3	970225	F	78.6	H	2	1-97-006	WF	PL	Unit One was manually scrammed at 1723 hours February 25 due to the loss of main condenser vacuum. Main condenser vacuum was lost as a result of the isolation of the Offgas Recombiner System. Water from a core drilling operation dripped onto the local hydrogen analyzer panel causing an offgas system isolation. The Unit remained shutdown to completed maintenance required for startup.

- |  |  |   |   |                                      |
|--|--|---|---|--------------------------------------|
| <b>1.</b><br>F. Forced<br>S. Scheduled | <b>2.</b><br>Reason:<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) | <b>3.</b><br>Method:<br>1- Manual<br>2- Manual Scram<br>3- Automatic Scram<br>4- Continuation from previous month<br>5- Reduction<br>9- Other | <b>4.</b><br>Exhibit G - Instructions<br>for Preparation of Data<br>Entry Sheets for Licensee<br>Event Report (LER) File (NUREG-0161) | <b>5.</b><br>Exhibit I - Same Source |
|--|--|---|---|--------------------------------------|

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-387      Date: 3/06/97

Completed by: Becky Mattern      Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

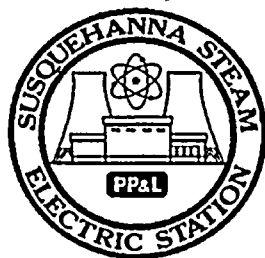
Changes to the Offsite Dose Calculation Manual

Yes. See Attachment A for changes.

Major Changes to Radioactive Waste Treatment System

None.

## AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-388  
 UNIT Two  
 DATE 3/6/97  
 COMPLETED BY Becky Mattern  
 TELEPHONE (717) 542-3453

MONTH February 1997

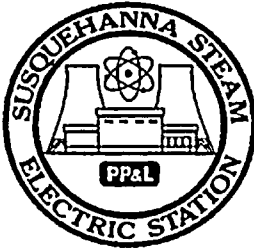
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	991
2.	983
3.	1007
4.	1110
5.	1098
6.	1092
7.	1078
8.	927
9.	934
10.	1098
11.	1080
12.	1071
13.	1070
14.	1066
15.	1064
16.	1060

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	1055
18.	1050
19.	1045
20.	1045
21.	1035
22.	1033
23.	1035
24.	1032
25.	1028
26.	1018
27.	1014
28.	1016
29.	
30.	
31.	

**INSTRUCTION:**

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  
 UNIT Two  
 DATE 3/06/97  
 COMPLETED BY Becky Mattern  
 TELEPHONE (717) 542-3453

NOTES:

OPERATING STATUS

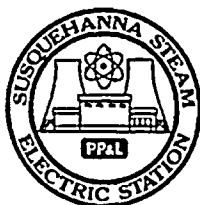
1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: February 1997
3. Licensed Thermal Power (MWt): 3441
4. Nameplate Rating (Gross MWe): 1168
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1132
7. Maximum Dependable Capacity (Net MWe): 1094
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: Fuel Cycle coastdown commenced  
2/04/97.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	672	1,416	105,600
12. Number of Hours Reactor Was Critical	672	1,416	89,774.0
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	672	1,416	88,245.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,158,661	4,667,911	286,114,966
17. Gross Electrical Energy Generated (MWH)	725,390	1,566,288	93,690,200
18. Net Electrical Energy Generated (MWH)	699,180	1,511,436	90,232,252
19. Unit Service Factor	100	100	83.6
20. Unit Availability Factor	100	100	83.6
21. Unit Capacity Factor (Using MDC Net)	95.1	97.6	80.9
22. Unit Capacity Factor (Using DER Net)	94.6	97.0	80.4
23. Unit Forced Outage Rate	0	0	4.8

24. Shut Down Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
8 Refuel Inspection Outage; Start March 15, 1997; duration 39 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



DOCKET NO. 50-388  
 UNIT Two  
 DATE 03/06/97  
 COMPLETED BY Becky Mattern  
 TELEPHONE (717) 542-3453

REPORT MONTH February 1997

No	Date	Type	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
2	970131	F	0.0	A	4	NA	SG	TBG	Unit 2 reduced power to 75% at 2000 hours January 30 to perform forced maintenance activities. A tube leak was identified and repaired in the "C" waterbox of the low pressure condenser. Unit raised power level to 90% at 2000 hours January 31 and then entered into a scheduled preventive maintenance activity for work on 14 control rod drive hydraulic control units. The Unit was returned to 100% power at 1908 hours February 3.
3	970208	F	0.0	B	5	NA	AA	HCU	Unit 2 reduced power to 85% at 2205 hours February 7 to perform scheduled preventive maintenance activities on several control rod hydraulic control units. Work was successfully completed and the unit returned to 99% power at 0030 hours February 10.

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

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-388

Date: 3/05/97

Completed by: Becky Mattern

Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

Yes. See Attachment A for changes.

Major Changes to Radioactive Waste Treatment System

None.