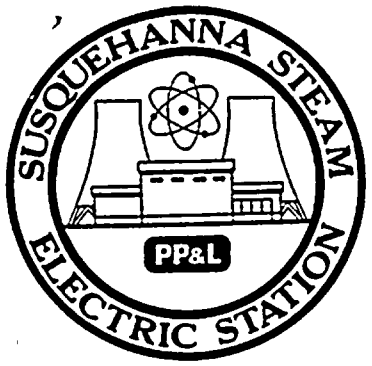


AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 30-387
UNIT One
DATE 2-7-90
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

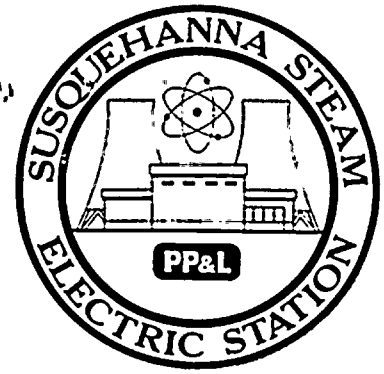
MONTH January, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1054	17	1050
2	1054	18	1048
3	1052	19	1055
4	1050	20	1054
5	1052	21	1053
6	1053	22	1054
7	1052	23	1055
8	1053	24	1052
9	1053	25	1050
10	1053	26	1016
11	1054	27	659
12	1054	28	814
13	1053	29	1053
14	965	30	1054
15	1051	31	1055
16	1051		

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.

(9/77)



OPERATING DATA REPORT

DOCKET NO. 50-387
DATE 2-7-90
COMPLETED BY K.A. Young
TELEPHONE (717) 542-3251

OPERATING STATUS

1. Unit Name: Unit One
Susquehanna Steam Electric Station
2. Reporting Period: January 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): 1069.3
7. Maximum Dependable Capacity (Net MWe): 1032.7
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	744	58,321
12. Number Of Hours Reactor Was Critical	744	744	44,278.3
13. Reactor Reserve Shutdown Hours	0	0	1032
14. Hours Generator On-Line	744	744	43,345.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,401,815	2,401,815	135,572,461
17. Gross Electrical Energy Generated (MWH)	792,482	792,482	44,250,322
18. Net Electrical Energy Generated (MWH)	764,932	764,932	42,479,604
19. Unit Service Factor	100	100	74.3
20. Unit Availability Factor	100	100	74.3
21. Unit Capacity Factor (Using MDC Net)	99.6	99.6	70.5
22. Unit Capacity Factor (Using DER Net)	97.9	97.9	69.4
23. Unit Forced Outage Rate	0	0	9.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None scheduled.

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		

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1990

DOCKET NO. 50-387
UNIT NAME One
DATE 2-7-90
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
1	900126	S	0	B	5	N/A	XX	ZZZ	Commencing at 2100 January 26, Unit One Reactor power was reduced to 65% for scheduled maintenance outage. Control rod sequence exchange was completed. Power level was held at 67% for 35 hours for repairs of steam leaks on feedwater heater drain valves. Unit returned to 100% level at 0200 hours January 29.

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 2-7-90

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

Challenges to Main Steam Safety Relief Valves

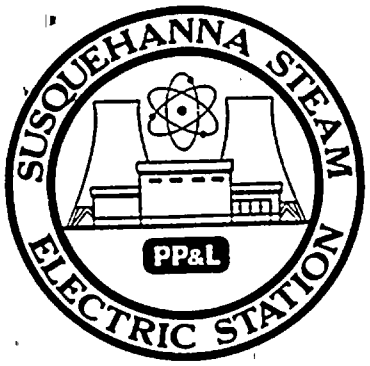
None.

Changes to the Offsite Dose Calculation Manual

Changes to the Offsite Dose Calculation Manual are included in Attachment A.

Major Changes to Radioactive Waste Treatment Systems

None.



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388
UNIT Two
DATE 2-7-90
COMPLETED BY K. A. Young
TELEPHONE (717) 542-3251

MONTH January, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1058	17	1051
2	1059	18	1051
3	1058	19	1010
4	1057	20	973
5	1058	21	1055
6	1059	22	1055
7	1057	23	903
8	1057	24	916
9	1057	25	1054
10	1055	26	1057
11	1056	27	1057
12	1056	28	1056
13	1057	29	1057
14	1055	30	1057
15	1052	31	1057
16	1053		

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.

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

PP&L

OPERATING DATA REPORT

DOCKET NO. 50-388
DATE 2-7-89
COMPLETED BY K.A. Young
TELEPHONE (717)542-3251

OPERATING STATUS

1. Unit Name: Unit Two Susquehanna Steam Electric Station
2. Reporting Period: January 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): 1074.6
7. Maximum Dependable Capacity (Net MWe): 1038.2

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	744	744	43,560
12. Number Of Hours Reactor Was Critical	744	744	35,409.3
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	744	744	34,639.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,423,809	2,423,809	109,231,784
17. Gross Electrical Energy Generated (MWH)	803,308	803,308	35,791,221
18. Net Electrical Energy Generated (MWH)	775,556	775,556	34,436,237
19. Unit Service Factor	100	100	79.5
20. Unit Availability Factor	100	100	79.5
21. Unit Capacity Factor (Using MDC Net)	100.4	100.4	76.2
22. Unit Capacity Factor (Using DER Net)	99.3	99.3	75.3
23. Unit Forced Outage Rate	0	0	6.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None scheduled.

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	_____	_____

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION
PP&L

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1990

DOCKET NO. 50-388
UNIT NAME Two
DATE 2-7-90
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
No Report Required.									

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 2-7-90

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

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

Changes to the Offsite Dose Calculation Manual are included in Attachment A.

Major Changes to Radioactive Waste Treatment Systems

None.

SUMMARY OF ODCM CHANGES

Due to the necessity of conversion to a new word processing system, this ODCM revision affects the entire manual. Changes other than those of a minor, editorial nature are summarized below.

1. Deleted Figure 1 (Flow Chart for Offsite Dose Calculations) because it was unnecessary and could be misleading.

2. Added indication to Equation 3 that the calculated setpoint count rate is to be added to the background count rate (p. 6).

3. Updated the SSES site boundary distances based on land purchases (Table 3, p. 19).

4. Eliminated dose rate parameters for radionuclides other than noble gases for the ground and food pathways, because Technical Specification 3.11.2.1 applies a limit on the inhalation pathway only (Table 4, p. 20).

5. Changed Equation 11 (individual dose due to waterborne effluents, p. 22) to apply dilution factors to the fish pathway in addition to the drinking water pathway. This change is made to be in accordance with the methodology used by the LADTAP II code and to achieve a higher level of realism.

6. Added provisions for use of variable dilution factors based on measured river level instead of a fixed annual-average value based on historical data (pp. 22, D-4).

7. Expanded the description of airborne waste treatment systems in Section 8.2 (pp. 32,33).

8. Added a definition of appropriate treatment for airborne effluents, including discussion of evaluations done when taking ventilation exhaust treatment system components out of service (pp. 33-35).

9. Updated the description and flow diagrams of the solid radwaste processing systems, including addition of a flow diagram covering dry contaminated waste processing (pp. 35,36,39,40).

10. Updated the description and maps for the Radiological Environmental Monitoring Program (pp. 41-49).

11. Added Policy Statement 10.7 (pp. 54-55) on application of effluent monitor line-loss correction factors.

12. Added Policy Statement 10.8 (p. 55-56) on selection of data for determination of compliance with dose rate limits.

13. Added Policy Statement 10.9 (p. 56) on low-level radioactivity in the SSES sewage treatment plant.

14. Added Section 11 (p. 58) concerning ODCM review and revision control.