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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
 AUTH. NAME AUTHOR AFFILIATION
 BALL, B. Pennsylvania Power & Light Co.
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for ~~Apr 1994~~ for Susquehanna Steam Electric Station Units 1 & 2. W/940512 ltr.

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Pennsylvania Power & Light Company

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Senior Vice President—Nuclear
610/774-7502
Fax: 610/774-5019

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

MAY 12 1994

U.S. Nuclear Regulatory Commission

Attn.: Document Control Desk

Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-4136 FILE R41-2A

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

The April 1994 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

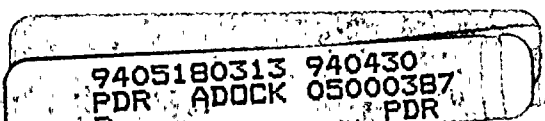
Very truly yours,



R. G. Byram

Attachment

cc: NRC Region I
Mr. G. S. Barber, NRC Resident Inspector
Mr. C. Poslusny, Jr., NRC Project Manager



JEZ4

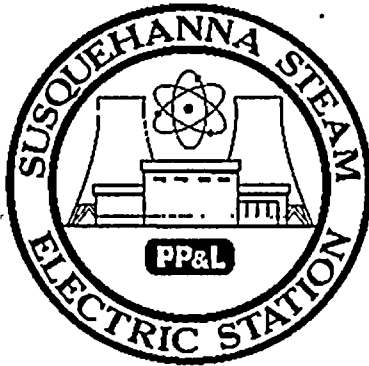


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AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387

UNIT: One

DATE: 05-05-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

MONTH April 1994

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (Mwe-Net) |
|-----|--|-----|--|
| 1 | <u>1049</u> | 17 | <u>1048</u> |
| 2 | <u>1048</u> | 18 | <u>1047</u> |
| 3 | <u>1045</u> | 19 | <u>1035</u> |
| 4 | <u>1051</u> | 20 | <u>1048</u> |
| 5 | <u>1046</u> | 21 | <u>1050</u> |
| 6 | <u>1043</u> | 22 | <u>1051</u> |
| 7 | <u>1050</u> | 23 | <u>1050</u> |
| 8 | <u>1052</u> | 24 | <u>1042</u> |
| 9 | <u>1048</u> | 25 | <u>1037</u> |
| 10 | <u>1043</u> | 26 | <u>1037</u> |
| 11 | <u>1051</u> | 27 | <u>1031</u> |
| 12 | <u>1050</u> | 28 | <u>1046</u> |
| 13 | <u>1046</u> | 29 | <u>1043</u> |
| 14 | <u>1045</u> | 30 | <u>1041</u> |
| 15 | <u>1036</u> | 31 | <u> </u> |
| 16 | <u>1042</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.



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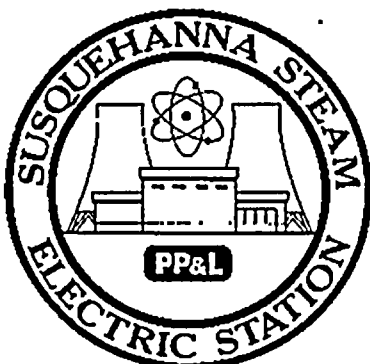
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OPERATING DATA REPORT



DOCKET NO.: 50-387
 DATE: 05-05-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717) 542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: April 1994
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

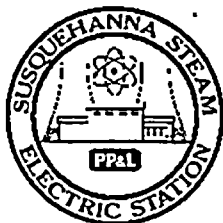
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

| | This Month | Yr-to-Date | Cumulative |
|--|------------------|------------------|--------------------|
| 11. Hours In Reporting Period | <u>719</u> | <u>2,879</u> | <u>95,520</u> |
| 12. Number of Hrs Reactor Was Critical | <u>719</u> | <u>2411.4</u> | <u>73,359.9</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>1,032</u> |
| 14. Hours Generator On-Line | <u>719</u> | <u>2368.6</u> | <u>71,873.7</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated(MWH) | <u>2,369,589</u> | <u>7,513,550</u> | <u>226,000,068</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>776,138</u> | <u>2,442,272</u> | <u>73,816,606</u> |
| 18. Net Electric Energy Generated (MWH) | <u>751,288</u> | <u>2,346,427</u> | <u>70,908,935</u> |
| 19. Unit Service Factor | <u>100.0</u> | <u>82.3</u> | <u>75.2</u> |
| 20. Unit Availability Factor | <u>100.0</u> | <u>82.3</u> | <u>75.2</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>100.5</u> | <u>78.4</u> | <u>71.4</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>99.5</u> | <u>77.6</u> | <u>70.7</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) <u>None.</u> | | | |

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 1994

DOCKET NO. 50-387
 UNIT NAME One
 DATE 05-05-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

| 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 this month. |

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.

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: 05-05-94

Completed by B. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

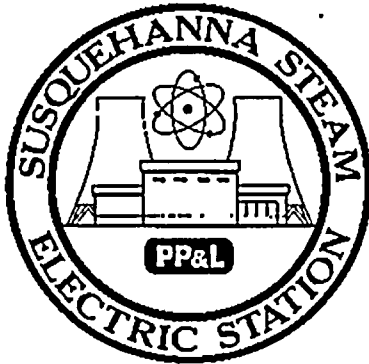
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 05-05-94

COMPLETED BY: B. Ball

TELEPHONE: (717) 542-3453

MONTH April 1994

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>0</u> |
| 2 | <u>0</u> |
| 3 | <u>0</u> |
| 4 | <u>0</u> |
| 5 | <u>0</u> |
| 6 | <u>0</u> |
| 7 | <u>0</u> |
| 8 | <u>0</u> |
| 9 | <u>0</u> |
| 10 | <u>0</u> |
| 11 | <u>0</u> |
| 12 | <u>0</u> |
| 13 | <u>0</u> |
| 14 | <u>0</u> |
| 15 | <u>0</u> |
| 16 | <u>0</u> |

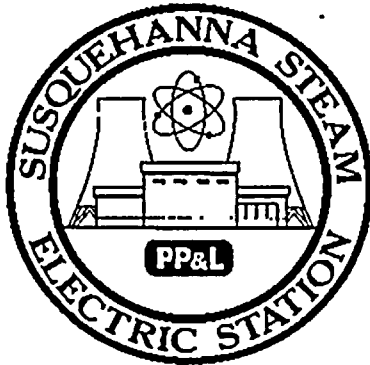
| DAY | AVERAGE DAILY POWER LEVEL (Mwe-Net) |
|-----|--|
| 17 | <u>0</u> |
| 18 | <u>0</u> |
| 19 | <u>0</u> |
| 20 | <u>0</u> |
| 21 | <u>0</u> |
| 22 | <u>0</u> |
| 23 | <u>0</u> |
| 24 | <u>0</u> |
| 25 | <u>0</u> |
| 26 | <u>0</u> |
| 27 | <u>0</u> |
| 28 | <u>0</u> |
| 29 | <u>0</u> |
| 30 | <u>0</u> |
| 31 | <u>0</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: 05-05-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 2)
2. Reporting Period: April 1994
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

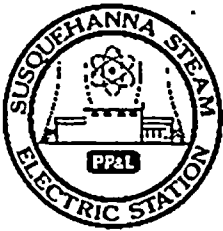
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

| | This Month | Yr-to-Date | Cumulative |
|---|---------------|------------------|--------------------|
| 11. Hours In Reporting Period | <u>719</u> | <u>2,879</u> | <u>80,759</u> |
| 12. Number of Hrs Reactor Was Critical | <u>0</u> | <u>1711.1</u> | <u>67,224.2</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>717.9</u> |
| 14. Hours Generator On-Line | <u>0</u> | <u>1692.3</u> | <u>65,904.0</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated(MWH) | <u>0</u> | <u>5,350,707</u> | <u>209,678,337</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>0</u> | <u>1,764,758</u> | <u>68,774,525</u> |
| 18. Net Electric Energy Generated (MWH) | <u>-4,299</u> | <u>1,692,273</u> | <u>66,197,449</u> |
| 19. Unit Service Factor | <u>0.0</u> | <u>58.8</u> | <u>81.6</u> |
| 20. Unit Availability Factor | <u>0.0</u> | <u>58.8</u> | <u>81.6</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>N/A</u> | <u>56.3</u> | <u>78.5</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>N/A</u> | <u>56.0</u> | <u>78.1</u> |
| 23. Unit Forced Outage Rate | <u>0</u> | <u>3.0</u> | <u>5.6</u> |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)
Unit 2 6RIO commenced on 3/14/94.

25. If Shut Down At End of Report Period, Estimated Date of Startup: 5/30/94
26. Units In Test Status (Prior to Commercial Operation):

| | FORECAST | ACHIEVED |
|----------------------|---------------|---------------|
| INITIAL CRITICALITY | <u> </u> | <u> </u> |
| INITIAL ELECTRICITY | <u> </u> | <u> </u> |
| COMMERCIAL OPERATION | <u> </u> | <u> </u> |



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1994

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 05-05-94
 COMPLETED BY B. Ball
 TELEPHONE (717) 542-3453

| 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 | 940314 | S | 719 | C | 4 | N/A | XX | ZZZ | Unit 2 was manually shutdown for its planned sixth refuel and inspection outage commencing at 0837 hours March 14. The generator was taken offline at 1604 hours March 14 and a manual Reactor scram was initiated at 1650 hours March 14. The planned outage length is 10 weeks. The estimated return to service is May 30, 1994. |

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: 05-05-94

Completed by B. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.