

Robert A. Saccone
Vice President - Nuclear Operations

PPL Susquehanna, LLC
769 Salem /Boulevard
Berwick, PA 18603
Tel. 570.542.3959 Fax 570.542.1504
RASaccone@pplweb.com



September 14, 2006

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, D.C. 20555-0001

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
Docket Nos. 50-387/NPF-14 and 50-388/NPF-22
PLA -006118

The August 2006 Monthly Operating Reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

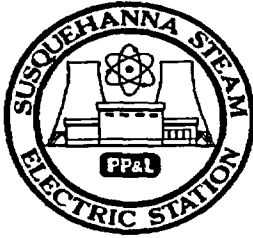
Robert A. Saccone

JJH/cmm

cc: NRC Region 1
NRC Sr. Resident Inspector, Mr. Alan Blamey
NRC Project Manager, Mr. R V. Guzman

IE24

OPERATING DATA REPORT



| | |
|--------------|----------------|
| DOCKET NO. | 50-387 |
| UNIT | One |
| DATE | 09/14/2006 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: August 2006
3. Design Electrical Rating (Net MWe): 1177
4. Maximum Dependable Capacity (Net MWe): 1135

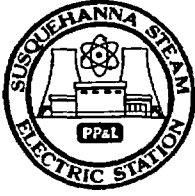
| | This Month | Yr.-to-Date | Cumulative |
|--|------------|-------------|-------------|
| 5. Hours in Reporting Period | 744 | 5831 | 203,664.0 |
| 6. Number of Hours Reactor Was Critical | 744 | 4856.7 | 171,234.2 |
| 7. Hours Generator On-Line | 744 | 4803.7 | 168,760.8 |
| 8. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 9. Net Electrical Energy Generated (MWH) | 839,334 | 5,376,191 | 175,459,249 |

NOTES:

Correction for the report covering July 2006:

The YTD Critical hours (#6), was reported as 4122.7 hrs for Unit 1. The corrected value is 4112.7 hrs which agrees with the Cumulative data column for July and data previously submitted through CDE.

UNIT SHUTDOWNS



| | |
|--------------|----------------|
| DOCKET NO. | 50-387 |
| UNIT | One |
| DATE | 09/14/2006 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

REPORT MONTH August 2006

| No. | Date | Type ₁ | Duration (Hours) | Reason ₂ | Method of Shutting Down Reactor ₃ | Cause & Corrective Action To Prevent Recurrence |
|-----|------|----------------------|---------------------|------------------------|--|--|
| | | | | | | No shutdowns this month. |

Summary:

There were no power reductions greater than 20% power this month.

1.
F. Forced
S. Scheduled

2.
Reason:
A - Equipment Failure (Explain)
B - Maintenance or Test
C - Refueling
D - Regulatory Restriction

E - Operator Training & Licensee Exam
F - Administrative
G - Operational Error (Explain)

3.
Method:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Continuation from
previous month
5 - Other

SUSQUEHANNA STEAM ELECTRIC STATION

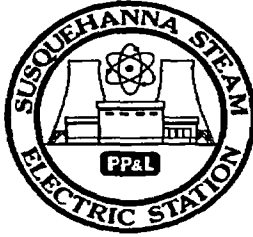
Docket Number: 50-387
Completed by: J. J. Hennings

Date: 09/14/2006
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.

OPERATING DATA REPORT



| | |
|--------------|----------------|
| DOCKET NO. | 50-388 |
| UNIT | Two |
| DATE | 09/14/2006 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

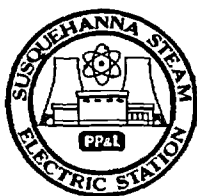
OPERATING STATUS

- 5. Unit Name: Susquehanna Steam Electric Station (U2)
- 6. Reporting Period: August 2006
- 7. Design Electrical Rating (Net MWe): 1182
- 8. Maximum Dependable Capacity (Net MWe): 1140

| | This Month | Yr.-to-Date | Cumulative |
|--|------------|-------------|-------------|
| 5. Hours in Reporting Period | 744 | 5,831 | 188,904 |
| 6. Number of Hours Reactor Was Critical | 744 | 5701.8 | 166,373.5 |
| 7. Hours Generator On-Line | 744 | 5680.0 | 164,273.4 |
| 8. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 9. Net Electrical Energy Generated (MWH) | 826,316 | 6,446,529 | 174,147,403 |

NOTES:

UNIT SHUTDOWNS



| | |
|--------------|----------------|
| DOCKET NO. | 50-388 |
| UNIT | Two |
| DATE | 09/14/2006 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

REPORT MONTH August 2006

| No. | Date | Type <small>1</small> | Duration (Hours) | Reason <small>2</small> | Method of Shutting Down Reactor <small>3</small> | Cause & Corrective Action to Prevent Recurrence |
|-----|------|--------------------------|---------------------|----------------------------|--|--|
| | | | | | | There were no shutdowns this month. |

Summary: The only power reduction greater than 20% was on August 26 for a scheduled down power to 75%. The time required at reduced power was extended to address a stuck control rod. 100% power was achieved on 8/29/2006.

- 1.
- F. Forced
S. Scheduled

- 2.
- Reason:
- A - Equipment Failure (Explain)
 - B - Maintenance or Test
 - C - Refueling
 - D - Regulatory Restriction
 - E - Operator Training & Licensee Exam
 - F - Administrative
 - G - Operational Error (Explain)

- 3.
- Method:
- 1 - Manual
 - 2 - Manual Scram
 - 3 - Automatic Scram
 - 4 - Continuation from previous month
 - 5 - Other

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number: 50-388
Completed by: J. J. Hennings

Date: 09/14/2006
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.