

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, 2005

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-05964

The August 2005 Monthly Operating Reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



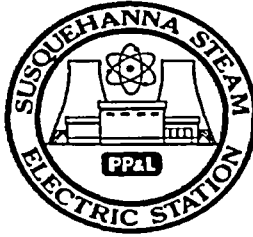
Robert A. Saccone

JJH/cmm

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

JE24

## OPERATING DATA REPORT



|              |                |
|--------------|----------------|
| DOCKET NO.   | 50-387         |
| UNIT         | One            |
| DATE         | 09/12/2005     |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE    | (570) 542-3747 |

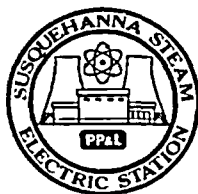
### OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: August 2005
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        | 5831.0      | 194,904.0   |
| 6. Number of Hours Reactor Was Critical  | 744        | 5831.0      | 163,819.0   |
| 7. Hours Generator On-Line               | 744        | 5831.0      | 161,431.0   |
| 8. Unit Reserve Shutdown Hours           | 0          | 0           | 0           |
| 9. Net Electrical Energy Generated (MWH) | 824,509    | 6,603,588   | 167,244,030 |

**NOTES:**

## UNIT SHUTDOWNS



|              |                |
|--------------|----------------|
| DOCKET NO.   | 50-387         |
| UNIT         | One            |
| DATE         | 09/12/2005     |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE    | (570) 542-3747 |

REPORT MONTH August 2005

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

Summary: The only power change greater than 20% was on 8/05/05 for planned control rod stroking and timing. Power was reduced to 70% and returned to 100% power on 8/07/05.

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**

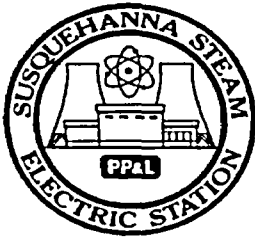
**Docket Number:** 50-387  
**Completed by:** J. J. Hennings

**Date:** 09/12/05  
**Telephone:** (570) 542-3747

**Challenges to Main Steam Safety Relief Valves**

**None.**

## OPERATING DATA REPORT



|              |                |
|--------------|----------------|
| DOCKET NO.   | 50-388         |
| UNIT         | Two            |
| DATE         | 09/12/05       |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE    | (570) 542-3747 |

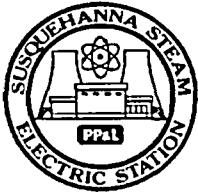
### OPERATING STATUS

5. Unit Name: Susquehanna Steam Electric Station (U2)
6. Reporting Period: August 2005
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       | 180,144     |
| 6. Number of Hours Reactor Was Critical  | 744        | 5,062.9     | 157,742.7   |
| 7. Hours Generator On-Line               | 744        | 4,971.8     | 155,664.5   |
| 8. Unit Reserve Shutdown Hours           | 0          | 0           | 0           |
| 9. Net Electrical Energy Generated (MWH) | 836,514    | 5,518,037   | 164,333,177 |

### NOTES:

## UNIT SHUTDOWNS



|              |                |
|--------------|----------------|
| DOCKET NO.   | 50-388         |
| UNIT         | Two            |
| DATE         | 09/12/05       |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE    | (570) 542-3747 |

REPORT MONTH August 2005

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

Summary: No power changes greater than 20 % were performed 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:** 50-388  
**Completed by:** J. J. Hennings

**Date:** 09/12/05  
**Telephone:** (570) 542-3747

**Challenges to Main Steam Safety Relief Valves**

None.