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U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station OP1-17
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
Docket Nos. 50-387/NPF-14 and 50-388/NPF-22
PLA- 005685

The September 2003 Monthly Operating Reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

Richard L. Anderson

JJH/cmm

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

IE24

## OPERATING DATA REPORT

| | |
|---|---|
| DOCKET NO. | 50-387 |
| UNIT | One |
| DATE | 10/13/2003 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: September 2003
3. Design Electrical Rating (Net MWe): 1115
4. Maximum Dependable Capacity (Net MWe): 1105

| | | This Month | Yr.-to-Date | Cumulative |
|---|---|---|---|---|
| 5. | Hours in Reporting Period | 720 | 6,551 | 178,080 |
| 6. | Number of Hours Reactor Was Critical | 580.3 | 6,411.3 | 148,275.8 |
| 7. | Hours Generator On-Line | 561 | 6,376.7 | 146,030.5 |
| 8. | Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 9. | Net Electrical Energy Generated (MWH) | 571,945 | 6,925,157 | 150,178,686 |

**NOTES:**

## UNIT SHUTDOWNS

| | |
|---|---|
| DOCKET NO. | 50-387 |
| UNIT | One |
| DATE | 10/13/2003 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

REPORT MONTH September 2003

| No. | Date | Type [1] | Duration (Hours) | Reason [2] | Method of Shutting Down Reactor [3] | Cause & Corrective Action To Prevent Recurrence |
|---|---|---|---|---|---|---|
| 1 | 9/24/03 | F | 159 | G | 3 | Unplanned automatic scram due to low reactor water level following an inadvertent trip of a Feedpump during Feedpump testing. Human Performance items were addressed. Plant equipment checks were performed and evaluations concerning equipment operating margins were initiated. |

Summary: Other than the September 24 scram an unplanned manual power reduction to 60% power was performed on 9/10/03. The power reduction was due to a small fire at the "B" Reactor Feedpump Turbine which required shutting the Feedpump down.

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 | **Date:** | 10/13/03 |
| **Completed by:** | J. J. Hennings | **Telephone:** | (570) 542-3747 |

**Challenges to Main Steam Safety Relief Valves**

**None.**

## OPERATING DATA REPORT

| | |
|---|---|
| DOCKET NO. | 50-388 |
| UNIT | Two |
| DATE | 10/13/03 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: September 2003
3. Design Electrical Rating (Net MWe): 1182*
4. Maximum Dependable Capacity (Net MWe): 1140*

| | | This Month | Yr.-to-Date | Cumulative |
|---|---|---|---|---|
| 5. | Hours in Reporting Period | 720 | 6,551 | 163,320 |
| 6. | Number of Hours Reactor Was Critical | 720 | 5,537.4 | 141,686.8 |
| 7. | Hours Generator On-Line | 720 | 5,492.9 | 139,699.6 |
| 8. | Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 9. | Net Electrical Energy Generated (MWH) | 818,701 | 6,086,664 | 146,197,658 |

NOTES:

*During the U2 11th Refueling Outage, the Main Turbine was replaced with a newly designed HP and three LP turbines. The Design Rating and Maximum Dependable Capacity rating changed following the analysis of the official Performance/Acceptance Test performed in early June. Maximum Dependable Capacity rating is now 1140 MWe Net. The Design Electrical Rating of 1182 MWe Net is the nominal value identified in the FSAR (1220 MWe Gross) and corresponds closely to the Winter Production Rating.

## UNIT SHUTDOWNS

| | |
|---|---|
| DOCKET NO. | 50-388 |
| UNIT | Two |
| DATE | 10/13/2003 |
| COMPLETED BY | J. J. Hennings |
| TELEPHONE | (570) 542-3747 |

REPORT MONTH September 2003

| 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: The only significant power change in September was for a planned Control Rod Sequence Exchange on 9/6/03. Power was reduced to approximately 68%, and returned to 100% power on 9/7/03.

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 **Date:** 10/13/2003
**Completed by:** J. J. Hennings **Telephone:** (570) 542-3747

**Challenges to Main Steam Safety Relief Valves**

**None.**