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October 13, 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-006123

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

Very truly yours,

A handwritten signature in black ink, appearing to read "R. Saccone", is written over a horizontal line.

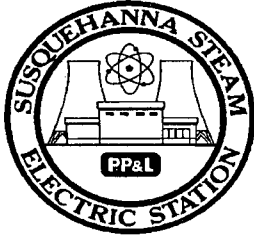
Robert A. Saccone

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 10/13/2006
COMPLETED BY J. J. Hennings
TELEPHONE (570) 542-3747

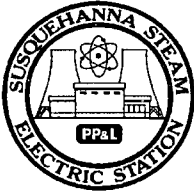
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: September 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	<u>720</u>	<u>6551</u>	<u>204,384.0</u>
6. Number of Hours Reactor Was Critical	<u>720</u>	<u>5576.7</u>	<u>171,954.2</u>
7. Hours Generator On-Line	<u>720</u>	<u>5523.7</u>	<u>169,480.8</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>795,357</u>	<u>6,171,548</u>	<u>176,254,606</u>

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	50-387
UNIT	One
DATE	10/13/2006
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH September 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
						No shutdowns this month.

Summary:

Two power changes greater than 20% include:

- 1) 9/1/06 to 75% power for a planned sequence exchange. 9/5/06 achieved 100% power.
- 2) 9/16/06 planned reduction to 70% reactor power to perform rod testing and maintenance and a sequence exchange. On 9/18/06 power was raised to 100%.

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

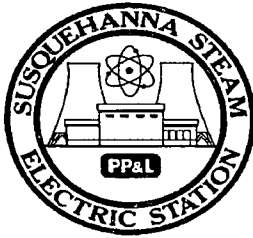
Docket Number: 50-387
Completed by: J. J. Hennings

Date: 10/13/2006
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.

OPERATING DATA REPORT



DOCKET NO.	<u>50-388</u>
UNIT	<u>Two</u>
DATE	<u>10/13/2006</u>
COMPLETED BY	<u>J. J. Hennings</u>
TELEPHONE	<u>(570) 542-3747</u>

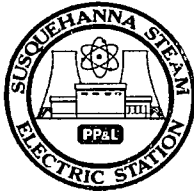
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: September 2006
3. Design Electrical Rating (Net MWe): 1182
4. Maximum Dependable Capacity (Net MWe): 1140

	<u>This Month</u>	<u>Yr.-to-Date</u>	<u>Cumulative</u>
5. Hours in Reporting Period	<u>720</u>	<u>6551</u>	<u>189,624</u>
6. Number of Hours Reactor Was Critical	<u>700.93</u>	<u>6402.8</u>	<u>167,074.5</u>
7. Hours Generator On-Line	<u>696.03</u>	<u>6376.0</u>	<u>164,969.5</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>790,891</u>	<u>7,237,420</u>	<u>174,938,294</u>

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	<u>50-388</u>
UNIT	<u>Two</u>
DATE	<u>10/13/2006</u>
COMPLETED BY	<u>J. J. Hennings</u>
TELEPHONE	<u>(570) 542-3747</u>

REPORT MONTH September 2006

No.	Date	Type ₁	Duration (Hours)	Reason ₂	Method of Shutting Down Reactor ₃	Cause & Corrective Action to Prevent Recurrence
2	9/30/06	S	23.97	B	1	9/29/06 Commenced lowering power from 100% for Fall Rechanneling Outage. 9/30/06 Tripped Main Turbine. 9/30/06 All rods in following soft shutdown.

Summary:

No other power reductions greater than 20% were performed in September.

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: 10/13/2006
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.