

Richard L. Anderson
Vice President - Nuclear Operations

PPL Susquehanna, LLC
769 Salem /Boulevard
Berwick, PA 18603
Tel. 570.542.3883 Fax 570.542.1504
RLAnderson@pplweb.com



October 14, 2002

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-005546 R41-2A

The September 2002 Monthly Operating Reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

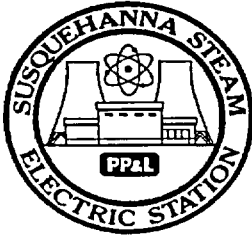

Richard L. Anderson

JJH/cmm

cc: NRC Region 1
NRC Sr. Resident Inspector, Mr. S. Hansell
NRC Sr. Project Manager, Mr. T. G. Colburn
NRC Project Manager, Mr. E. M. Thomas

IE24

OPERATING DATA REPORT



DOCKET NO.	50-387
UNIT	One
DATE	10/14/02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

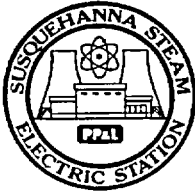
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: September 2002
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	6551	169,320
6. Number of Hours Reactor Was Critical	720	5353.3	139,655.5
7. Hours Generator On-Line	720	5284.8	137,444.8
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	787,799	5,581,025	140,807,934

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	50-387
UNIT	One
DATE	10/14/02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH September 2002

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: The only significant power change during September was an unplanned manual power reduction to 62% on 9/08/02. The reduction was due to an automatic isolation of a main turbine extraction steam line. Full power was restored on 9/10/02.

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

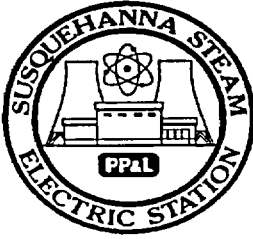
Docket Number: 50-387
Completed by: J. J. Hennings

Date: 10/14/02
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.

OPERATING DATA REPORT



DOCKET NO.	50-388
UNIT	Two
DATE	10/14/02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

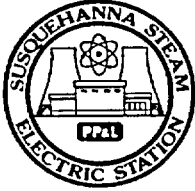
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: September 2002
3. Design Electrical Rating (Net MWe): 1117
4. Maximum Dependable Capacity (Net MWe): 1111

	This Month	Yr.-to-Date	Cumulative
5. Hours in Reporting Period	720	6551	154,560
6. Number of Hours Reactor Was Critical	718.2	6549.2	134,206.2
7. Hours Generator On-Line	718.2	6549.2	132,315.9
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	791,841	7,223,234	138,028,064

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	50-388
UNIT	Two
DATE	10/14/02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH September 2002

No.	Date	Type ₁	Duration (Hours)	Reason ₂	Method of Shutting Down Reactor ₃	Cause & Corrective Action to Prevent Recurrence
1	9/30/02	F	1.8 hrs in Sept. and into October	B,G	3	<p>Automatic scram from 74% power at 22:10 due to a turbine trip on high condenser pressure. The unit was at 74% power due to a reactor recirc system runback which resulted from a loss of 120V AC power. This loss of AC power also caused loss of the U2 off-gas recombiner causing condenser pressure to rise to the turbine trip setpoint.</p> <p>The loss of power occurred during maintenance on an Uninterruptible Power Supply.</p>

Summary: An Event Review Team investigation is in progress. Preliminary results are that a misinterpretation of a maintenance work plan, while doing preventive maintenance on 2D130 Uninterruptible Power Supply, resulted in a momentary closure of an incorrect circuit breaker. The team is also investigating the operation of an electrical interlock, which should have prevented the inadvertent operation of the incorrect circuit from causing the loss of power. Components have been replaced and tested.

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: 10/14/02
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.