

Robert F. Saunders  
Vice President - Nuclear Site Operations

Susquehanna Steam Electric Station.  
P.O. Box 467, Berwick, PA 18603  
Tel. 570.542.3256 Fax 570.542.1504  
rfsaunders@papl.com

January 12, 2000

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station P1-137  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS Docket Nos. 50-387/NPF-14  
and 50-388/NPF-22  
PLA - 5154 FILE: R41-2A

---

The December 1999 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



Robert F. Saunders

/cmm

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

IE24

Robert F. Saunders  
Vice President - Nuclear Site Operations

**Susquehanna Steam Electric Station.**  
P.O. Box 467, Berwick, PA 18603  
Tel. 570.542.3256 Fax 570.542.1504  
rfsaunders@papl.com

January 12, 2000

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station P1-137  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
MONTHLY OPERATING REPORTS Docket Nos. 50-387/NPF-14  
and 50-388/NPF-22  
PLA - 5154                      FILE: R41-2A

---

The December 1999 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



Robert F. Saunders

/cmm

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

File R41-2A PLA-  
Document Control Desk

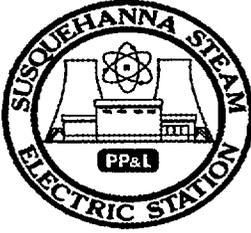
bc: INPO Records Center  
700 Galleria Parkway  
Atlanta, GA 30339-5957

American Nuclear Insurers  
Town Center, 300S  
29 South Main Street  
West Hartford, Ct 06107-2445  
Attn: Mr. Stanley Focht

Mr. S. Maingi  
Department of Environmental Protection  
Bureau of Rad Protection  
P.O. Box 2063  
Harrisburg, PA 17102

R. G. Byram	GENTW16
R. R. Wehry	NUCSA4
H. D. Woodeshick	Special Office
J. M. Finnegan	NUCSA2
Licensing Corresp. File	GENA61
Nuclear Records File	GENA62
DCS File	NUCSA2

## OPERATING DATA REPORT



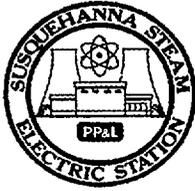
DOCKET NO. 50-387  
 UNIT One  
 DATE 01/11/00  
 COMPLETED BY J. M. Finnegan  
 TELEPHONE (570) 542-3242

### OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: December 1999
3. Design Electrical Rating (Net MWe): 1100
4. Maximum Dependable Capacity (Net MWe): 1090

	This Month	Yr.-to-Date	Cumulative
5. Hours in Reporting Period	744	8,760	145,225
6. Number of Hours Reactor Was Critical	744	8,278.6	117,887.5
7. Hours Generator On-Line	744	8,234.5	115,843.3
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	815,548	8,814,471	117,640,218

### NOTES:



## UNIT SHUTDOWNS

DOCKET NO. 50-387  
 UNIT One  
 DATE 01/11/00  
 COMPLETED BY J. M. Finnegan  
 TELEPHONE (570) 542-3242

REPORT MONTH December 1999

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 report this month.

Summary: Unit One reduced power to 74% for a scheduled control rod sequence exchange on December 4. Unit returned to 100% power at 1400 hours, December 5. On December 31, the grid dispatcher requested Unit 1 to reduce power to 80% level.

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. M. Finnegan**

**Date: 01/11/00**  
**Telephone: (570) 542-3242**

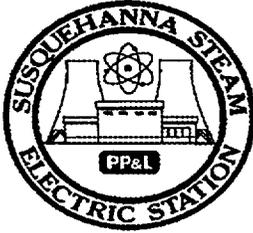
**Challenges to Main Steam Safety Relief Valves**

**None.**

**Major Changes to Radioactive Waste Treatment System**

**None.**

# OPERATING DATA REPORT



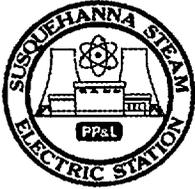
DOCKET NO. 50-388  
UNIT Two  
DATE 01/11/00  
COMPLETED BY J.M. Finnegan  
TELEPHONE (570) 542-3242

## OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: December 1999
2. Design Electrical Rating (Net MWe): 1100
3. Maximum Dependable Capacity (Net MWe): 1094

	This Month	Yr.-to-Date	Cumulative
5. Hours in Reporting Period	<u>744</u>	<u>8760</u>	<u>130,464</u>
6. Number of Hours Reactor Was Critical	<u>606.1</u>	<u>7,417.4</u>	<u>111,299.1</u>
7. Hours Generator On-Line	<u>584.4</u>	<u>7,270.5</u>	<u>109,485.7</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>615,024</u>	<u>7,794,674</u>	<u>113,060,490</u>

## NOTES:



### UNIT SHUTDOWNS

DOCKET NO. 50-388  
 UNIT Two  
 DATE 01/11/00  
 COMPLETED BY J. M. Finnegan  
 TELEPHONE (570) 542-3242

REPORT MONTH December 1999

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause & Corrective Action to Prevent Recurrence
4	12/17/99	F	159.6	A	2	Shutdown for suspected upper seal leak on 2A Reactor Recirc pump at 0856 hrs., December 17. Entered into seven day maintenance outage. Failure of pressure sensing line external to the upper seal was cause of leakage. Repairs were made and related lines were inspected. Additional work included repair to main generator hydrogen leak, weld on HV241F032B, work on various other valves. Unit returned to service at 0030 hrs. December 24 and reached 100% power at 1625 hours, December 25.

Summary: Unit Two was administratively limited to 3430 MW thermal until December 3. Unit returned to full power following resolution of concerns over pump speed oscillations on the 2A Rx Recirc pump. Power level was reduced to as low as 77% on December 11 to complete a control rod sequence exchange. Unit experienced indications of suspected upper seal failure on the 2A Rx Recirculation pump and entered a forced shutdown on December 17. Unit returned to service on December 24. On December 31, the grid dispatcher requested Unit Two to reduce power to 80% level starting at 2100 hours.

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. M. Finnegan**

**Date: 01/11/00**  
**Telephone: (570) 542-3242**

**Challenges to Main Steam Safety Relief Valves**

**None.**

**Major Changes to Radioactive Waste Treatment System**

**None.**