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May 14, 2004

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-005760

The April 2004 Monthly Operating Reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

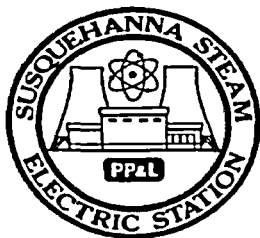
  
Richard L. Anderson

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	05/12/2004
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

### OPERATING STATUS

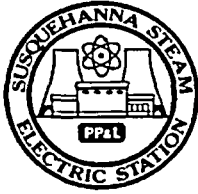
1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: April 2004
3. Design Electrical Rating (Net MWe): 1115\*
4. Maximum Dependable Capacity (Net MWe) 1105\*

	This Month	Yr.-to-Date	Cumulative
5. Hours in Reporting Period	<u>719</u>	<u>2,903</u>	<u>183,192</u>
6. Number of Hours Reactor Was Critical	<u>228.8</u>	<u>1,622.2</u>	<u>152,107.0</u>
7. Hours Generator On-Line	<u>180.4</u>	<u>1,572.4</u>	<u>149,182.0</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>164,823</u>	<u>1,540,404</u>	<u>154,153,842</u>

### NOTES:

\*Design Electrical Rating (DER) and Maximum Dependable Capacity (MDC) will change starting with the May reporting period due to turbine modifications that were completed in April.

## UNIT SHUTDOWNS



DOCKET NO.	50-387
UNIT	One
DATE	05/12/2004
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH April 2004

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
1	2/28/04	S	1329.6 (total)	C	4	Continuation of Planned Refuel Outage.
2.	4/21/04	F	0	A*	2	Prior to generator on-line, plant procedures required a manual scram due to plant high turbine vibration.

Summary: The Unit 1-13 Refueling Outage end date was April 23, 2004.

\*On 4/21/04, prior to generator being placed on-line during plant start-up, excessive turbine vibrations developed due to a shaft "rub". The plant procedures required that a manual scram be performed prior to breaking condenser vacuum to slow the turbine down. The scram was initiated while at 14.5% power. No maintenance activities were required and subsequent turbine/generator start-up was successful. Breaker was closed at 10:36 on 4/23/04 and 100% power was achieved on 4/28/04.

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**

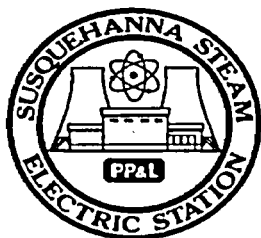
Docket Number: 50-387  
Completed by: J. J. Hennings

Date: 05/12/04  
Telephone: (570) 542-3747

**Challenges to Main Steam Safety Relief Valves**

None.

## OPERATING DATA REPORT



DOCKET NO.	50-388
UNIT	Two
DATE	05/12/04
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

### OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: April 2004
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	<u>719</u>	<u>2,903</u>	<u>168,432</u>
6. Number of Hours Reactor Was Critical	<u>719</u>	<u>2,903</u>	<u>146,798.8</u>
7. Hours Generator On-Line	<u>719</u>	<u>2,903</u>	<u>144,811.6</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>834,875</u>	<u>3,393,874</u>	<u>152,151,885</u>

### NOTES:

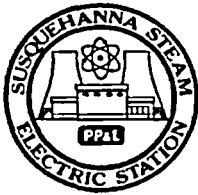
The 2004 Monthly Operating Report for January 2004 stated an incorrect value of 838,588 net electrical energy generated (MWH). The correct value was 875,168 MWH. A similar item was identified for January 2003 overstating the actual production by 7,640 MWH.

The April Yr-to-date and cumulative data for April, 2004 incorporates the correct values for January 2003 and 2004.

The electronic Consolidated Data Entry (CDE) adjustments have been completed for Jan, Feb and March of 2004.

No NRC Performance Indicators are impacted by this correction.

# UNIT SHUTDOWNS



DOCKET NO.	50-388
UNIT	Two
DATE	05/12/04
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH March 2004

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: On 4/28/04 Reactor power was rapidly reduced to 80% power due to the loss of a plant equipment electrical transformer. The power loss impacted condenser air removal capability, causing turbine back pressure to increase. Alternate equipment was put in service and condenser pressure was stabilized. 100% power was restored within 3 hours of the downpower.

1.

2.

3.

F. Forced  
S. Scheduled

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)

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: 05/12/2004  
Telephone: (570) 542-3747

**Challenges to Main Steam Safety Relief Valves**

None.