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May 10, 2005

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-05898

The April 2005 Monthly Operating Reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

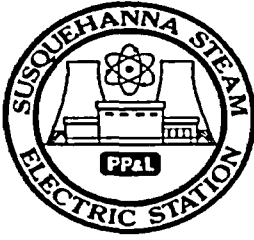
Robert A. Saccone

JJH/cmm

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

IES4

OPERATING DATA REPORT



DOCKET NO. 50-387
UNIT One
DATE 05/10/2005
COMPLETED BY J. J. Hennings
TELEPHONE (570) 542-3747

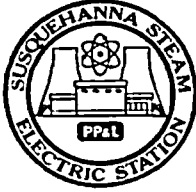
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: April 2005
3. Design Electrical Rating (Net MWe): 1177
4. Maximum Dependable Capacity (Net MWe): 1135

	<u>This Month</u>	<u>Yr.-to-Date</u>	<u>Cumulative</u>
5. Hours in Reporting Period	<u>719</u>	<u>2879.0</u>	<u>191,952.0</u>
6. Number of Hours Reactor Was Critical	<u>719</u>	<u>2879.0</u>	<u>160,867.0</u>
7. Hours Generator On-Line	<u>719</u>	<u>2879.0</u>	<u>158,479.0</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>828,884</u>	<u>3,335,084</u>	<u>163,975,526</u>

NOTES:

UNIT SHUTDOWNS



DOCKET NO. 50-387
 UNIT One
 DATE 05/10/2005
 COMPLETED BY J. J. Hennings
 TELEPHONE (570) 542-3747

REPORT MONTH April 2005

No.	Date	Type ₁	Duration (Hours)	Reason ₂	Method of Shutting Down Reactor ₃	Cause & Corrective Action To Prevent Recurrence
						No Reactor shutdowns this month

Summary: There were no power reductions greater than 20% this month.

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

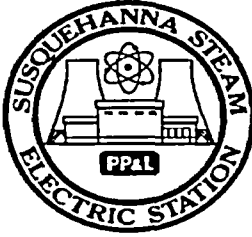
Docket Number: 50-387
Completed by: J. J. Hennings

Date: 05/10/05
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.

OPERATING DATA REPORT



DOCKET NO.	50-388
UNIT	Two
DATE	05/10/05
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

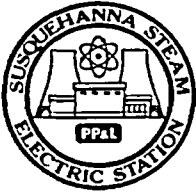
OPERATING STATUS

5. Unit Name: Susquehanna Steam Electric Station (U2)
6. Reporting Period: April 2005
7. Design Electrical Rating (Net MWe): 1182
8. Maximum Dependable Capacity (Net MWe): 1140

	This Month	Yr.-to-Date	Cumulative
5. Hours in Reporting Period	719	2879	177,192
6. Number of Hours Reactor Was Critical	626.66	2,198.6	154,878.4
7. Hours Generator On-Line	597.13	2,128.2	152,820.9
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	661,151	2,316,193	161,131,333

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	50-388
UNIT	Two
DATE	05/10/05
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH April 2005

No.	Date	Type ₁	Duration (Hours)	Reason ₂	Method of Shutting Down Reactor ₃	Cause & Corrective Action to Prevent Recurrence
2	4/10/05	F	67.01	A	2	Manual scram due to loss of a 125V DC battery charger. The unit was returned to service on 4/13/05.
3	4/28/05	F	54.86	A	2	Manual scram due to the loss of electrical supply to Main Transformer cooling. The unit was returned to service on 4/30/05.

Summary: Two manual shutdowns were required in April. The 4/10/05 shutdown was required because a 125V DC battery charger failed and could not be repaired in the short time required by Susquehanna's Technical Specifications. The electrical component impacting the charger was replaced and the unit was returned to service on 4/13/05.

The 4/28/05 shutdown was required to protect a main transformer from overheating due to the loss of the transformer cooling system electrical supply. An electrical short was repaired and the unit was returned to service on 4/30/05.

1.

F. Forced
S. Scheduled

2.

Reason:

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training & License 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: 05/10/05
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.