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May 15, 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 - 006065

The April 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.

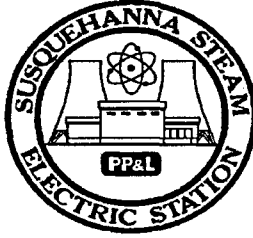
Robert A. Saccone

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	05/15/2006
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

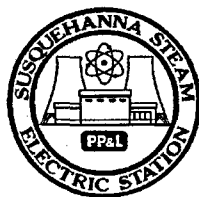
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: April 2006
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	719	2879	200,712.0
6. Number of Hours Reactor Was Critical	483.77	1978.9	168,356.4
7. Hours Generator On-Line	451.05	1939.1	165,896.2
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	473,410	2,163,313	172,246,370

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	50-387
UNIT	One
DATE	05/15/2006
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH April 2006

No.	Date	Type ₁	Duration (Hours)	Reason ₂	Method of Shutting Down Reactor ₃	Cause & Corrective Action To Prevent Recurrence
1	3/4/06	S	916.88 (total duration)	C	4	Reactor shutdown on March 4, 2006 for refueling outage 14. Reactor critical on 4/10/06 and reached 100% on 4/15/06.

Summary:

Following startup from the refueling outage 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

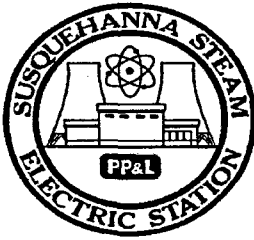
Docket Number: 50-387
Completed by: J. J. Hennings

Date: 05/15/2006
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>05/15/2006</u>
COMPLETED BY	<u>J. J. Hennings</u>
TELEPHONE	<u>(570) 542-3747</u>

OPERATING STATUS

5. Unit Name: Susquehanna Steam Electric Station (U2)
 6. Reporting Period: April 2006
 7. Design Electrical Rating (Net MWe): 1182
 8. Maximum Dependable Capacity (Net MWe): 1140

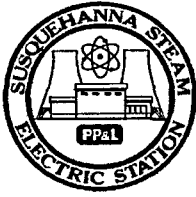
	This Month	Yr.-to-Date	Cumulative
5. Hours in Reporting Period	<u>719</u>	<u>2,879</u>	<u>185,952.0</u>
6. Number of Hours Reactor Was Critical	<u>677.32</u>	<u>2,837.3</u>	<u>163,509.0</u>
7. Hours Generator On-Line	<u>671</u>	<u>2,831.0</u>	<u>161,424.5</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Net Electrical Energy Generated (MWH)	<u>771,371</u>	<u>3,282,803</u>	<u>170,983,678</u>

NOTES:

Previous Month Correction:

The Cumulative value for "Number of Hours Reactor Was Critical", as stated in the March Monthly Operating Report was 168,872.6. The correct value of 167,872.6 Hrs was reported to the INPO Consolidated Data Entry (CDE) program. The values input to CDE did not need revision. This identification of the typographical error on Letter PLA-006052 is to ensure the hard copy record agrees the electronically transmitted data. 167,872.6 Hrs is the correct value for "Number of Hours Reactor Was Critical" as of the end of March 2006. The April report and subsequent reports will use this value when calculating future cumulative data for CDE and hard copy letters.

UNIT SHUTDOWNS



DOCKET NO.	50-388
UNIT	Two
DATE	05/15/2006
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH April 2006

No.	Date	Type ₁	Duration (Hours)	Reason ₂	Method of Shutting Down Reactor ₃	Cause & Corrective Action to Prevent Recurrence
1	4/29/06	S	48.0 (continuing)	B	5 (soft shutdown)	Reactor shutdown on 4/29/06 for a planned outage to correct drywell leakage.

Summary: Other than the Reactor Shutdown there were no power changes 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: 50-388
Completed by: J. J. Hennings

Date: 05/15/2006
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.