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May 10, 2002

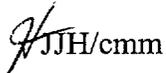
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
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Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
Docket Nos. 50-387/NPF-14 and 50-388/NPF-22
PLA-005479 R41-2A

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

Very truly yours,

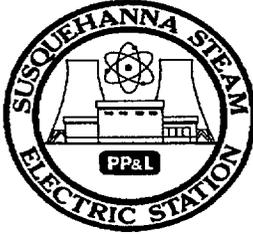

Bryce L. Shriver



cc: NRC Region 1
NRC Sr. Resident Inspector, Mr. S. Hansell
NRC Sr. Project Manager, Mr. R. G. Schaaf

IE24

OPERATING DATA REPORT



DOCKET NO.	50-387
UNIT	One
DATE	5-10-02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

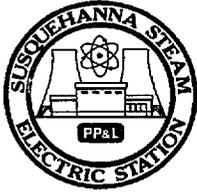
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U1)
2. Reporting Period: April 2002
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	719	2879	165,648
6. Number of Hours Reactor Was Critical	237.6	1,681.3	135,983.5
7. Hours Generator On-Line	172.7	1,612.8	133,772.8
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	146,008	1,553,404	136,780,313

NOTES:

UNIT SHUTDOWNS



DOCKET NO.	50-387
UNIT	One
DATE	5-10-02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

REPORT MONTH April 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
1	3-02-02	S	1217.9	C	2	Continuation of Unit I 12 th Refueling and Inspection Outage that started 3/02/02 and ended 4/21/02. Outage extended past 35 day schedule due to Main Generator stator bar replacements.
2	4-22-02	F	48.7	A	2	Manual scram from 18% power following 12 th Refuel and Inspection Outage due to reactor recirc pump trip. Pump tripped due to inadequate contact between a fuse and its fuse holder in the voltage regulation circuit. Fuse and fuse holder were replaced. Similar configurations were also inspected to ensure adequate fuse to fuse holder contact.

Summary: (1) Continuation of Refueling and Inspection Outage and Main Generator maintenance.

(2) During ramp-up from 12th Refuel and Inspection Outage, a reactor recirc pump tripped at 20% power. A manual Reactor scram was inserted at 18% power on April 22. Pump tripped due to inadequate contact between a fuse and fuse holder in the voltage regulation circuit. Fuse and fuse holder were replaced and start-up was initiated on April 23 and the generator was on-line April 24 at 0156.

On April 26 power ascension was delayed to repair Main Generator Hydrogen leak at approximately 75% power. 100% reactor power was achieved on April 27.

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

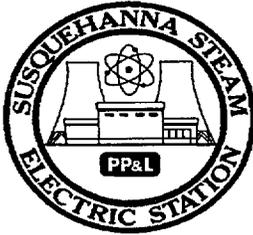
Docket Number: 50-387
Completed by: J. J. Hennings

Date: 5-10-02
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.

OPERATING DATA REPORT



DOCKET NO.	50-388
UNIT	Two
DATE	5-10-02
COMPLETED BY	J. J. Hennings
TELEPHONE	(570) 542-3747

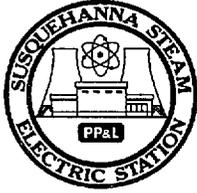
OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (U2)
2. Reporting Period: April 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	719	2,879	150,888
6. Number of Hours Reactor Was Critical	719	2,879	130,536.0
7. Hours Generator On-Line	719	2,879	128,645.7
8. Unit Reserve Shutdown Hours	0	0	0
9. Net Electrical Energy Generated (MWH)	802,564	3,188,007	133,992,837

NOTES:

UNIT SHUTDOWNS



DOCKET NO. 50-388
 UNIT Two
 DATE 5-10-02
 COMPLETED BY J. J. Hennings
 TELEPHONE (570) 542-3747

REPORT MONTH April 2002

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: Unit 2 remained at full power throughout April.

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: 5-10-02
Telephone: (570) 542-3747

Challenges to Main Steam Safety Relief Valves

None.