

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8804190110 DOC. DATE: 88/03/31 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
 AUTH. NAME AUTHOR AFFILIATION
 HIRT, J.A. Pennsylvania Power & Light Co.
 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Mar 1988.W/880414 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: LPDR 2 cys Transcripts. 05000387 S
 LPDR 2 cys Transcripts. 05000388 S

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTR	ENCL		ID CODE/NAME		LTR	ENCL
	PD1-2 LA		1	0		PD1-2 PD		5	5
	THADANI, M		1	0					
INTERNAL:	ACRS		10	10		AEOD/DOA		1	1
	AEOD/DSP/TPAB		1	1		ARM TECH ADV		2	2
	NRR/DLPQ/PEB 11		1	1		NRR/DOEA/EAB 11		1	1
	NRR/DREP/RPB 10		1	1		NRR/PMAS/ILRB12		1	1
	<u>REG FILE</u> 01		1	1		RGN1		1	1
EXTERNAL:	EG&G GROH, M		1	1		LPDR		2	2
	NRC PDR		1	1		NSIC		1	1

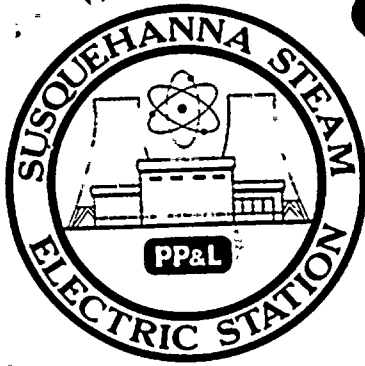
NOTES: 2 2

A

880427

TOTAL NUMBER OF COPIES REQUIRED: LTR 34 ENCL 32

R
I
D
S
/
A
D
D
S



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387

UNIT One

DATE 04/09/88

COMPLETED BY J.A. Hirt

TELEPHONE (717)542-3917

MONTH March, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1,055
2	1,053
3	1,053
4	532
5	0
6	0
7	0
8	0
9	0
10	50
11	716
12	955
13	1,052
14	1,055
15	1,055
16	898

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	2
18	0
19	0
20	0
21	0
22	0
23	0
24	443
25	818
26	986
27	1,054
28	1,055
29	1,051
30	1,049
31	1,052

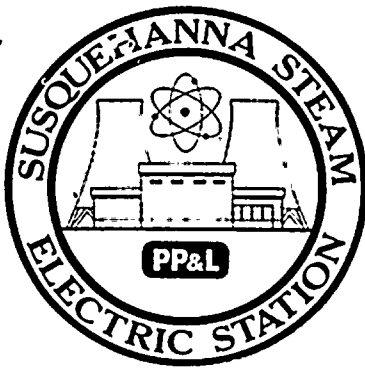
INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

8804190110 880331
 PDR ADOCK 05000387
 RDCD

IE 24
11



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 04/09/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

OPERATING STATUS Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1988
3. Licensed Thermal Power (MWt): 3,293
4. Nameplate Rating (Gross MWe): 1,152
5. Design Electrical Rating (Net MWe): 1,065
6. Maximum Dependable Capacity (Gross MWe): 1,068
7. Maximum Dependable Capacity (Net MWe): 1,032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

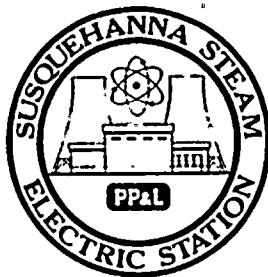
	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,184	42,217
12. Number Of Hours Reactor Was Critical	469.0	1,909	30,561.1
13. Reactor Reserve Shutdown Hours	0	0	812.7
14. Hours Generator On-Line	425.4	1,865.4	29,812.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,284,559	5,898,026	91,951,503
17. Gross Electrical Energy Generated (MWH)	422,628	1,949,392	29,959,991
18. Net Electrical Energy Generated (MWH)	407,597	1,879,159	28,720,387
19. Unit Service Factor	57.2	85.4	70.6
20. Unit Availability Factor	57.2	85.4	70.6
21. Unit Capacity Factor (Using MDC Net)	53.1	83.4	65.9
22. Unit Capacity Factor (Using DER Net)	51.4	80.8	63.9
23. Unit Forced Outage Rate	25.9	7.4	10.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
No outages scheduled for the next 6 months.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____





UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1988

DOCKET NO. 50-387
 UNIT NAME SSES-Unit One
 DATE 04/09/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
2	880304	F	149	G	3	88-006-00	JC	zzzzzz	On March 4 ~ 1988, an operator bumped against the span protection auxiliary relay in the 230 KV switchyard. This caused a generator load reject and a subsequent reactor scram. No emergency core cooling systems actuated and none were required. No operator actions were required to place the unit in a stable condition. The subject relay, which protruded about six inches out of the front of the relay panel, was replaced with a flushmounted relay. In addition protective barriers have been installed above and below the subject relay to protect against bumping. The unit returned to service on March 10, 1988, at 1705 hours.

¹
 F: Forced
 S: Scheduled

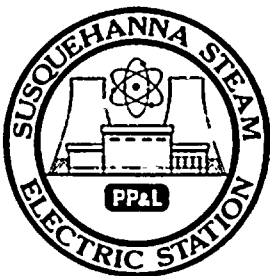
²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuation
 from previous month
 5-Reduction
 9-Other

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

(9/77)



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1988

DOCKET NO. 50-387
 UNIT NAME SSES-Unit One
 DATE 04/09/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
3	880317	S	169.7	B	1	N/A	AD	Seal	<p>On March 16, 1988, at approximately 1900 hours, operations personnel began reducing reactor power in preparation for a planned maintenance outage. Plant operators manually inserted the control rods and at 0025 hours, on March 17, 1988 they removed the turbine/generator from service. Approximately one hour later the reactor mode switch was placed in the 'start-up' position. The Shutdown was completed at 0425 hours on March 17, 1988.</p> <p>The major work item for the outage was the repair of a leaking reactor recirculation pump seal. The unit returned to service on March 24, 1988, at 0254 hours.</p>

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuation
 from previous month
 5-Reduction
 9-Other

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source



SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 04/09/88

Completed by J.A. Hirt Telephone (717) 542-3917

Challenges to Main Steam Safety Relief Valves

None

Changes to the Offsite Dose Calculation Manual

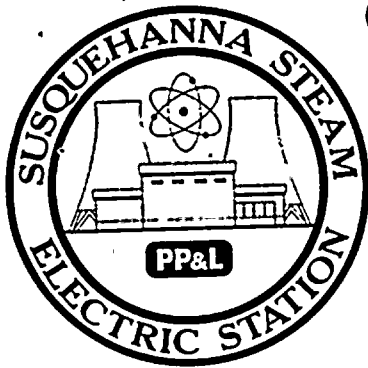
None

Major Changes to Radioactive Waste Treatment Systems

None

Q. How many times?

Two.



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-388

UNIT Two

DATE 04/09/88

COMPLETED BY J.A. Hirt

TELEPHONE (717)542-3917

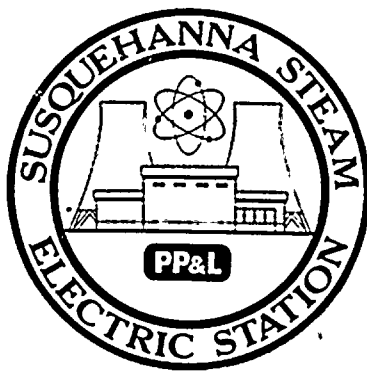
MONTH March, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>597</u>
2	<u>601</u>
3	<u>604</u>
4	<u>493</u>
5	<u>3</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.



OPERATING DATA REPORT

DOCKET NO. 50-388
 DATE 04/09/88
 COMPLETED BY J. A. Hirt
 TELEPHONE (717)542-3917

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: March, 1988
3. Licensed Thermal Power (MWt): 3,293
4. Nameplate Rating (Gross MWe): 1,152
5. Design Electrical Rating (Net MWe): 1,065
6. Maximum Dependable Capacity (Gross MWe): 1,068
7. Maximum Dependable Capacity (Net MWe): 1,032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report; Give Reasons:
None

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,184	27,456
12. Number Of Hours Reactor Was Critical	120.0	1,560	23,152
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	96.5	1,536.5	22,697.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	186,551	4,798,980	71,424,693
17. Gross Electrical Energy Generated (MWH)	57,640	1,572,662	23,379,424
18. Net Electrical Energy Generated (MWH)	55,176	1,517,894	22,515,569
19. Unit Service Factor	13.0	70.4	82.7
20. Unit Availability Factor	13.0	70.4	82.7
21. Unit Capacity Factor (Using MDC Net)	7.2	67.4	79.5
22. Unit Capacity Factor (Using DER Net)	7.0	65.3	77.0
23. Unit Forced Outage Rate	0	0	8.7

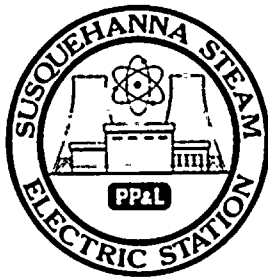
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 2 is currently shutdown for its Second Refuel Outage. Expected duration is 77 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: May 21, 1988

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



2



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1988

DOCKET NO. 50-388
 UNIT NAME SSES Unit Two
 DATE 04/09/88
 COMPLETED BY J.A. Hirt
 TELEPHONE (717)542-3917

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	880305	S	647.5	C	1	NA	zzzz	zzzzzz	On March 5, 1988, at 0200 hours, operations personnel placed the reactor mode switch in the "shutdown" position to commence the unit's second refueling outage. The outage is scheduled to last 77 days.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuation
 from previous month
 5-Reduction
 9-Other

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date 04/09/88

Completed by J.A. Hirt Telephone (717) 542-3917

Challenges to Main Steam Safety Relief Valves

None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



11
12
13
14
15

16
17
18
19
20

21
22
23
24
25

26
27
28
29
30



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/770-5151

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

Harold W. Keiser
Senior Vice President-Nuclear
215/770-4194

APR 14 1988

Mr. William G. McDonald
Director, Office of Administration
and Resources Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-3014 FILE R41-2A

Docket Nos. 50-387/NPF-14
50-388/NPF-22

Dear Mr. McDonald:

The March 1988 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

H. W. Keiser
Sr. Vice President-Nuclear

Attachment

cc: ~~Document Control Desk (Original)~~
NRC Region I
Mr. F. I. Young - NRC Resident Inspector
Mr. M. C. Thadani - NRC Project Manager



1941

1942

1943

1944

1945

1946

1947

1948