

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9401240197 DOC. DATE: ~~93/12/31~~ NOTARIZED: NO DOCKET #:
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH. NAME AUTHOR AFFILIATION
 BALL, B. Pennsylvania Power & Light Co.
 BYRAM, R. G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Dec 1993 for Susquehanna Steam Electric Station Units 1 & 2. W/940117 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 9
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD1-2 PD	1 1	CLARK, R	1 1
INTERNAL:	ACRS	10 10	AEOD/DOA	1 1
	AEOD/DSP/TPAB	1 1	NRR/DORS/OEAB	1 1
	NRR/DRIL/RPEB	1 1	<u>REG FILE</u> 01	1 1
	RGN1	1 1		
EXTERNAL:	EG&G BRYCE, J. H	1 1	NRC PDR	1 1
	NSIC	1 1		

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 21 ENCL 21

MR

R
I
D
S
/
A
D
D
S
/
A
D
D
S



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Robert G. Byram
Senior Vice President-Nuclear
610/774-7502

JAN 17 1994

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

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

SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS
PLA-4079 FILE R41-2A

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

The December 1993 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,



R. G. Byram

Attachment

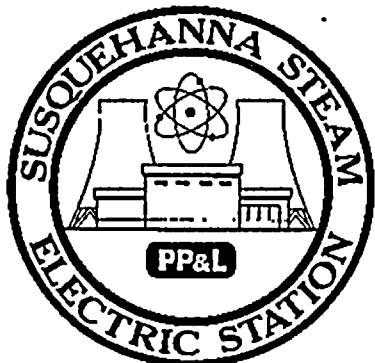
cc: NRC Region I
Mr. G. S. Barber, NRC Resident Inspector
Mr. R. J. Clark, NRC Sr. Project Manager

9401240197 931231
PDR ADOCK 05000387
R. PDR

JE24

5000S

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO. 50-387

UNIT: One

DATE: 01-10-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

MONTH December 1993

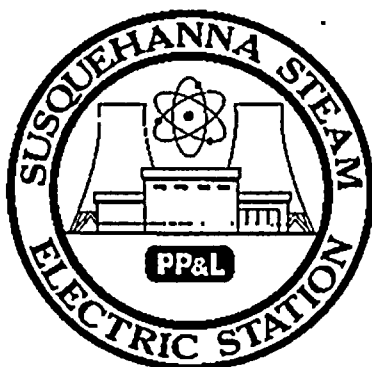
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

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.: 50-387
 DATE: 01-10-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: December 1993
3. Licensed Thermal Power(MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1078
7. Maximum Dependable Capacity (Net MWe): 1040
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:
None

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

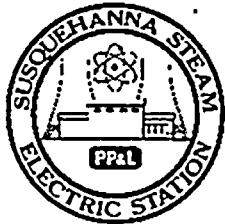
	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8,760</u>	<u>92,641</u>
12. Number of Hrs Reactor Was Critical	<u>0</u>	<u>5,275.4</u>	<u>70,948.5</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,032</u>
14. Hours Generator On-Line	<u>0</u>	<u>5,206.1</u>	<u>69,505.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated(MWH)	<u>0</u>	<u>16,688,853</u>	<u>218,486,518</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>5,428,454</u>	<u>71,374,334</u>
18. Net Electric Energy Generated (MWH)	<u>-11,896</u>	<u>5,196,719</u>	<u>68,562,508</u>
19. Unit Service Factor	<u>0</u>	<u>59.4</u>	<u>75.0</u>
20. Unit Availability Factor	<u>0</u>	<u>59.4</u>	<u>75.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>57.0</u>	<u>71.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>56.5</u>	<u>70.5</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>18.8</u>	<u>8.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each) <u>Refueling outage commenced on 9-25-93, duration 70 days.</u>			

25. If Shut Down At End of Report Period, Estimated Date of Startup: January 16, 1994
26. Units In Test Status (Prior to Commercial Operation):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

H-Other (Explain)

UNIT SHUTDOWNS AND POWER REDUCTIONS



REPORT MONTH December 1993

DOCKET NO. 50-387
 UNIT NAME One
 DATE 01-10-94
 COMPLETED BY B. Ball
 TELEPHONE (717)542-3453

NO.	DATE	TYPE ¹	DURATION ² (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT#	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
10	930925	S	744.0	C	4	NA	XX	ZZZ	Unit One was manually shutdown for its planned 7th Refuel Outage commencing 0045 hours September 25. Generator was taken off line at 0235 hours and Reactor manually scrammed at 0327 hours. Estimated return to service date is January 16, 1994. Extension of outage past budgeted completion date of 12/03/93 was due to replacement of the Jet Pump Beams, per GE recommendation.

F: Forced
 S: Scheduled

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)

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

Exhibit G-Instructions
 for preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG
 0161)
 s
 Exhibit I-Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: 01-10-94

Completed by B. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

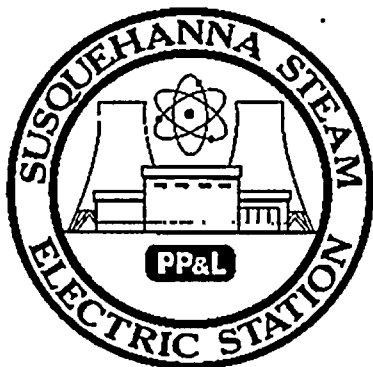
Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 01-10-94

COMPLETED BY: B. Ball

TELEPHONE: (717)542-3453

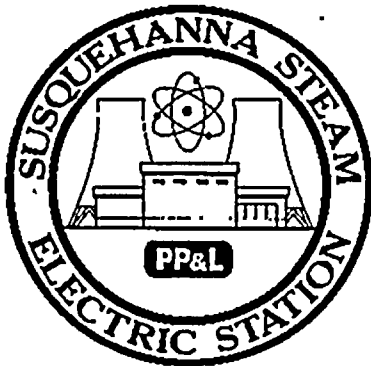
MONTH December 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1056	17	0
2	1053	18	0
3	1052	19	0
4	1050	20	0
5	1049	21	0
6	1056	22	0
7	1054	23	0
8	1055	24	0
9	1054	25	0
10	918	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	200
16	0		

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: 01-10-94
 COMPLETED BY: B. Ball
 TELEPHONE: (717)542-3453

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 2)
2. Reporting Period: December 1993
3. Licensed Thermal Power (Mwt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1082
7. Maximum Dependable Capacity (Net MWe): 1044
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: N/A

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

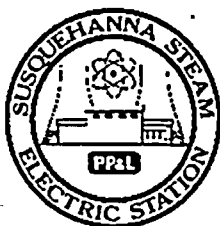
	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8,760</u>	<u>77,880</u>
12. Number of Hrs Reactor Was Critical	<u>383.6</u>	<u>8,275.5</u>	<u>65,513.1</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>717.9</u>
14. Hours Generator On-Line	<u>264.3</u>	<u>8,094.4</u>	<u>64,211.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>818,863</u>	<u>26,335,171</u>	<u>204,327,630</u>
17. Gross Electrical Energy Generated (MWH)	<u>264,030</u>	<u>8,644,033</u>	<u>67,009,767</u>
18. Net Electric Energy Generated (MWH)	<u>246,138</u>	<u>8,337,862</u>	<u>64,505,176</u>
19. Unit Service Factor	<u>35.5</u>	<u>92.4</u>	<u>82.5</u>
20. Unit Availability Factor	<u>35.5</u>	<u>92.4</u>	<u>82.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>31.7</u>	<u>91.2</u>	<u>79.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>31.5</u>	<u>90.7</u>	<u>78.9</u>
23. Unit Forced Outage Rate	<u>64.5</u>	<u>7.6</u>	<u>5.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)
Refueling outage scheduled to commence on 3/12/94 with an estimated duration of 70 days.

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation): _____

	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1993

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 01-10-94
 COMPLETED BY B. Ball
 TELEPHONE (717) 542-3453

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
9	931210	F	479.7	A	1	N/A	XX	ZZZ	Unit 2 was manually shutdown on 12/10/93 due to high drywell leakage. An inspection of the drywell revealed a cracked weld on the 'A' Rx Recirc Pump RBCCW outlet line. Other major work included installation of torque collars on the main turbine to support turbine torsional testing & installation of Rx Water level instrumentation. Reactor was taken critical at 0142 hours on 12/26/93. Main generator field breaker was closed at 2110 hours on 12/30/93 & reopened at 2130 hours on 12/30/93 to remove torsional testing equipment. Main generator field breaker was reclosed at 0121 hours on 12/31/93 & ramp back to full power commenced.

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: 01-10-94

Completed by B. Ball Telephone: (717) 542-3453

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

None.

Major Changes to Radioactive Waste Treatment Systems

None.