

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM
 REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8901250213 DOC. DATE: 88/12/31 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
 YOUNG, K.A. Pennsylvania Power & Light Co.
 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Dec 1988 for Susquehanna SES.
 Units 1 & 2. W/890116 ltr.

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

NOTES: LPDR 1 cy Transcripts. 05000387
 LPDR 1 cy Transcripts. 05000388

	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		NUDOCS-ABSTRACT		1	1
	<u>REG FILE</u> 01		1	1		RGN1		1	1
EXTERNAL:	EG&G SIMPSON, F		1	1		EG&G WILLIAMS, S		1	1
	LPDR		1	1		NRC PDR		1	1
	NSIC		1	1					

NOTES: 2 2

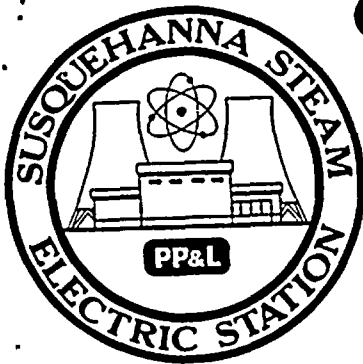
NOTE TO ALL "RIDS" RECIPIENTS:

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: LTR 34 ENCL 32

R
I
D
S
/
A
D
D
S

MEJ gh



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-387
 UNIT One
 DATE 01/08/89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

MONTH December, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1054	17	1052
2	1054	18	1052
3	1051	19	1052
4	1051	20	1050
5	1054	21	1050
6	1052	22	1054
7	1052	23	1053
8	1054	24	1051
9	1054	25	1051
10	1053	26	1041
11	1050	27	1045
12	1053	28	1052
13	1053	29	1054
14	1052	30	1054
15	1051	31	1053
16	1052		

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)

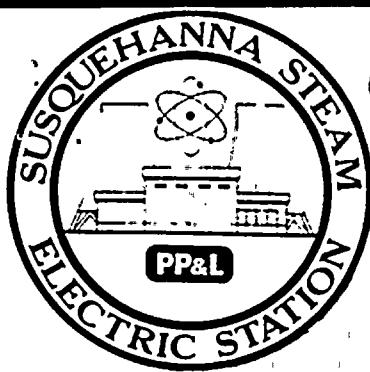
8901250213 881231
 PDR ADOCK 05000387
 R PDC

IE24
 4/11



Small, illegible handwritten marks or characters in the top right corner.

Small, illegible handwritten marks or characters in the bottom left corner.



OPERATING DATA REPORT

DOCKET NO. 50-387
 DATE 01/08/89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit One

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: December, 1988
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): 1068.5
7. Maximum Dependable Capacity (Net MWe): 1032
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made

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	8,784	48,817
12. Number Of Hours Reactor Was Critical	744	8,289.7	36,941.8
13. Reactor Reserve Shutdown Hours	0	219.3	1,032
14. Hours Generator On-Line	744	8,206.3	36,153.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,449,290	26,550,034	112,603,511
17. Gross Electrical Energy Generated (MWH)	810,242	8,713,261	36,723,860
18. Net Electrical Energy Generated (MWH)	782,480	8,404,253	35,245,481
19. Unit Service Factor	100	93.4	74.1
20. Unit Availability Factor	100	93.4	74.1
21. Unit Capacity Factor (Using MDC Net)	101.9	92.7	70.0
22. Unit Capacity Factor (Using DER Net)	100.2	91.1	68.8
23. Unit Forced Outage Rate	0	5.43	9.69

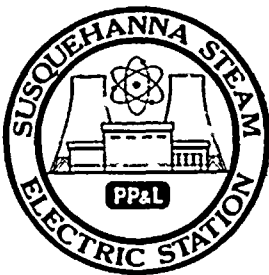
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit one is scheduled for a refueling outage on April 1, 1989. Duration of this outage plan is eleven weeks.

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	_____	_____



1. The first part of the document is a list of names and addresses. The names are: J. H. Smith, J. H. Jones, J. H. Brown, J. H. White, J. H. Black, J. H. Green, J. H. Gray, J. H. Blue, J. H. Red, J. H. Purple, J. H. Yellow, J. H. Orange, J. H. Pink, J. H. Silver, J. H. Gold, J. H. Bronze, J. H. Copper, J. H. Iron, J. H. Steel, J. H. Aluminum, J. H. Lead, J. H. Zinc, J. H. Tin, J. H. Nickel, J. H. Cobalt, J. H. Nickel, J. H. Cadmium, J. H. Mercury, J. H. Selenium, J. H. Tellurium, J. H. Polonium, J. H. Astatine, J. H. Francium, J. H. Radium, J. H. Actinium, J. H. Thorium, J. H. Protactinium, J. H. Uranium, J. H. Neptunium, J. H. Plutonium, J. H. Americium, J. H. Curium, J. H. Berkelium, J. H. Californium, J. H. Einsteinium, J. H. Fermium, J. H. Mendelevium, J. H. Nobelium, J. H. Lawrencium, J. H. Rutherfordium, J. H. Dubnium, J. H. Seaborgium, J. H. Bohrium, J. H. Hassium, J. H. Meitnerium, J. H. Darmstadtium, J. H. Roentgenium, J. H. Copernicium, J. H. Nihonium, J. H. Flerovium, J. H. Tennessine, J. H. Oganesson.



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1988

DOCKET NO. 50-387
 UNIT NAME One
 DATE 01/08/89
 COMPLETED BY K. A. Young
 TELEPHONE (717) 542-3251

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
									No reports required for December 1988

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

(9/77)

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date 01/08/88

Completed by K.A. Young Telephone (717) 542-3251

Challenges to Main Steam Safety Relief Valves

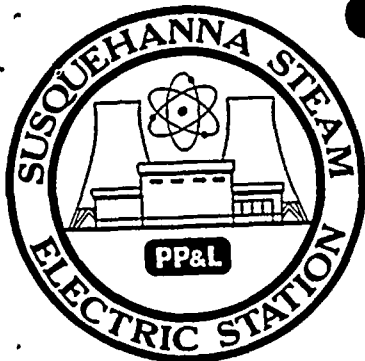
None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None



AVERAGE DAILY UNIT POWER LEVEL

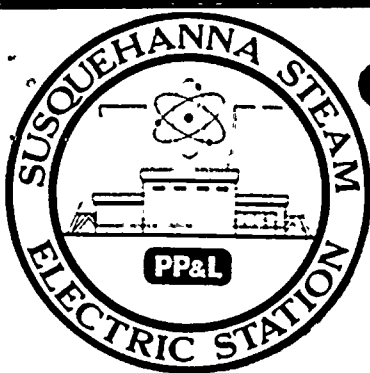
DOCKET NO. 50-388
 UNIT Two
 DATE 01/08/89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

MONTH December, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1056	17	1060
2	1055	18	1058
3	1053	19	1058
4	1056	20	1056
5	1058	21	1056
6	1054	22	1059
7	1056	23	1056
8	1059	24	1055
9	1060	25	1055
10	1059	26	1058
11	1059	27	1057
12	1025	28	1055
13	750	29	1058
14	1039	30	1057
15	1056	31	1055
16	1060		

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 01/08/89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

OPERATING STATUS

Unit Two

1. Unit Name: Susquehanna Steam Electric Station
2. Reporting Period: December, 1988
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): 1074.3
7. Maximum Dependable Capacity (Net MWe): 1037.8
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
No changes were made

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	8,784	34,056
12. Number Of Hours Reactor Was Critical	744	6,156.9	27,748.9
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	744	5,987.2	27,148.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,426,804	18,749,890	85,375,603
17. Gross Electrical Energy Generated (MWH)	805,879	6,140,067	27,946,829
18. Net Electrical Energy Generated (MWH)	777,748	5,892,386	26,890,061
19. Unit Service Factor	100	68.2	79.7
20. Unit Availability Factor	100	68.2	79.7
21. Unit Capacity Factor (Using MDC Net)	100.7	64.6	76.1
22. Unit Capacity Factor (Using DER Net)	99.6	63.9	75.2
23. Unit Forced Outage Rate	0	1.79	7.68

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit Two is not currently scheduled to shutdown within the next six 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	_____	_____



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

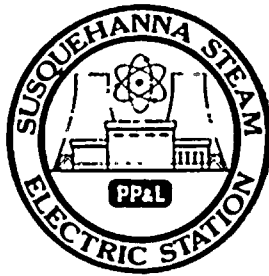
96

97

98

99

100



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1988

DOCKET NO. 50-388
 UNIT NAME Two
 DATE 01/08/89
 COMPLETED BY K.A. Young
 TELEPHONE (717) 542-3251

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
13	12/12/88	F	0	A	5	N/A	SI	Cond.	Unit Reactor Power Level was reduced 60% commencing at 1940 hours on December 12, 1988. Rising Unit 2 reactor water conductivity was cause for power reduction to investigate condenser tube leaks. Tubes leaks were repaired in the "B" waterboxes. Prior to return to power a rod sequence exchange planned for the next weekend, was completed. Unit reached full power level at 0800 hours December 14.

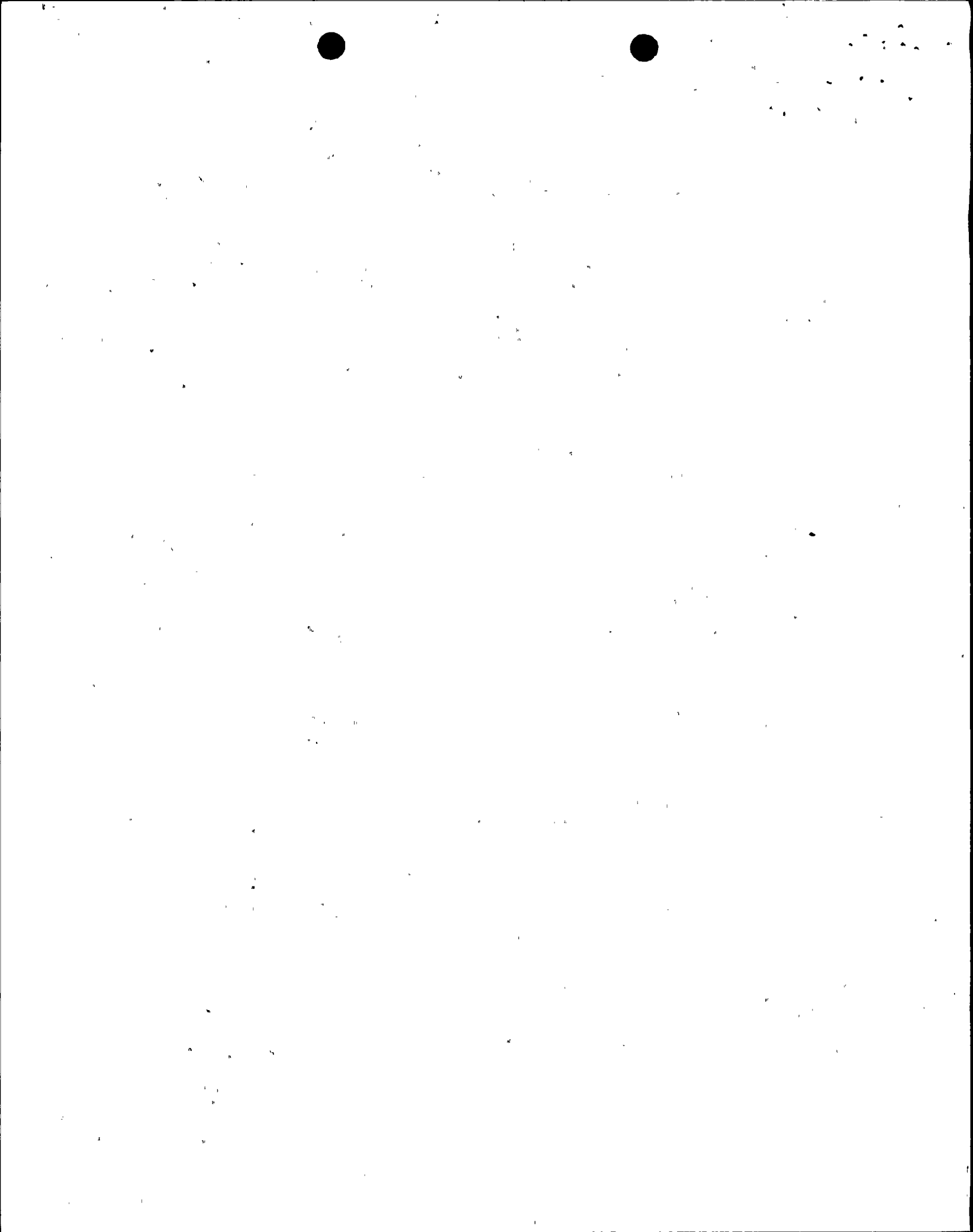
¹
 F: Forced
 S: Scheduled

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 50-388 Date 01/08/88

Completed by K.A. Young Telephone (717)542-3251

Challenges to Main Steam Safety Relief Valves

None

Changes to the Offsite Dose Calculation Manual

None

Major Changes to Radioactive Waste Treatment Systems

None

Handwritten marks and numbers in the top right corner, possibly a reference or date.



Faint, illegible text scattered across the upper middle section of the page, possibly bleed-through from the reverse side.



Pennsylvania Power & Light Company

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

Submitted pursuant to
Technical Specifications
Section 6.9.1.6

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

JAN 16 1989

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-3137 FILE R41-2A

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

Dear Mr. McDonald:

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

Very truly yours,

H. W. Keiser

Attachment

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

IE24
1/1



100

100

100

100

100

100

100

100

100

100