

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of :
PENNSYLVANIA POWER & : Docket Nos. 50-387 and 50-388
LIGHT COMPANY :

AMENDMENT NO. 47

APPLICATION FOR CLASS 103


OPERATING LICENSES FOR THE SUSQUEHANNA
STEAM ELECTRIC STATION

UNITS NO. 1 AND NO. 2

Applicant, Pennsylvania Power & Light Company, hereby files Amendment No. 47 to its Operating License Application dated July 31, 1978.

This amendment contains Revision 30 to the Susquehanna SES Final Safety Analysis Report.


PENNSYLVANIA POWER & LIGHT COMPANY
BY:



N. W. Curtis

V. P. Engineering and Construction-Nuclear

Sworn to and subscribed before me
this 28th of May, 1982.


Notary Public
MARTHA C. BARTO, Notary Public
Allentown, Lehigh County, Pa.
My Commission Expires Jan. 13, 1986

8206070287 820604
PDR ADOCK 05000387
K PDR



FSAR Revisions

The attached Revision 30 pages, tables, and figures revise the Susquehanna Steam Electric Station Final Safety Analysis Report.

Remove

Insert

VOLUME 1

Figure 1.2-4 ✓

Figure 1.2-4

Figure 1.2-20 ✓

Figure 1.2-20

Table 1.7-1 ✓
pgs. 1-47

Table 1.7-1
pgs. 1-54

Table 1.8-4
pg. 3 of 4

Table 1.8-4
pg. 3 of 4

Figure 1.8-2b

Figure 1.8-2b

VOLUME 2

2-iii thru ✓
2-vi

2iii thru
2-vi

2.4-1 thru ✓
2.4-92

2.4-1 thru
2.4-91

Table 2.4-7

Table 2.4-7

Table 2.4-13

Table 2.4-13

Table 2.4-15

Table 2.4-15

Table 2.4-16

Table 2.4-16

VOLUME 4

3-i thru
3-xiv

3-i thru
3-xiv

3-xxv thru
3-xxx

3-xxv thru
3-xxx

Remove

Insert

3.1-1 thru *u*
3.1-665 *u*

3.1-1 thru
3.1-66

3.2-1 thru *u*
3.2-7 *u*

3.2-1 thru
3.2-7

Table 3.2-1 *u*
pgs. 1-38 *u*

Table 3.2-1
pgs. 1-39

Table 3.2-3
pgs. 1&2

Table 3.2-3
pgs. 1&2

3.7b-1 thru
3.7b-20

3.7b-1 thru
3.7b-28

Table 3.7b-3

Table 3.7b-3

Figure 3.7b-100

Figure 3.7b-100

Figure 3.7b-101

Figure 3.7b-101

VOLUME 6

3.10c-1 thru
3.10c-6

3.10c-thru
3.10c-6

Table 3.10c-1

Table 3.10c-1

Table 3.10c-2

Table 3.10c-2

Table 3.10c-3

Table 3.10c-3

Table 3.10c-4

Table 3.10c-4

Table 3.10c-5

Table 3.10c-5

Table 3.10c-6
pgs. 1&2

Table 3.10c-6
pgs. 1&2

Remove

Insert

Table 3.10c-8

Table 3.10c-8

Table 3.10c-9

Table 3.10c-9

Table 3.10c-11

Table 3.10c-11

Table 3.10c-12

Table 3.10c-12

Table 3.10c-13

Table 3.10c-13

Table 3.10c-14

Table 3.10c-14

Table 3.10c-15

Table 3.10c-15

Table 3.10c-16

Table 3.10c-16

Table 3.10c-17
pgs. 1-3

Table 3.10c-17
pgs. 1-3

Table 3.11-6
pgs. 2,3,5&8

Table 3.11-6
pgs. 2,3,5&8

VOLUME 7

3.12-1 thru
3.12-11

3.12-1 thru
3.12-12

4-vii
thru 4-x

4-vii
thru 4-x

4.6-1 thru
4.6-39

4.6-1 thru
4.6-39

Figure 4.6-5a

Figure 4.6-5a

Figure 4.6-5b

Figure 4.6-5b

Remove

Insert

5-vii
thru 5-x

5-vii
thru 5-x

Figure 5.1-3a

Figure 5.1-3a

Figure 5.1-3b

Figure 5.1-3b

5.2-29
5.2-30

5.2-29
5.2-30

5.2-51
5.2-52

5.2-51
5.2-52

5.4-1 thru
5.2-52

5.4-1 thru
5.2-52

Table 5.4-3

Table 5.4-3

Figure 5.4-2b

Figure 5.4-2b

Figure 5.4-9a

Figure 5.4-9a

Figure 5.4-9b

Figure 5.4-9b

Figure 5.4-13a

Figure 5.4-13a

Figure 5.4-13b

Figure 5.4-13b

Figure 5.4-16

Figure 5.4-16

Figure 5.4-18

Figure 5.4-18

VOLUME 8

6-i thru
6-x

6-i thru
6-x

Remove

Insert

6.2-1 thru
6.2-75

6.2-1 thru
6.2-92

Table 6.2-2
pg. 4

Table 6.2-2
pg.4

Table 6.2-12
pgs. 1-15

Table 6.2-12
pgs. 1-11

Table 6.2-15a
pgs. 1&2

Table 6.2-15a
pgs. 1&2

Table 6.2-19
pg. 1

Table 6.2-19
pg. 1

Table 6.2-21

Table 6.2-21

Table 6.2-22
pgs. 1-16

Table 6.2-22
pgs. 1-16

Figure 6.2-55a

Figure 6.2-55a

Figure 6.2-55b

Figure 6.2-55b

Figure 6.2-55c

Figure 6.2-55c

Figure 6.2-56

Figure 6.2-56

Figure 6.3-1b

Figure 6.3-1b

Figure 6.3-4

Figure 6.3-4

6.4-1
6.4-2

6.4-1
6.4-2

6.4-3
6.4-4

6.4-3
6.4-4

6.5-7
6.5-8

6.5-7
6.5-8

Remove

Insert

6.5-11
6.5-12

6.5-11
6.5-12

Table 6.5-2
pgs. 1-4

Table 6.5-2
pgs. 1-5

6.6-1
6.6-2

6.6-1
6.6-2

VOLUME 9

6.7-1 thru
6.7-10

6.7-1 thru
6.7-11

Table 6.7-1
pgs. 1-4

Table 6.7-1
pgs. 1-4

7-i thru
7-lviii

7-i thru
7-lviii

7.1-1 thru
7.1-35

7.1-1 thru
7.1-47

Table 7.1-1
pgs. 1-3

Table 7.1-1
pgs. 1&2

Table 7.1-2
pgs. 1-4

Table 7.1-2
pgs. 1-3

Table 7.1-3
pgs. 1-24

Table 7.1-3
pgs. 1-24

Figure 7.1-1
Sheet 4

Figure 7.1-1
Sheet 4

7.2-1 thru
7.2-76

7.2-1 thru
7.2-74

Table 7.2-1

Table 7.2-1

Table 7.2-2

Table 7.2-2

Table 7.2-3

Table 7.2-3

Remove

Insert

Table 7.2-4

7.3-1 thru
7.3-210

7.3-1 thru
7.3-209

Table 7.3-1
pgs. 1&2

Table 7.3-1
pgs. 1&2

Table 7.3-2

Table 7.3-2

Table 7.3-3

Table 7.3-3

Table 7.3-4

Table 7.3-4

Table 7.3-5
pgs. 1&2

Table 7.3-5
pgs. 1&2

Figure 7.3-1

Figure 7.3-1

Figure 7.3-2

Figure 7.3-2

Figure 7.3-3

Figure 7.3-3

Figure 7.3-5
Sheet 1

Figure 7.3-5
Sheet 1

Figure 7.3-5
Sheet 2

Figure 7.3-5
Sheet 2

VOLUME 10

7.4-1 thru
7.4-48

7.4-1 thru
7.4-46

Table 7.4-1

Table 7.4-1

Table 7.4-2

Table 7.4-2

Remove

Insert

Table 7.4-3
pgs. 1-8

Table 7.4-3
pgs. 1-9

Figure 7.4-3

Figure 7.4-3

7.5-1 thru
7.5-21

7.5-1 thru
7.5-23

Table 7.5-1

Table 7.5-1

7.6-1 thru
7.6-91

7.6-1 thru
7.6-74

Table 7.6-2

Table 7.6-2

Table 7.6-3

Table 7.6-3

Table 7.6-4

Table 7.6-4

Table 7.6-5

Table 7.6-5

Table 7.6-7

Table 7.6-7

Table 7.6-8

Table 7.6-8

Table 7.6-15

Table 7.6-16

Table 7.6-17

Figure 7.6-3

Figure 7.6-3

Remove

Insert

Figure 7.6-12
--

Figure 7.6-12
--

7.7-1 thru
7.7-79

7.7-1 thru
7.7-99

Table 7.7-1
--

Table 7.7-1
--

Table 7.7-2
pgs. 1&2

Table 7.7-2
pgs. 1&2

--
--

Table 7.7-4
--

Figure 7.7-5
--

Figure 7.7-5
--

Figure 7.7-7
Sheet 6

Figure 7.7-7
Sheet 6

Table 8.1-2
pg. 6

Table 8.1-2
pg. 6

VOLUME 11

Table 8.3-7
--

Table 8.3-7
--

9-iii thru
9-xiv

9-iii thru
9-xiv

Figure 9.1-5
--

Figure 9.1-5
--

9.2-1 thru
9.2-71

9.2-1 thru
9.2-84

Table 9.2-1
--

Table 9.2-1
--

Table 9.2-2
--

Table 9.2-2
--

Table 9.2-3
--

Table 9.2-3
--

Remove

Insert

Table 9.2-4
pgs. 1-3

Table 9.2-4
pgs. 1-3

Table 9.2-5
pgs. 1-3

Table 9.2-5
pgs. 1-3

Table 9.2-20

Table 9.2-20

Table 9.2-21

Table 9.2-21

Table 9.2-21a

Table 9.2-26

Table 9.2-22

Table 9.2-22

Table 9.2-25

Table 9.2-25

Table 9.2-27

Table 9.2-27

Table 9.2-29

Table 9.2-29

Table 9.2-30

Table 9.2-30

Figure 9.2-1a

Figure 9.2-1a

Figure 9.2-1b

Figure 9.2-1b

Figure 9.2-2

Figure 9.2-2

Figure 9.2-3

Figure 9.2-3

Figure 9.2-5a

Figure 9.2-5a

Figure 9.2-5b

Figure 9.2-5b

Remove

Insert

Figure 9.2-6

Figure 9.2-6

Figure 9.2-7a

Figure 9.2-7a

Figure 9.2-7b

Figure 9.2-7b

Figure 9.2-8

Figure 9.2-8

Figure 9.2-9

Figure 9.2-9

Figure 9.2-11

Figure 9.2-11

Figure 9.2-12

Figure 9.2-12

Figure 9.2-13a

Figure 9.2-13a

Figure 9.2-13b

Figure 9.2-13b

Figure 9.2-14

Figure 9.2-24

9.3-1 thru
9.3-33

9.3-1 thru
9.3-33

Table 9.3-2
pgs. 1-4

Table 9.3-2
pgs. 1-4

Table 9.3-4

Table 9.3-4

Table 9.3-5

Table 9.3-5

Table 9.3-7

Table 9.3-7

Remove

Insert

Figure 9.3-1

Figure 9.3-1

Figure 9.3-2

Figure 9.3-2

Figure 9.3-3a

Figure 9.3-3a

Figure 9.3-3b

Figure 9.3-3b

Figure 9.3-4

Figure 9.3-4

Figure 9.3-5

Figure 9.3-5

Figure 9.3-6

Figure 9.3-6

Figure 9.3-7

Figure 9.3-7

Figure 9.3-8

Figure 9.3-8

Figure 9.3-9

Figure 9.3-9

--

Figure 9.3-96

Figure 9.3-11

Figure 9.3-11

Figure 9.3-12

Figure 9.3-12

VOLUME 12

9.4-1 thru
9.4-51

9.4-1 thru
9.4-51

Table 9.4-1
pgs. 1-8

Table 9.4-1
pgs. 1-8

Remove

Insert

Table 9.4-2
pgs. 1-4

Table 9.4-2
pgs. 1-4

Table 9.4-6
pgs. 1&2

Table 9.4-6
pgs. 1&2

Table 9.4-7
pgs. 1&2

Table 9.4-7
pgs. 1&2

Table 9.4-8

Table 9.4-8

Table 9.4-11

Table 9.4-11

Table 9.4-13

Table 9.4-13

Table 9.4-15

Table 9.4-15

Table 9.4-18
pgs. 1&2

Table 9.4-18
pgs. 1&2

Table 9.4-19
pgs. 1-3

Table 9.4-19
pgs. 1-3

Figure 9.4-1

Figure 9.4-1

Figure 9.4-4

Figure 9.4-4

Figure 9.4-5

Figure 9.4-5

Figure 9.4-10

Figure 9.4-10

Figure 9.4-11

Figure 9.4-11

Figure 9.4-13

Figure 9.4-13

Figure 9.5-19

Figure 9.5-19

Remove

Insert

Figure 9.5-20

Figure 9.5-20

10i thru
10iv

10i thru
10iv

10.4-1 thru
10.4-35

10.4-1 thru
10.4-37

Table 10.4-2

Table 10.4-2

Figure 10.4-2

Figure 10.4-2

Figure 10.4-3

Figure 10.4-3

Figure 10.4-4

Figure 10.4-4

Figure 10.4-5

Figure 10.4-5

Figure 10.4-9

Figure 10.4-9

11-i thru
11-iv

11-i thru
11-iv

11.2-1 thru
11.2-15

11.2-1 thru
11.2-16

Table 11.2-1
pgs. 1&2

Table 11.2-1
pgs. 1&2

Table 11.2-2

Table 11.2-2

Table 11.2-3
pgs. 1-3

Table 11.2-3
pgs. 1-4

Table 11.2-4
pgs. 1&2

Table 11.2-4
pgs. 1&2

Remove

Insert

Table 11.2-5
pgs. 1-4

Table 11.2-5
pgs. 1-4

Table 11.2-6
pg. 1

Table 11.2-6
pg. 1

Table 11.2-7
pgs. 1&2

Table 11.2-7
pgs. 1&2

Table 11.2-8
pgs. 1-3

Table 11.2-8
pgs. 1-3

Table 11.2-13
pg. 2

Table 11.2-13
pg. 2

Table 11.2-16
pgs. 1&3

Table 11.2-16
pgs. 1&3

Figure 11.2-10

Figure 11.2-10

Figure 11.2-12

Figure 11.2-12

VOLUME 13

11.3-1 thru
11.3-17

11.3-1 thru
11.3-17

Table 11.3-1
pgs. 1&2

Table 11.3-1
pgs. 1&2

Table 11.3-2

Table 11.3-2

Table 11.3-4

Table 11.3-4

Table 11.3-5
pgs. 1&2

Table 11.3-5
pgs. 1&2

Table 11.3-6
pg. 3

Table 11.3-6
pg. 3

Table 11.3-8

Table 11.3-8

Remove

Insert

Table 11.3-9
pgs. 1&2

Table 11.3-9
pgs. 1&2

Figure 11.3-3a
--

Figure 11.3-3a
--

Figure 11.3-3b
--

Figure 11.3-3b
--

Figure 11.3-4
--

Figure 11.3-4
--

11.4-1 thru
11.4-11

11.4-1 thru
11.4-11

Table 11.4-1
pgs. 1&2

Table 11.4-1
pgs. 1&2

Table 11.4-3
pgs. 1&2

Table 11.4-3
pgs. 1&2

Table 11.4-4
pgs. 1-3

Table 11.4-4
pgs. 1-3

Table 11.4-8
--

Table 11.4-8
--

Figure 11.4-1
--

Figure 11.4-1
--

Figure 11.4-2
--

Figure 11.4-2
--

Figure 11.4-3
--

Figure 11.4-3
--

11.5-1 thru
11.5-17

11.5-1 thru
11.5-16

Table 11.5-1
pgs. 1&2

Table 11.5-1
pgs. 1&2

Table 11.5-2
pgs. 1-3

Table 11.5-2
pgs. 1-3

12.1-9
12.1-10

12.1-9
12.1-10

Remove

Insert

12.3-1 thru
12.3-26

12.3-1 thru
12.3-28

Table 12.3-2

Table 12.3-2

Table 12.3-4

Table 12.3-4

Table 12.3-6

Table 12.3-6

Table 12.3-7
pgs. 1-7

Table 12.3-7
pgs. 1-7

Figure 12.3-29

Figure 12.3-29

13-1 thru
13-iv

13-1 thru
13-iv

Table 13.1-1
pgs. 1-18

Table 13.1-1
pgs. 1-20

Table 13.1-2

Table 13.1-2

Table 13.1-3
pgs. 1-38

Table 13.1-3
pgs. 1-38

VOLUME 14

13.2-1 thru
13.2-26

13.2-1 thru
13.2-27

14-1
14-ii

14-1
14-ii

14.2-1 thru
14.2-122

14.2-1 thru
14.2-120

Table 14.2-1
pgs. 1-3

Table 14.2-1
pgs. 1-3

Figure 14.2-1

Figure 14.2-1

Remove

Insert

15.0-5
15.0-6

15.0-5
15.0-6

VOLUME 15

18-1 thru
18-ix

18-1 thru
18-ix

18.1-5
18.1-6

18.1-5
18.1-6

18.1-7
18.1-8

18.1-7
18.1-8

18.1-13
18.1-14

18.1-13
18.1-14

18.1-47
18.1-48

18.1-47
18.1-48

18.1-73
18.1-74

18.1-73
18.1-74

18.1-79
18.1-80

18.1-79
18.1-80

18.1-89
18.1-90

18.1-89
18.1-90

18.1-91
18.1-92

18.1-91
18.1-92

18.1-101 thru
18.1-125

18.1-101 thru
18.1-127

Table 18.1-10
pg. 5

Table 18.1-10
pg. 5

Figure 18.1-11

Figure 18.1-11

Figure 18.1-12

Figure 18.1-12

Figure 18.1-13

Figure 18.1-13

Remove

Insert

18.2-5 thru
18.2-18

18.2-5 thru
18.2-18

Table 18.2-1

Table 18.2-1

VOLUME 16

32.27-1

32.27-1

32.28-1

32.28-1

32.44-1

32.44-1

32.84-1

32.84-1

112.10-1
112.10-2

112.10-1
112.10-2

VOLUME 17

211.8-1
211.8-2

211.8-1
211.8-2

211.68-1

211.68-1

211.110-1

211.110-1

211.118-1

211.118-1

211.119-1

211.119-1

211.120-1

211.120-1

Table 211.125

Table 211.125

Remove

Insert

211.139-1	211.139-1
211.139-2	211.139-2
211.140-1	211.140-1
---	---
211.175-1	211.175-1
---	---
211.192-1	211.102-1
---	---
211.228-1	211.228-1
211.228-2	211.228-2
211.272-1	211.272-1
---	---
313.2-1	313.2-1
313.2-2	313.2-2
321.7-1	321.7-1
---	---
331.11-1	331.11-1
---	---
331.14-1	331.14-1
---	---
331.15-1	331.15-1
---	---
331.16-1	331.16-1
---	---
371.6-1	371.6-1
371.6-2	371.6-2
422.3-1	422.3-1
---	---