

September 13, 1983
(7403)

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Eisenhut:

RE: Amendment 4 to Application to Operating License
Nine Mile Point Unit 2
Docket No. 50-410

In accordance with 10CFR50.30(c) (1), 10CFR51.24 and your March 29, 1983 letter, enclosed are three originals and 60 copies of Amendment 4 to the Final Safety Analysis Report and 41 copies of Supplement 3 to the Environmental Report. These changes incorporate certain responses into the text of the Final Safety Analysis Report or Environmental Report, as appropriate. Also included are changes which have resulted from our continuing review of these documents.

Very truly yours,

C. V. Mangan

C. V. Mangan
Vice President

Nuclear Engineering & Licensing

CVM/JM:lf

Enclosure

8309190209 830913
PDR ADOCK 05000410
A PDR

Two Rids
13001
3/60 Amdt 4
FSAR w/Appendix 9B

Cool
3/41 Suppl 3
TO: ER

OFFICE OF
THE ATTORNEY GENERAL

STATE OF NEW YORK

IN SENATE

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
Niagara Mohawk Power Corporation)
)
(Nine Mile Point Unit 2))

Docket No. 50-410

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Vice President of Niagara Mohawk Power Corporation that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C. V. Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 13th day of September, 1983.

Janis M. Macro
Notary Public in and for
Onondaga County, New York

My Commission expires:

March 30, 1985

JANIS M. MACRO
Notary Public in the State of New York
Qualified in Onondaga County No. 4784555
My Commission Expires March 30, 1985

60

AMENDMENT 4

INSERTION INSTRUCTIONS

The following instructions are for the insertion of Amendment 4 into the Unit 2 FSAR. Remove pages, tables, and/or figures listed in the REMOVE column and replace them with the pages, tables, and/or figures listed in the INSERT column. Dashes (---) in either column indicate no action required.

Vertical bars have been placed in the margins of inserted pages and tables to indicate revision locations.



Nine Mile Point Unit 2 FSAR

Volume 1

Remove

Insert

1-ix/1-x ✓

1-ix/1-x

Figure 1.2-37 (Sheet 1 of 2) ✓
Figure 1.2-37 (Sheet 2 of 2) ✓

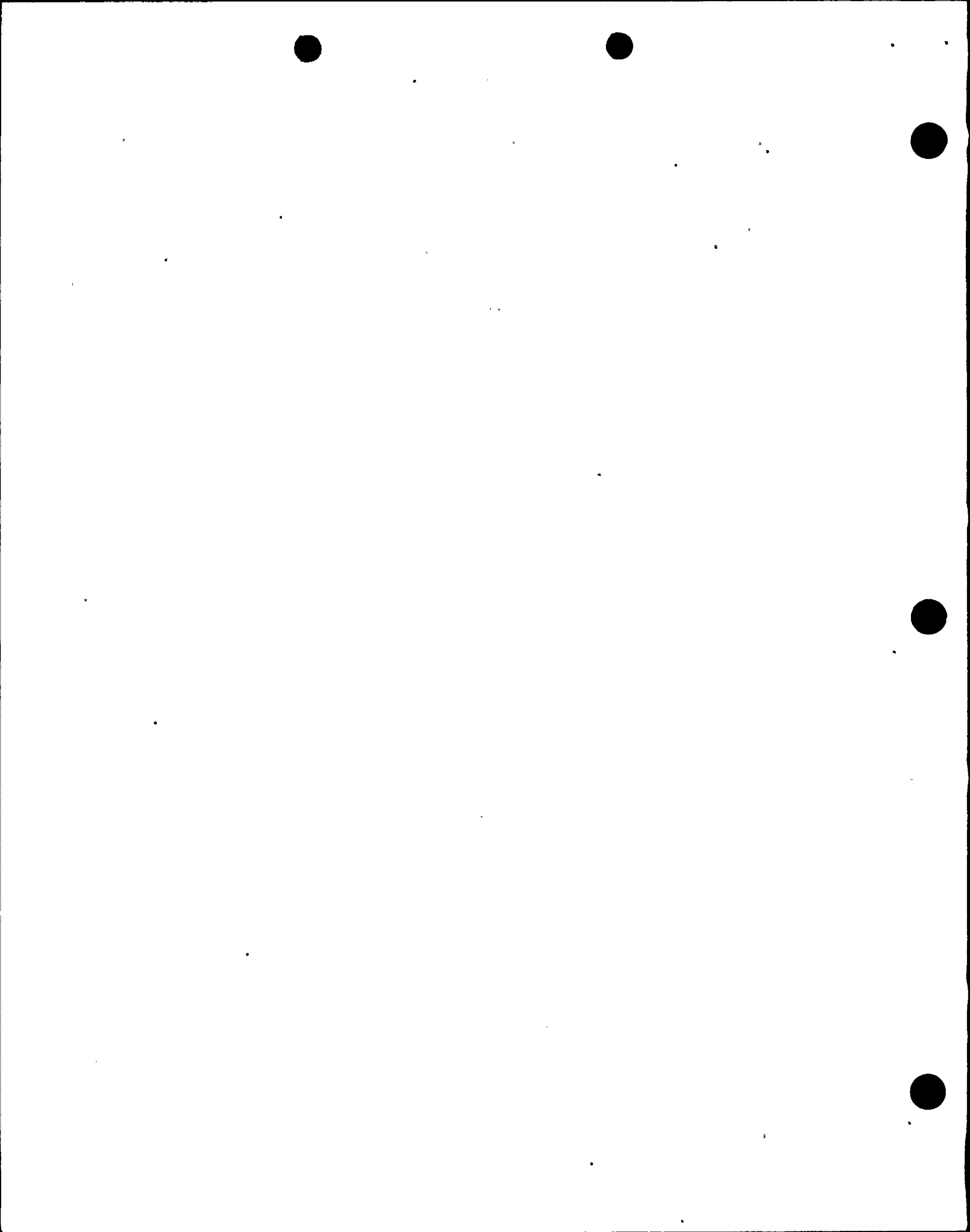
Figure 1.2-37 (Sheet 1 of 2)
Figure 1.2-37 (Sheet 2 of 2)

Table 1.3-7 ✓
Table 1.3-9 (Sheet 1 of 10) ✓
Table 1.3-9 (Sheet 4 of 10) ✓
Table 1.3-9 (Sheet 5 of 10) ✓
Table 1.3-9 (Sheet 6 of 10) ✓
Table 1.3-9 (Sheet 10 of 10) ✓

Table 1.3-7
Table 1.3-9 (Sheet 1 of 10)
Table 1.3-9 (Sheet 4 of 10)
Table 1.3-9 (Sheet 5 of 10)
Table 1.3-9 (Sheet 6 of 10)
Table 1.3-9 (Sheet 10 of 10)

1.4-3/1.4-4

1.4-3/1.4-4



Nine Mile Point Unit 2 ESAR

Volume 2

Remove

Insert

Table 1.8-1 (Sheet 3 of 169) ✓
Table 1.8-1 (Sheet 20 of 169) ✓
Table 1.8-1 (Sheet 57 of 169) ✓
Table 1.8-1 (Sheet 58 of 169) ✓
Table 1.8-1
(Sheet 114 of 169) ✓

Table 1.8-1 (Sheet 3 of 169)
Table 1.8-1 (Sheet 20 of 169)
Table 1.8-1 (Sheet 57 of 169)
Table 1.8-1 (Sheet 58 of 169)
Table 1.8-1
(Sheet 114 of 169)

Attachment 1.9-61 ✓
(Sheet 1 of 1)

Attachment 1.9-61
(Sheet 1 of 4 through
Sheet 4 of 4)

Attachment 1.9-69
(Sheet 1 of 1)

Attachment 1.9-69
(Sheet 1 of 1)

1.10-73/1.10-74

1.10-73/1.10-73a through
1.10-73n/1.10-74

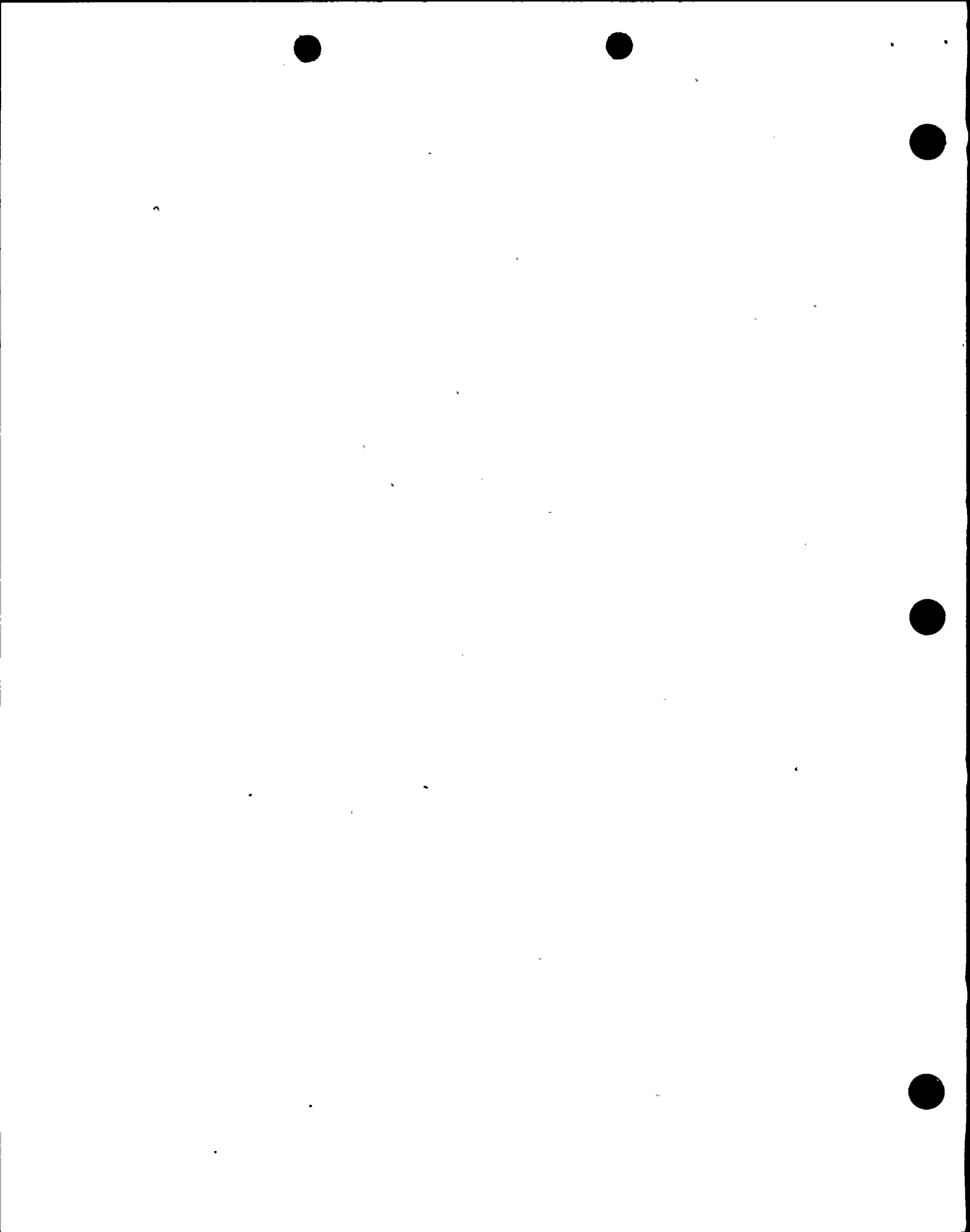
1.10-111/1.10-112

1.10-111/1.10-112

Tab 1.12

1.12-31/-

1.12-31/1.12-32 through
1.12-41/1.12-42



Nine Mile Point Unit 2 FSAR

Volume 3

Remove

Insert

2.1-3/2.1-4

2.1-3/2.1-3a
2.1-3b/2.1-4

Table 2.4-9

Table 2.4-9

2.5-1/2.5-2

2.5-1/2.5-1a
2.5-1b/2.5-2

2.5-61/2.5-62
2.5-133/2.5-134

2.5-61/2.5-62
2.5-133/2.5-134



Volume 6

Remove

Insert

Table 2G-9

Table 2G-9



Nine Mile Point Unit 2 FSAR

Volume 9

Remove

3.5-1/3.5-2
Figure 3.5-1

Insert

3.5-1/3.5-2
Figure 3.5-1



Nine Mile Point Unit 2 FSAR

Volume 10

Remove

3.7A-1/3.7A-2
3.8-1/3.8-2
3.8-17b/3.8-18
3.8-45/3.8-46

Insert

3.7A-1/3.7A-2
3.8-1/3.8-2
3.8-17b/3.8-18
3.8-45/3.8-46



Nine Mile Point Unit 2 FSAR

Volume 11

Remove

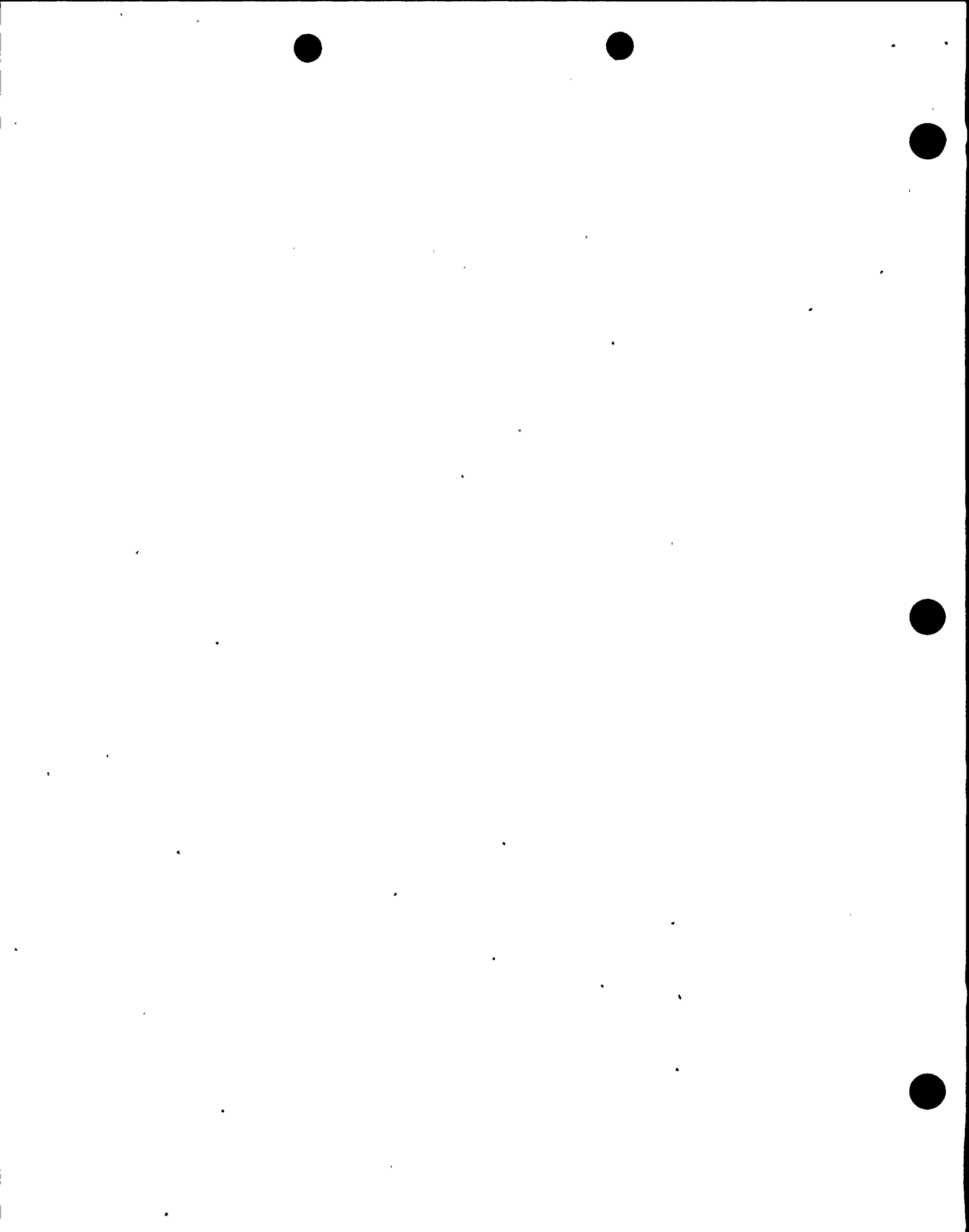
3.9A-2a/3.9A-2b
3.9A-11/3.9A-12
3.9A-23/3.9A-24

Table 3.9A-1
(Sheets 1 and 2 of 2)
Table 3.9A-4 (Sheet 45 of 80)

Insert

3.9A-2a/3.9A-2b
3.9A-11/3.9A-12
3.9A-23/3.9A-24
3.9A-24a/3.9A-24b

Table 3.9A-1
(Sheets 1 and 2 of 2)
Table 3.9A-4 (Sheet 45 of 80)



Nine Mile Point Unit 2 ESAR

Volume 12

Remove

3A-ix/3A-x
3A.25-1/-
3A.29-1/-

Insert

3A-ix/3A-x
3A.25-1/-
3A.29-1/-



Nine Mile Point Unit 2 FSAR

Volume 13

Remove

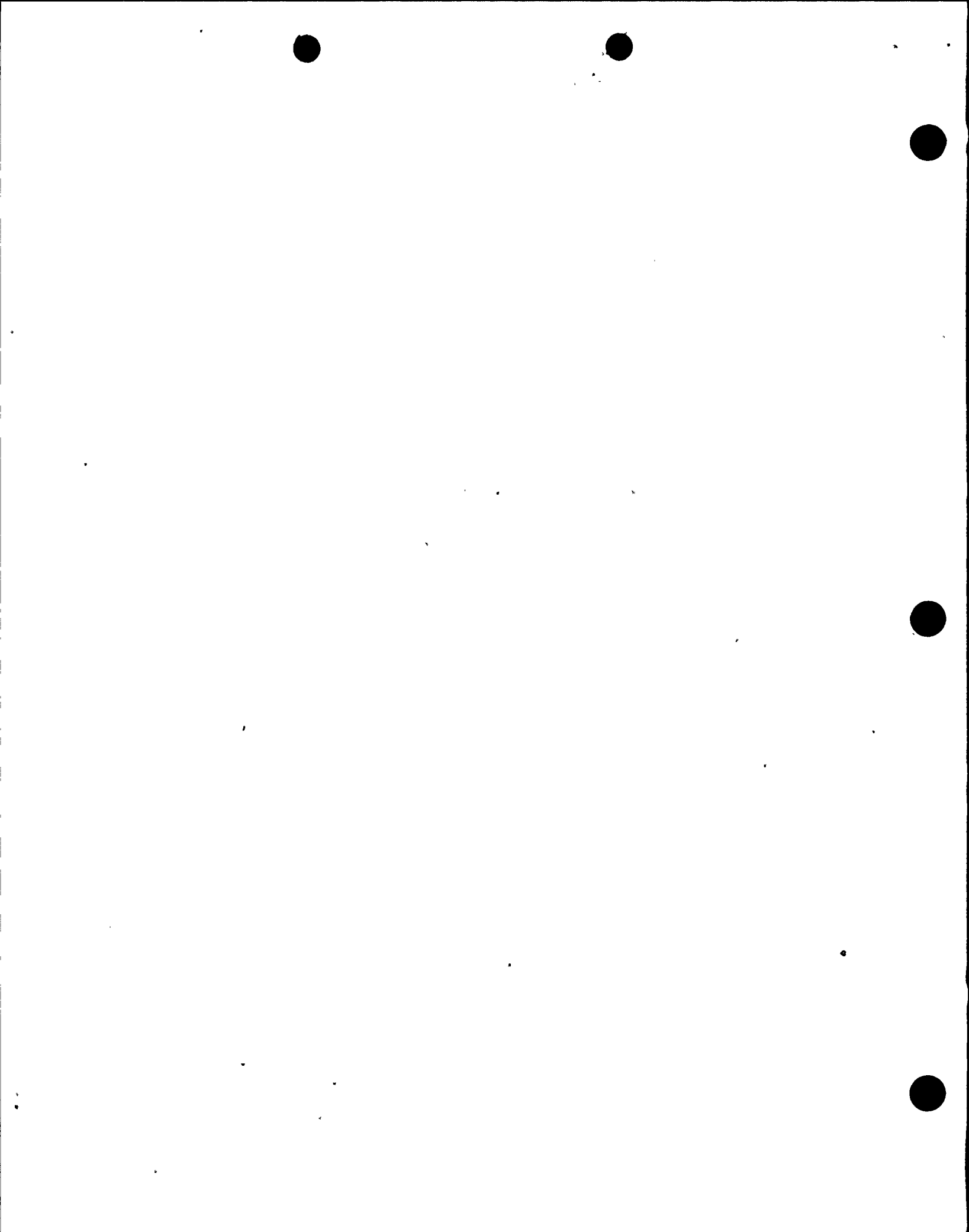
Table 5.2-1 (Sheet 1 of 8
through Sheet 8 of 8)

Table 6.1-3

Insert

Table 5.2-1 (Sheet 1 of 8
through Sheet 8 of 8)

Table 6.1-3



Nine Mile Point Unit 2 FSAR

Volume 14

Remove

6.2-57/6.2-58

Figure 6.2-38

(Sheet 11 of 12)*

Insert

6.2-57/6.2-57a

6.2-57b/6.2-57c

6.2-57d/6.2-58

Figure 6.2-38

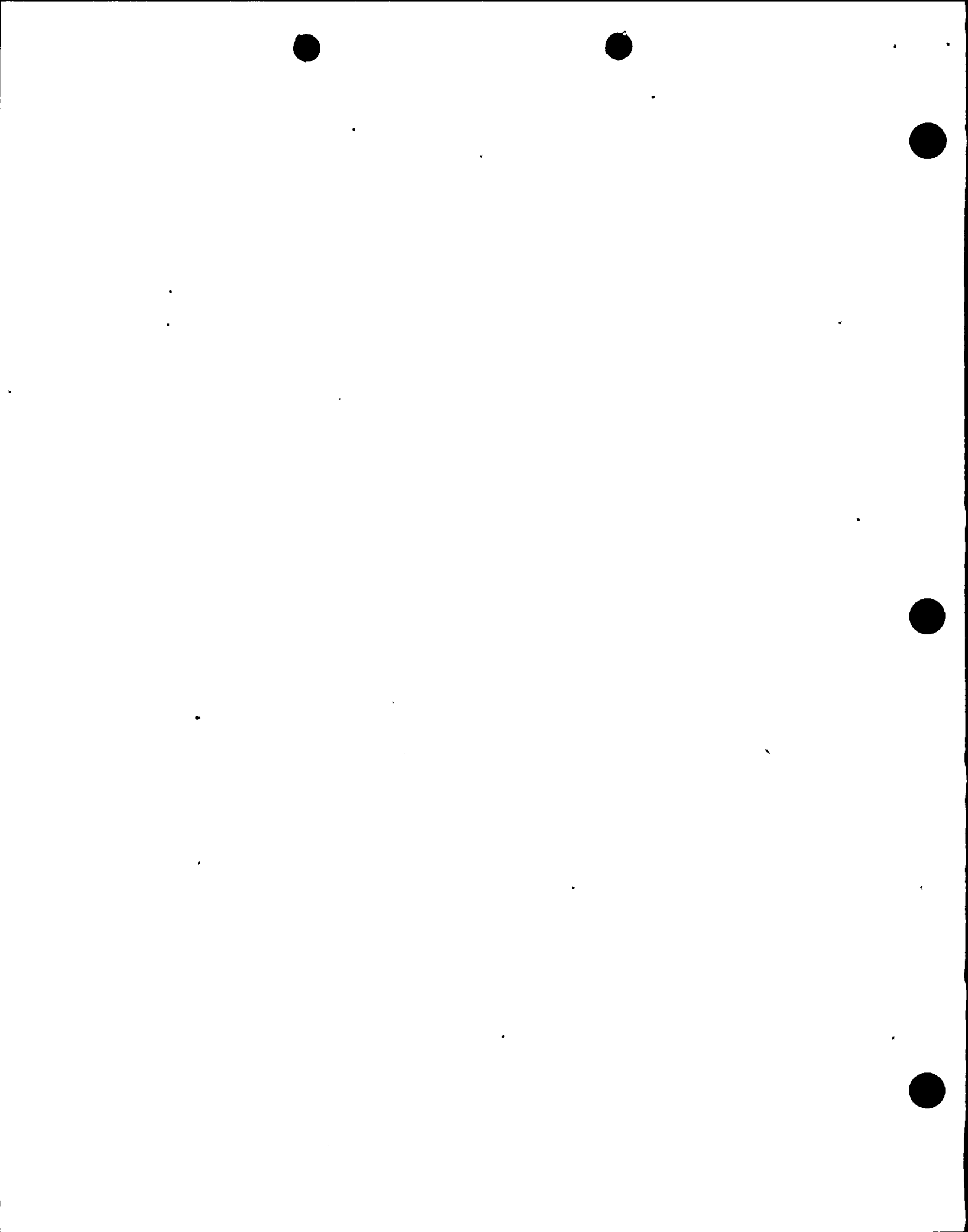
(Sheet 11 of 12)

Figure 6.2-76

Figure 6.2-77

Figure 6.2-78

*May already have been removed in last amendment.



Nine Mile Point Unit 2 FSAR

Volume 15

Insert

6.3-11/6.3-12
Figure 6.3-7

7.3-9/7.3-10
Table 7.3-5
(Sheets 1 and 2 of 2)

Insert

6.3-11/6.3-12
Figure 6.3-7

7.3-9/7.3-10
Table 7.3-5
(Sheets 1 and 2 of 2)



Nine Mile Point Unit 2 FSAR

Volume 16

Remove

8.2-9/8.2-10

8.3-9/8.3-10

8.3-23/8.3-24

8.3-35/8.3-36

8.3-61/8.3-62

Insert

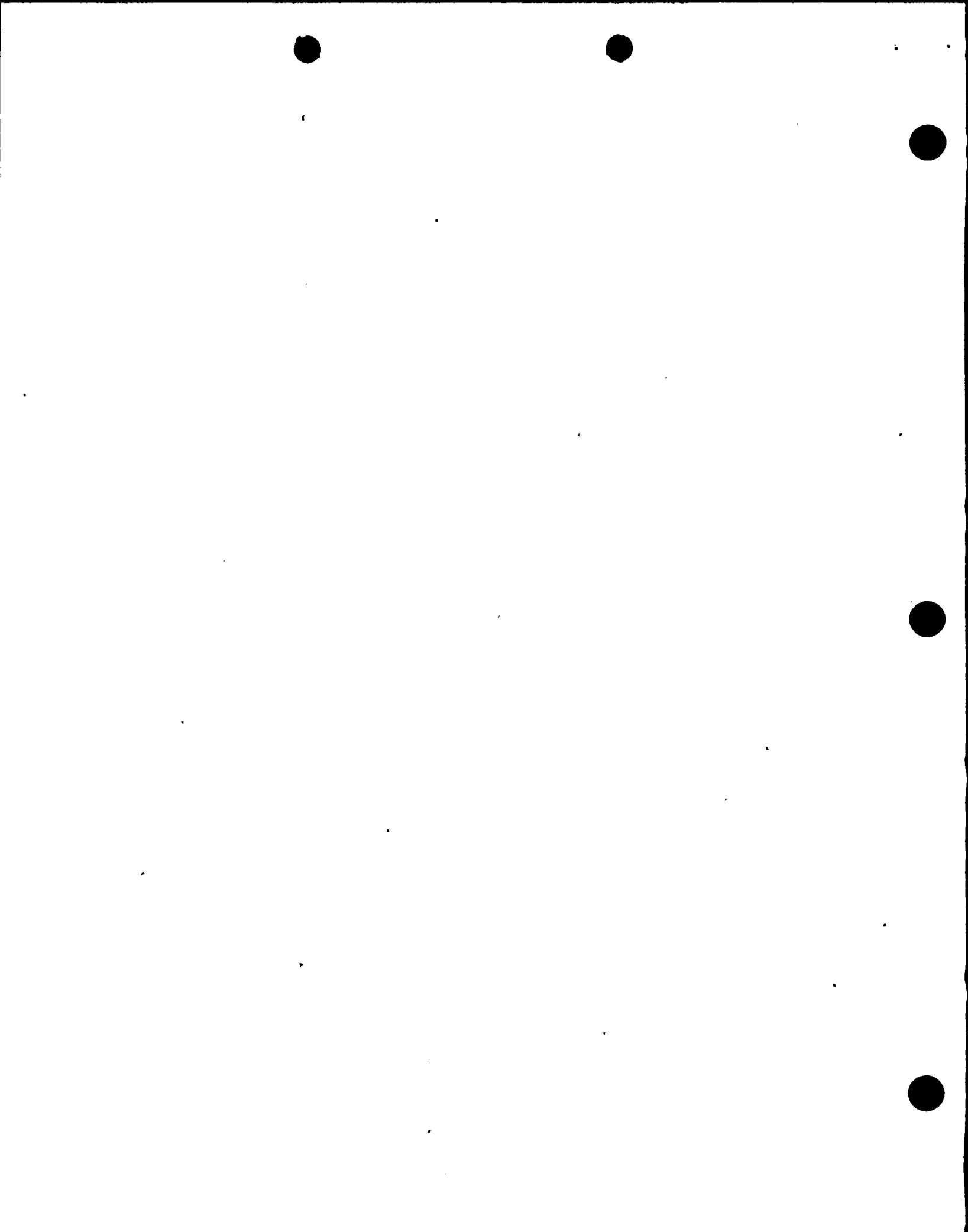
8.2-9/8.2-10

8.3-9/8.3-10

8.3-23/8.3-24

8.3-35/8.3-36

8.3-61/8.3-62



Nine Mile Point Unit 2 FSAR

Volume 17

Remove

Insert

Figure 8.3-8 (Sheet 1 of 2)

Figure 8.3-8 (Sheet 1 of 2)

9.1-5/9.1-6 through
9.1-11/9.1-12

9.1-5/9.1-6 through
9.1-11b/9.1-12

Figure 9.1-2

Figure 9.1-2

Figure 9.1-3

Figure 9.1-3

Figure 9.1-4

Figure 9.1-4



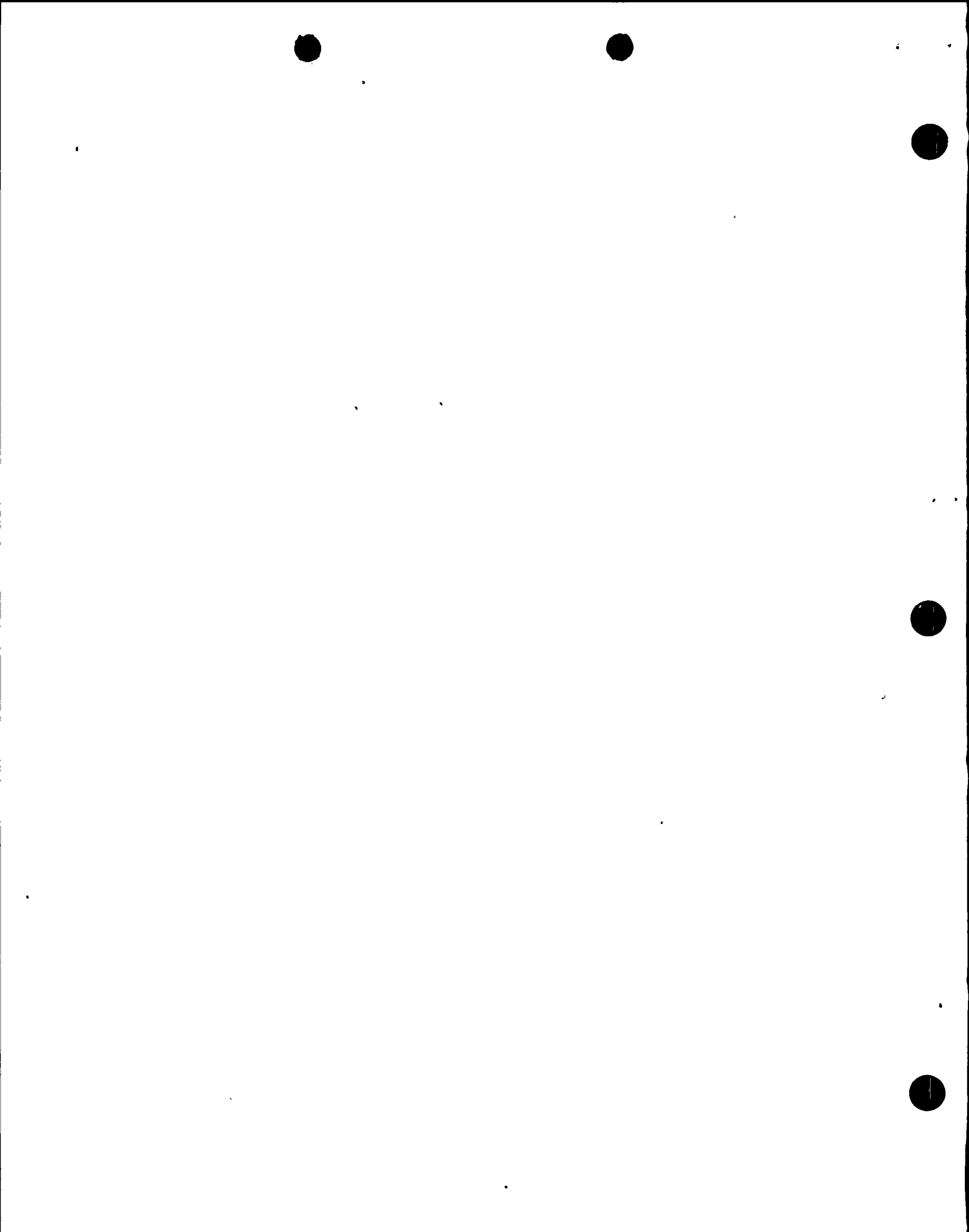
Nine Mile Point Unit 2 FSAR

Volume 23

Remove

Insert

Tab. Appendix 9B
9B-1/-



Nine Mile Point Unit 2 FSAR

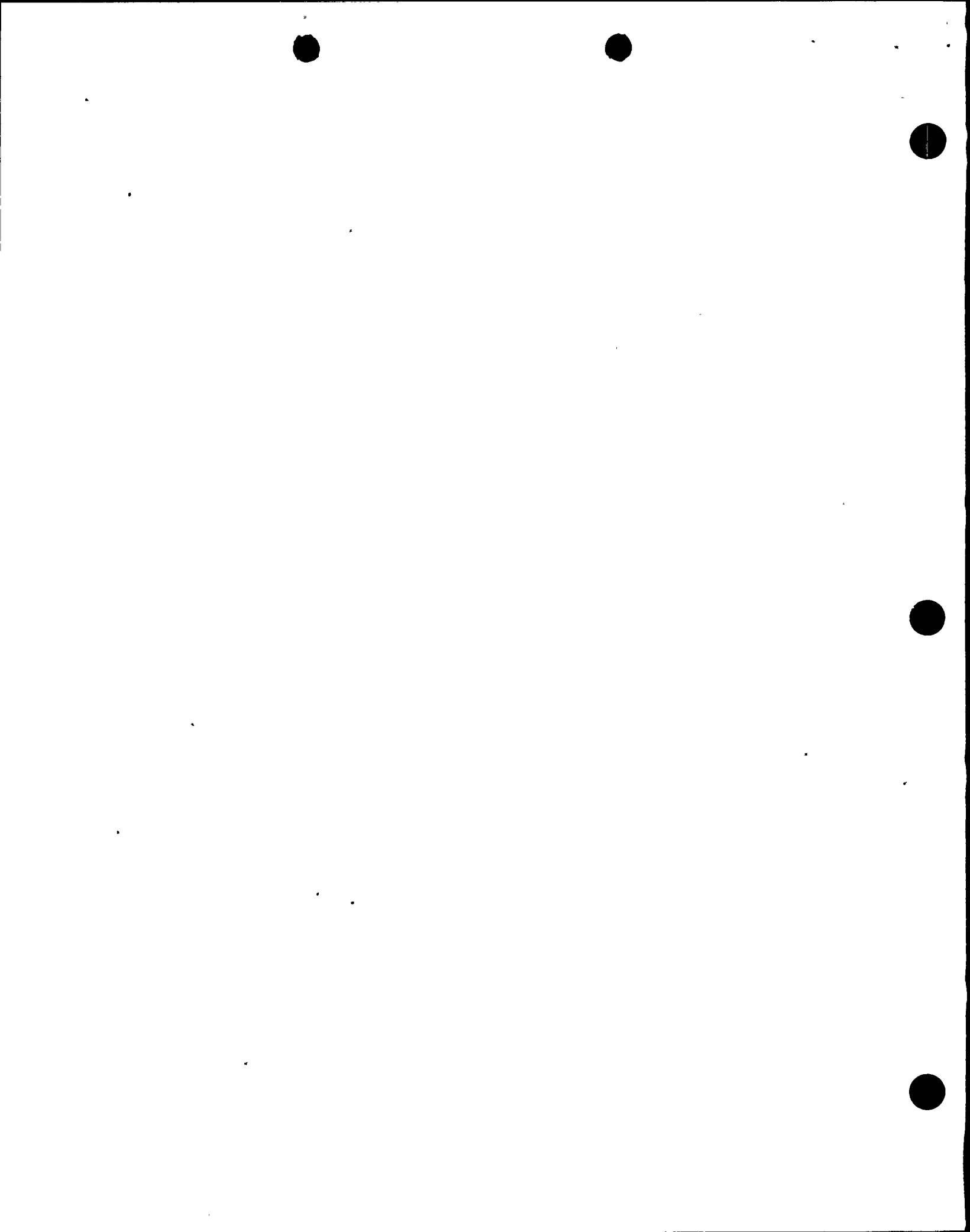
Volume 24

Remove

10.4-17/10.4-18

Insert

10.4-17/10.4-18



Nine Mile Point Unit 2 FSAR

Volume 25

Remove

Insert

Table 11A.1-17

Table 11A.1-17



Nine Mile Point Unit 2 FSAR

Volume 26

Remove

Insert

12.5-7/12.5-7a
12.5-13/12.5-14
Table 12.5-2
Table 12.5-3

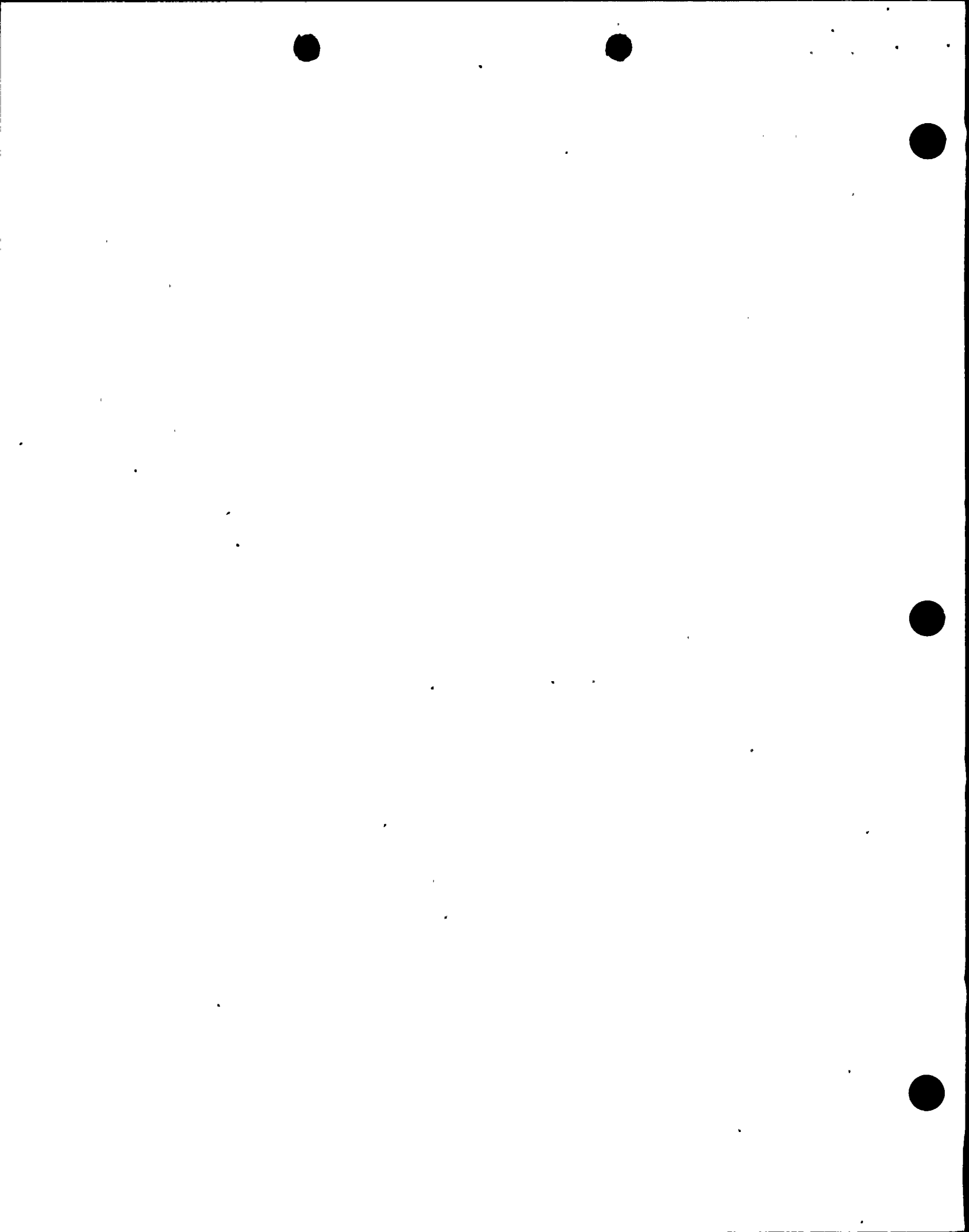
12.5-7/12.5-7a'
12.5-13/12.5-14
Table 12.5-2
Table 12.5-3

13.2-31/13.2-32

13.2-31/13.2-32

14.2-10a/14.2-10b

14.2-10a/14.2-10b



Nine Mile Point Unit 2 FSAR

Volume 27

Remove

Insert

i/ii

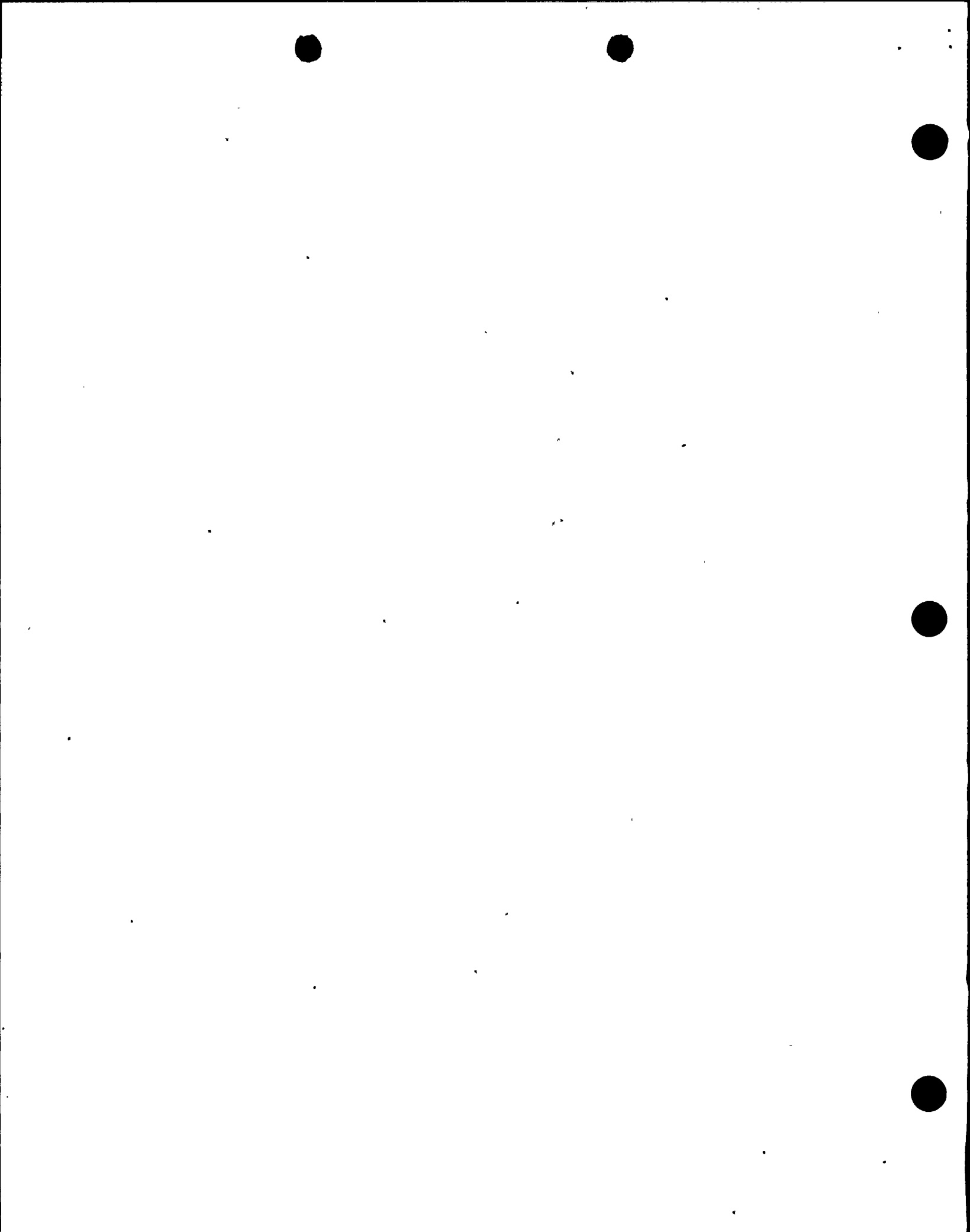
i/ii

Table 14.2-147

Table 14.2-147

15.2-21/15.2-22

15.2-21/15.2-22



Nine Mile Point Unit 2 FSAR

Volume 28

Remove

i/ii

Insert

i/ii

Tab Appendix 15B



Nine Mile Point Unit 2 FSAR

FAILURE MODES AND EFFECTS ANALYSIS
BOOK 1

Remove

Insert

2-1/2-2

2-1/2-2

4-3/4-4

4-3/4-4

Table 4-1 (Sheet 5 of 5)

Table 4-1 (Sheet 5 of 5)



7



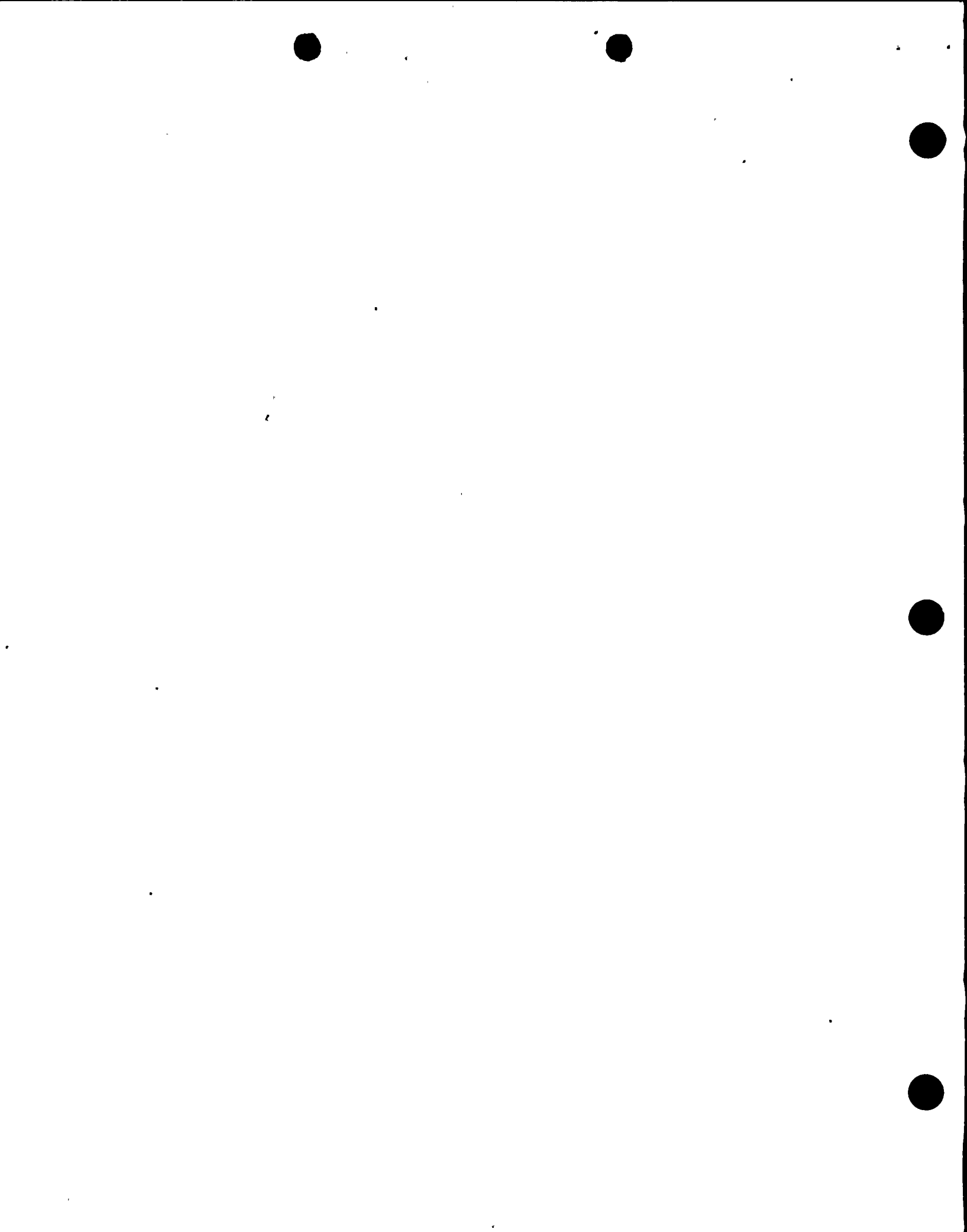
Nine Mile Point Unit 2 FSAR

FAILURE MODES AND EFFECTS ANALYSIS
BOOK 2

Remove

Insert

Appendix A - Sh 1/Sh 2
through Sh 7/- to be
inserted after Sh 26,
Spent Fuel Pool Cooling and
Cleanup, at the end of
Appendix A



Nine Mile Point Unit 2 FSAR

APPENDIX 13B
SITE EMERGENCY PLAN

Remove

Insert

LEP-1/LEP-2 ✓
SEP-iii-/SEP-iv ✓

LEP-1/LEP-2
SEP-iii-/SEP-iv

2-i/- ✓

2-i/-

3-5/3-6

3-5/3-6

4-i/-
4-3/4-4
4-7/4-8
4-9/4-10
4-15/4-16
4-19/4-20
4-25/4-26
4-27/-
--- ✓
--- ✓

4-i/-
4-3/4-4
4-7/4-8
4-9/4-10
4-15/4-16
4-19/4-20
4-25/4-26
4-27/4-28
4-29/4-30
4-31/-

5-i/-
5-7/5-8
5-11/5-12
5-13/5-14
5-15/5-16
5-21/5-22
5-36/-
5-37/5-38
5-41/5-42
5-49/5-50
5-57/5-58
5-59/5-60
5-61/5-62
5-77/5-78
5-79/5-80
5-81/5-82
5-83/5-84
5-85/5-86

5-i/-
5-7/5-8
5-11/5-12
5-13/5-14
5-15/5-16
5-21/5-22
5-36/-
5-37/5-38
5-41/5-42
5-49/5-50
5-57/5-58
5-59/5-60
5-61/5-62
5-77/5-78
5-79/5-80
5-81/5-82
5-83/5-84
5-85/5-86
5-87/-

7-1/7-2
7-3/7-4

7-1/7-2
7-3/7-4

9-1/9-2

9-1/9-2



Nine Mile Point Unit 2 FSAR

APPENDIX 6A
DESIGN ASSESSMENT REPORT FOR HYDRODYNAMIC LOADS

Remove

Table 6A.4-10
(Sheets 1 and 2 of 2)

Insert

Table 6A.4-10
(Sheets 1 and 2 of 2)





Nine Mile Point Unit 2 FSAR

FSAR QUESTIONS AND RESPONSES VOLUME (Cont)

Remove

Insert

Tab F730 SERIES
Tab F760 SERIES
Tab F810 SERIES
Tab F910 SERIES



Nine Mile Point Unit 2 FSAR

APPENDIX 9B
APPENDIX R REVIEW
SAFE SHUTDOWN EVALUATION

This appendix is in a separate binder.

