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 AUTH. NAME AUTHOR AFFILIATION
 MANGAN, C.V. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

Rev. sub 10/15/84 m.m.

SUBJECT: Amend 14 to 01 application, consisting of Amend 14 to FSAR.
 Affidavit encl.

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OCTOBER 5, 1984
(NMP2L 0169)

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 14 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 14 to the Final Safety Analysis Report. These changes incorporate certain responses into the text of the Final Safety Analysis Report as appropriate. Also included are changes which have resulted from our continuing review of these documents.

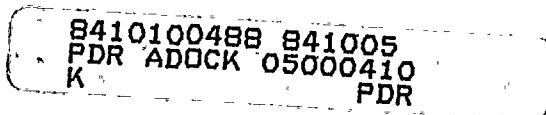
Very truly yours,

C. V. Mangan

C. V. Mangan
Vice President

Nuclear Engineering & Licensing

JM:ja
Enclosure
xc: Project File (2)



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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 24th day of September, 1984.

Christine Austin
Notary Public in and for
Onondaga County, New York

My Commission expires:

CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4787687
My Commission Expires March 30, 1985

CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 418707
My Commission Expires March 30, 18

NINE MILE POINT NUCLEAR STATION UNIT 2
NIAGARA MOHAWK POWER CORPORATION

FSAR AMENDMENT RECEIPT ACKNOWLEDGEMENT

I acknowledge receipt of:

Amendment 14

My copy has been updated, and superseded pages have been removed and destroyed.

Set Reassignment and/or Set Holder Change of Address
(if necessary)

Please reassign this manual to, and/or change my address as follows:

Please furnish all requested information and return to:

A. L. Monahan
Stone & Webster Engineering Corporation
3 Executive Campus
P.O. Box 5200
Cherry Hill, NJ 08034

Name of set holder _____ Set No. _____

Company _____

Signature _____ Date _____



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

The following instructions are for the insertion of the current amendment into the Nine Mile Point 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

INSERTION INSTRUCTIONS

VOLUME 2

Remove

Insert

1-vii/1-viii

1-vii/1-viii

Figure 1.2-17 (Sh 1 of 3 through
3 of 3)

Figure 1.2-17 (Sh 1 of 6 through
6 of 6)

Table 1.8-1 (155 of 169)

Table 1.8-1 (155 of 169)

Table 1.8-2 (7 of 14)

Table 1.8-2 (7 of 14)

Table 1.8-2 (7a of 14)

Table 1.8-2 (9 of 14)

Table 1.8-2 (9 of 14)

1.10-5/1.10-6

1.10-5/1.10-6

1.10-9/1.10-10

1.10-9/1.10-9a

1.10-9b/1.10-10

1.10-19/1.10-19a

1.10-19/1.10-19a

1.10-25/1.10-26

1.10-25/1.10-26

1.10-29/1.10-30

1.10-29/1.10-30

1.10-30a/1.10-30b

1.10-33/1.10-34

1.10-33/1.10-33a

1.10-33b/1.10-34

1.10-35/1.10-36

1.10-35/1.10-35a

1.10-35b/1.10-36

1.10-47/1.10-48

1.10-47/1.10-47a

1.10-47b/1.10-48

1.10-61/1.10-62

1.10-61/1.10-62

1.10-64a/1.10-64b

1.10-64a/1.10-64b

1.10-64c/1.10-64d

1.10-64c/1.10-64d

Table II.B.3-1 (1 and 2 of 2)

Table II.B.3-1 (1 and 2 of 2)

Table II.B.3-2

Table II.B.3-2

1.10-83/1.10-84

1.10-83/1.10-84

1.10-84a/1.10-84b

1.10-91/1.10-92

1.10-91/1.10-92



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 3

Remove

2-vii/2-viii

2-xxvii/2-xxviii

2.5-193/2.5-194

2.5-195/2.5-196

2.5-219/2.5-220

Table 2.5-45

Insert

2-vii/2-viii

2-viia/2-viib

2-xxvii/2-xxviii

2-xxviiia/2-xxviiib

2-xxviiic/2-xxviid

2.5-193/2.5-194

2.5-194a/2.5-194b

2.5-194c/2.5-194d

2.5-194e/2.5-194f

2.5-194g/2.5-194h

2.5-194i/2.5-194j

2.5-194k/2.5-194l

2.5-195/2.5-196

2.5-219/2.5-220

Table 2.5-45



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 4

Remove

Insert

Table 2.5-46A
Table 2.5-46B
Table 2.5-46C
Table 2.5-47
Table 2.5-48A
Table 2.5-48B
Table 2.5-48C
Table 2.5-49
Table 2.5-50
Figure 2.5-154
Figure 2.5-155
Figure 2.5-156
Figure 2.5-157
Figure 2.5-158
Figure 2.5-159
Figure 2.5-160
Figure 2.5-161
Figure 2.5-162
Figure 2.5-163
Figure 2.5-164
Figure 2.5-165
Figure 2.5-166
Figure 2.5-167
Figure 2.5-168
Figure 2.5-169
Figure 2.5-170
Figure 2.5-171
Figure 2.5-172
Figure 2.5-173
Figure 2.5-174
Figure 2.5-175
Figure 2.5-176
Figure 2.5-177
Figure 2.5-178
Figure 2.5-179
Figure 2.5-180
Figure 2.5-181
Figure 2.5-182
Figure 2.5-183
Figure 2.5-184
Figure 2.5-185
Figure 2.5-186
Figure 2.5-187
Figure 2.5-188



INSERTION INSTRUCTIONS

VOLUME 4 (Cont)

Remove

Insert

Figure 2.5-189
Figure 2.5-190
Figure 2.5-191
Figure 2.5-192 (Sh 1 and 2 of 2)
Figure 2.5-193 (Sh 1 and 2 of 2)
Figure 2.5-194
Figure 2.5-195
Figure 2.5-196
Figure 2.5-197 (Sh 1 of 3 through 3 of 3)
Figure 2.5-198 (Sh 1 of 6 through 6 of 6)
Figure 2.5-199 (Sh 1 of 5 through 5 of 5)
Figure 2.5-200 (Sh 1 and 2 of 2)
Figure 2.5-201 (Sh 1 of 3 through 3 of 3)
Figure 2.5-202
Figure 2.5-203
Figure 2.5-204
Figure 2.5-205
Figure 2.5-206
Figure 2.5-207
Figure 2.5-208 (Sh 1 of 10 through 10 of 10)
Figure 2.5-209
Figure 2.5-210 (Sh 1 of 4 through 4 of 4)
Figure 2.5-211 (Sh 1 and 2 of 2)
Figure 2.5-212 (Sh 1 of 3 through 3 of 3)



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 8

Remove

Table 3.2-1 (13a of 26)

Insert

Table 3.2-1 (12a of 26).
Table 3.2-1 (13a of 26)



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 9

Remove

3.5-15/3.5-16

Insert

3.5-15/3.5-15a

3.5-15b/3.5-16



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 11

Remove

3.9A-9/3.9A-10

3.9A-11/3.9A-12

Table 3.9B-2o

Insert

3.9A-9/3.9A-9a

3.9A-9b/3.9A-10

3.9A-11/3.9A-12

Table 3.9B-2o



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 12

Remove

4.2-1/4.2-2

Insert

4.2-1/4.2-2



1

Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 14

Remove

6.2-85/6.2-86
6.2-87/6.2-88

Insert

6.2-85/6.2-86
6.2-87/6.2-88



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 16

Remove

Table 7.1-3 (5 of 5)

7.7-23/7.7-24

7.7-31/7.7-32

8.2-1/8.2-1a

8.2-5/8.2-6

8.2-6a/8.2-6b

Figure 8.2-1

8.3-57/8.3-57a

8.3-57b/8.3-58

8.3-61/8.3-62

Insert

Table 7.1-3 (5 of 5)

7.7-23/7.7-24

7.7-24a/7.7-24b

7.7-31/7.7-32

8.2-1/8.2-1a

8.2-5/8.2-5a

8.2-5b/8.2-6

8.2-6a/8.2-6b

Figure 8.2-1

8.3-57/8.3-57a

8.3-57b/8.3-58

8.3-61/8.3-62



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 17

Remove

9-xi/9-xii

9.1-9/9.1-10

Insert

9-xi/9-xii

9.1-9/9.1-9a

9.1-9b/9.1-10

9.1-10a/9.1-10b



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

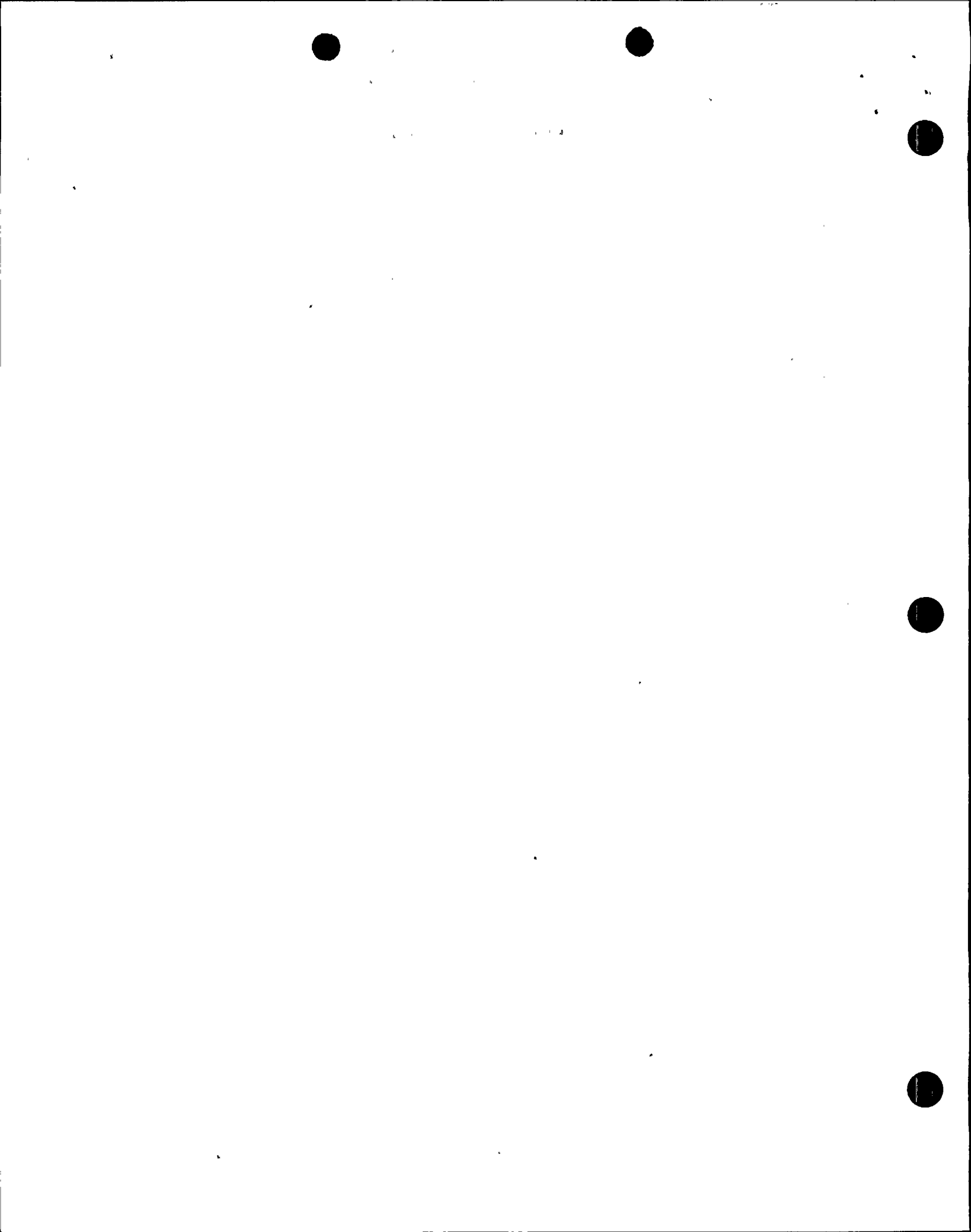
VOLUME 21

Remove

9.5-25/9.5-25a
9.5-51/9.5-51a
9.5-51b/9.5-52
9.5-52a/9.5-52b
9.5-57/9.5-57a
9.5-61/9.5-61a
9.5-61b/9.5-62

Insert

9.5-25/9.5-25a
9.5-51/9.5-51a
9.5-51b/9.5-52
9.5-52a/9.5-52b
9.5-57/9.5-57a
9.5-61/9.5-61a
9.5-61b/9.5-62



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 23

Remove

9A.3-31/9A.3-32

9A.3-49b/9A.3-50

Insert

9A.3-31/9A.3-31a
9A.3-31b/9A.3-32
9A.3-49b/9A.3-50
9A.3-50a/9A.3-50b



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 24

Remove

10.4-9/10.4-10
10.4-28a/10.4-28b

Insert

10.4-9/10.4-10
10.4-28a/10.4-28b



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 26

Remove

13-v/13-vi
13-vii/13-viii

Table 13.1-3 (2 of 7)
Table 13.1-3 (2a of 7)
Table 13.1-3 (2b of 7)
Table 13.1-3 (3 of 7)
Table 13.1-4 (2 of 4)

Figure 13.1-7

13.2-55/13.2-56

Table 14.2-43 (1 and 2 of 2)
Table 14.2-49 (1 and 2 of 2)
Table 14.2-51 (1 and 2 of 2)
Table 14.2-57 (1 and 2 of 2)
Table 14.2-70 (1 and 2 of 2)
Table 14.2-72 (1 and 2 of 2)
Table 14.2-123 (1 and 2 of 2)
Table 14.2-125 (1 through 3 of 3)

Insert

13-v/13-vi
13-vii/13-viii

Table 13.1-3 (2 of 7)
Table 13.1-3 (2a of 7)
Table 13.1-3 (2b of 7)
Table 13.1-3 (3 of 7)
Table 13.1-4 (2 of 4)
Table 13.1-4 (2a of 4)
Figure 13.1-7

13.2-55/13.2-56

Table 13.2-3

Table 14.2-43 (1 and 2 of 2)
Table 14.2-49 (1 and 2 of 2)
Table 14.2-51 (1 and 2 of 2)
Table 14.2-57 (1 and 2 of 2)
Table 14.2-70 (1 and 2 of 2)
Table 14.2-72 (1 and 2 of 2)
Table 14.2-123 (1 and 2 of 2)
Table 14.2-125 (1 through 3 of 3)



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

APPENDIX 9B

Remove

9B.8-1/-
Table 9B.8-2 (27 of 38)
Table 9B.8-2 (29 of 38)
Table 9B.8-2 (29a of 38)
Table 9B.8-2 (29b of 38)
Table 9B.8-2 (29c of 38)
Table 9B.8-2 (29d of 38)
Table 9B.8-2 (29e of 38)
Table 9B.8-2 (29f of 38)

Insert

9B.8-1/-
Table 9B.8-2 (27 of 38)
Table 9B.8-2 (29 of 38)
Table 9B.8-2 (29a of 38)
Table 9B.8-2 (29b of 38)
Table 9B.8-2 (29c of 38)
Table 9B.8-2 (29d of 38)
Table 9B.8-2 (29e of 38)
Table 9B.8-2 (29f of 38)



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS
QUESTIONS AND RESPONSES

VOLUME 1

Remove

FQR-i through FQR-xix

Q&R F100.6-1

Q&R F240.10-1/2

Q&R F240.11-1

Q&R F241.18-1

Insert

FQR-i through FQR-xix

Q&R F100.6-1

Q&R F240.10-1/2

Q&R F240.11-1

Q&R F241.18-1



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

QUESTIONS AND RESPONSES

VOLUME 2

Remove

Insert

FQR-i through FQR-xix

FQR-i through FQR-xix

Q&R F271.10-1/2

Q&R F271.10-1/2

Q&R F271.10-3/-

Q&R F271.10-3/4

Q&R F410.45-1

Q&R F410.45-1

Q&R F410.46-1

Q&R F410.46-1

Q&R F410.47-1

Q&R F410.47-1

Q&R F421.3-1/2

Q&R F421.3-3/4

Figure 421.3-1

Q&R F421.4-1/2

Q&R F421.4-3/4

Q&R F421.10-1

Q&R F421.10-1/2

Q&R F421.10-3

Q&R F421.12-1

Q&R F421.13-1/2

Q&R F421.13-3/4

Q&R F421.13-5/6

Q&R F421.13-7/8

Q&R F421.13-9/-

Figure 421.13-1

Figure 421.13-2

Figure 421.13-3

Q&R F421.15-1

Table 421.15-1 (1 and 2 of 2)

Q&R F421.18-1

Q&R F421.18-1/2

Q&R F421.20-1/2

Q&R F421.20-3

Q&R F421.23-1/2

Q&R F421.23-3

Q&R F421.25-1

Q&R F421.25-1

Q&R F421.27-1/2

Q&R F421.27-3/4

Q&R F421.27-5/6

Q&R F421.27-7/8

Q&R F421.27-9/10

Q&R F421.27-11/12

Q&R F421.27-13/14

Q&R F421.28-1

Q&R F421.28-1

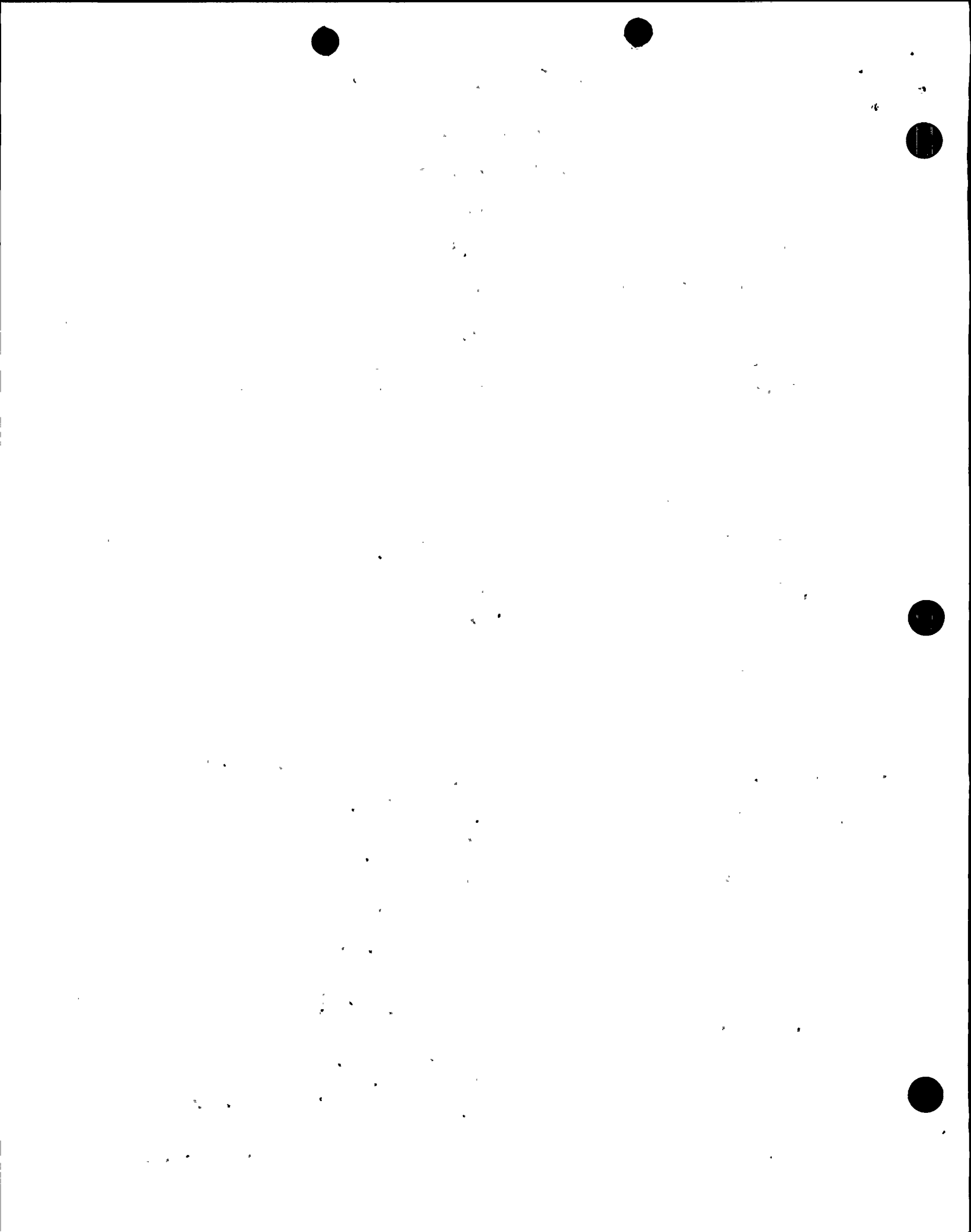
Q&R F421.34-1/2

Q&R F421.34-1/2

Q&R F421.34-2a/2b

Q&R F421.36-1

Table 421.36-1 (1 of 18 through
18 of 18)



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

VOLUME 2 (Cont)

Remove

Insert

Q&R F421.37-1/2
Q&R F421.42-1/2
Q&R F421.42-3
Q&R F421.43-1/2
Q&R F421.43-3/4
Q&R F421.43-5
Q&R F421.44-1/2
Q&R F421.47-1
Table 421.47-1 (1 of 17 through
(17 of 17)

Q&R F430.2-1
Q&R F430.3-1
Figure 430.7-1
Q&R F430.23-1/2
Q&R F430.23.3/4

Q&R F430.24-1
Q&R F430.58-1
Q&R F430.87-1
Q&R F430.97-1
Q&R F430.99-1
Q&R F430.100-1
Q&R F430.102-1/2
Q&R F430.105-1

Q&R F430.2-1/2
Q&R F430.3-1
Figure 430.7-1
Q&R F430.23-1/2
Q&R F430.23-3/4
Q&R F430.23-5
Q&R F430.24-1/2
Q&R F430.58-1
Q&R F430.87-1
Q&R F430.97-1
Q&R F430.99-1
Q&R F430.100-1
Q&R F430.102-1/2
Q&R F430.105-1



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

QUESTIONS AND RESPONSES

VOLUME 3

Remove

FQR-i through FQR-xix

Q&R F440.16-1/-

Q&R F460.18-1

Q&R F460.19-1

Q&R F640.1-1

Q&R F640.2-1

Q&R F640.06-1

Q&R F640.08-1/2

Q&R F640.13-1

Q&R F640.16-1

Q&R F640.17-1

Q&R F640.19-1

Q&R F640.20-1

Q&R F640.21-1

Q&R F640.31-1

Q&R F640.34-3/4

Q&R F640.34-5/6

Q&R F640.35-1

Insert

FQR-i through FQR-xix

Q&R F440.16-1/2

Q&R F460.18-1

Q&R F460.19-1

Q&R F640.1-1

Q&R F640.2-1

Q&R F640.06-1

Q&R F640.08-1/2

Q&R F640.13-1

Q&R F640.16-1

Q&R F640.17-1

Q&R F640.19-1

Q&R F640.20-1

Q&R F640.21-1

Q&R F640.31-1

Q&R F640.34-3/4

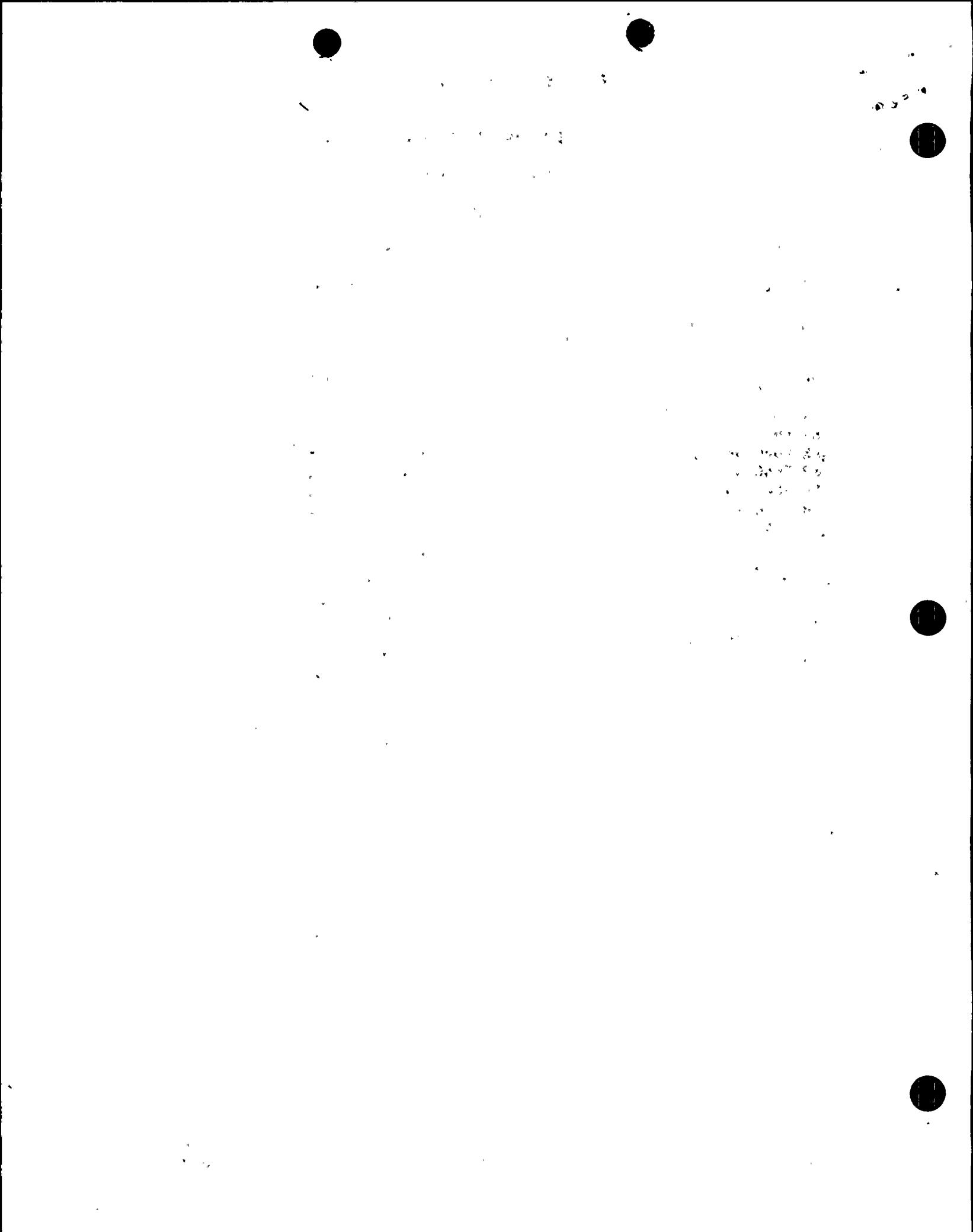
Q&R F640.34-5/6

Q&R F640.35-1

Tab GEOLOGY ITEMS

GI-1/2 through GI-21/22

Table GI-1



Nine Mile Point Unit 2 FSAR

INSERTION INSTRUCTIONS

LIST OF EFFECTIVE PAGES

Remove

EP 1-1 through EP 1-7
EP 2-1 through EP 2-18
EP 3-1 through EP 3-13
EP 4-1 through EP 4-2
EP 6-1 through EP 6-6
EP 7-1 through EP 7-3
EP 8-1 through EP 8-3
EP 9-1 through EP 9-9
EP 10-1 through EP 10-2
EP 13-1 through EP 13-3
EP 14-1 through EP 14-5
EP SSA-1 through SSA-2
EP Q&R-1 through Q&R-10

Insert

EP 1-1 through EP 1-7
EP 2-1 through EP 2-19
EP 3-1 through EP 3-13
EP 4-1 through EP 4-2
EP 6-1 through EP 6-6
EP 7-1 through EP 7-3
EP 8-1 through EP 8-3
EP 9-1 through EP 9-9
EP 10-1 through EP 10-2
EP 13-1 through EP 13-3
EP 14-1 through EP 14-5
EP SSA-1 through EP SSA-2
EP Q&R-1 through Q&R-11

