

Union Electric

One Ameren Plaza  
1901 Chouteau Avenue  
PO Box 66149  
St. Louis, MO 63166-6149  
314.621.3222

November 2, 1998

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Station P1-137  
Washington, D. C. 20555-0001

Gentlemen:

ULNRC-03913

**DOCKET NUMBER 50-483  
CALLAWAY PLANT  
UNION ELECTRIC COMPANY  
FINAL SAFETY ANALYSIS REPORT REVISION OL-10**



Furnished herewith is the signed original and 10 copies of Revision OL-10 to the Callaway Plant Final Safety Analysis Report (FSAR) Standard Plant and Site Addendum per the requirements of 10 CFR 50.4(b)(6).

Pursuant to 10 CFR 50.71(e), the FSAR has been revised to include all of the changes made to the plant since our last submittal, May 9, 1997, to 6 months prior to the date of this filing.

If there are any questions, please contact us.

Very truly yours,

A handwritten signature in cursive script that reads "Alan C. Passwater".

Alan C. Passwater  
Manager, Corporate Nuclear Services

JMC/  
Enclosure: Directions for Replacement Pages  
Attachment: Revision OL-10 to Callaway Plant FSAR

ORIGINAL  
for the NRC

9811100030 981102  
PDR ADOCK 05000483  
K PDR

A053  
1/10



cc: M. H. Fletcher  
Professional Nuclear Consulting, Inc.  
19041 Raines Drive  
Derwood, MD 20855-2432

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive  
Suite 400  
Arlington, TX 76011-8064

Senior Resident Inspector  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
8201 NRC Road  
Steedman, MO 65077

Mr. Mel Gray (2)  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
1 White Flint, North, Mail Stop 13E16  
11555 Rockville Pike  
Rockville, MD 20852-2738

Manager, Electric Department  
Missouri Public Service Commission  
P.O. Box 360  
Jefferson City, MO 65102

bcc: Phyllis Murdock/A160.761  
/QA Record (CA-758)

E210.01

J. V. Laux

G. L. Randolph

R. J. Irwin

P. M. Barrett

J. D. Blosser

A. C. Passwater

D. E. Shafer

J. M. Chapman

S. Wideman (WCNOC)

A. J. DiPerna, (Bechtel)

H. D. Bono

NSRB (Patty Reynolds)

## DIRECTIONS FOR INSERTING REVISION OL-10

Remove and insert FSAR pages, tables, and figures listed below. Dashes (---) in the remove or insert column of the directions indicate no action required. The transmittal letter and these directions should be placed behind the Revision OL-10 tab of the Standard Plant FSAR.

### REMOVE

LOEP Pages 1 thru 12  
Figure 2.1-3/-  
Page 2.2-1/2.2-2  
Page 2.2-5/2.2-6  
Page 2.2-11/2.2-12  
Figure 2.2-4/-  
Page 2.3-70/2.3-71  
Table 2.3-82 shts 1 thru 4  
Table 2.3-83(7)/2.3-84(1)  
Table 2.3-84(2)/2.3-84(3)  
Table 2.3-84(4)/2.3-85  
Page 2.4-49/2.4-50  
Page 2.4-53/2.4-54  
Page 2.4-59/2.4-60  
Table 2.4-19(3)/2.4-20(1)

Page 3A-9/-

Pages 9.2-15 thru 9.2-18  
Figure 9.2-1(1)/-  
Pages 9.5-15 thru 9.5-20  
Page 9.5E-7/9.5E-8  
Figure 9.5-3/-  
Figure 9.5-4/-  
Page 12.1-1/12.1-2  
Page 12.5-1/12.5-2  
Pages 13.1-1 thru 13.1-49  
Figure 13.1-1/13.1-2  
Figure 13.1-3/-  
Page 13.2-1/13.2-2  
Pages 13.5-1 thru 13.5-8  
Table 13.5-5/13.5-5(2)  
Table 13.5-6/13.5-7  
Pages 331.2C-1 thru 331.5C-1

LOEP Pages 1 thru 64  
Page 1.0-iii/1.0-iv

### VOLUME 1-SA

### VOLUME 3-SA

### VOLUME 4-SA

### VOLUME 1-SP

### INSERT

LOEP Pages 1 thru 12  
Figure 2.1-3/-  
Page 2.2-1/2.2-2  
Page 2.2-5/2.2/6  
Page 2.2-11/2.2-12  
Figure 2.2-4/-  
Page 2.3-70/2.3-71  
Table 2.3-82 shts 1 thru 4  
Table 2.3-83(7)/2.3-84(1)  
Table 2.3-84(2)/2.3-84(3)  
Table 2.3-84(4)/2.3-85  
Page 2.4-49/2.4-50  
Page 2.4-53/2.4-54  
Page 2.4-59/2.4-60  
Table 2.4-19(3)/2.4-20(1)

Page 3A-9/-

Pages 9.2-15 thru 9.2-18a  
Figures 9.2-1 shts 1 thru 6  
Pages 9.5-15 thru 9.5-20  
Page 9.5E-7/9.5E-8  
Figure 9.5-3/-  
Figure 9.5-4/-  
Page 12.1-1/12.1-2  
Page 12.5-1/12.5-2  
Pages 13.1-1 thru 13.1-45  
Figure 13.1-1/13.1-2  
Figure 13.1-3/-  
Page 13.2-1/13.2-2  
Pages 13.5-1 thru 13.5-8  
Table 13.5-5/13.5-5(2)  
Table 13.5-6/13.5-7  
Pages 331.2C-1 thru 331.5C-1

LOEP Pages 1 thru 64  
Page 1.0-iii/1.0-iv

**REMOVE**

Page 1.2-21/1.2-22  
Figures 1.2-1 thru 1.2-9  
Figures 1.2-11 thru 1.2-14  
Figure 1.2-17/-  
Figures 1.2-19 thru 1.2-20  
Figures 1.2-23 thru 1.2-26  
Figure 1.2-30/-  
Figures 1.2-32 thru 1.2-33  
Figures 1.2-44 thru 1.2-47  
Table 1.6-2 (21)/-  
Page 1.7-1/-  
Table 1.7-1 shts 1 thru 22  
Table 1.7-2 shts 1 thru 6  
Page 1.10-11/i.10-12  
Page 3.1-9/3.1-10  
Page 3.1-23/3.1-24  
Table 3.2-1(13)/3.2-1(14)  
Notes TBL 3.2-1(1)/3.2-1(2)  
Table 3.6-6(1)/3.6-6(2)

**VOLUME 1-SP Cont'd**

**INSERT**

Page 1.2-21/1.2-22a  
Figures 1.2-1 thru 1.2-9  
Figures 1.2-11 thru 1.2-14  
Figure 1.2-17/-  
Figures 1.2-19 thru 1.2-20  
Figures 1.2-23 thru 1.2-26  
Figure 1.2-30/-  
Figures 1.2-32 thru 1.2-33  
Figures 1.2-44 thru 1.2-47  
Table 1.6-2 (21)/-  
Page 1.7-1/-  
Table 1.7-1/-  
Table 1.7-2 shts 1 thru 6  
Page 1.10-11/1.10-12  
Page 3.1-9/3.1-10  
Page 3.1-23/3.1-24  
Table 3.2-1(13)/3.2-1(14)  
Notes TBL 3.2-1(1)/3.2-1(2)  
Table 3.6-6(1)/3.6-6(2)

**VOLUME 2-SP**

Figures 3.8-90 thru 3.8-92  
Figures 3.8-105 thru 3.8-109

Figures 3.8-90 thru 3.8-92  
Figures 3.8-105 thru 3.8-109

**VOLUME 3-SP**

Table 3.9(B)-16 shts 2 thru 15  
Table 3.9(B)-16 shts 20 thru 31  
Table 3.9(B)-16 shts 34 thru 39  
Page 3.9(N)-3/3.9(N)-4  
Page 3.9(N)-15/3.9(N)-16  
---  
Page 3.9(N)-17/3.9(N)-18  
Table 3.9(N)-10/3.9(N)-11(1)  
Table 3.9(N)-11 shts 2 thru 7  
Table 3.9(N)-11(8)/3.9(N)-12  
Page 3.11(B)-8a/3.11(B)-8b  
Page 3.11(B)-13/3.11(B)-14  
Table 3.11(B)-6/3.11(B)-6(2)  
Figure 3.11(B)-87/-  
Page 3A-3/3A-4  
Page 3A-23/3A-24  
Page 3A-53/3A-54  
Pages 3B-9 thru 3B-10b  
Table 3B-4/3B-5  
Figure 3B-3/3B-4

Table 3.9(B)-16 shts 2 thru 15  
Table 3.9(B)-16 shts 20 thru 31  
Table 3.9(B)-16 shts 34 thru 39  
Page 3.9(N)-3/3.9(N)-4  
Page 3.9(N)-15/3.9(N)-15a  
Page 3.9(N)-16/-  
Page 3.9(N)-17/3.9(N)-18  
Table 3.9(N)-10/3.9(N)-11(1)  
Table 3.9(N)-11 shts 2 thru 7  
Table 3.9(N)-11(8)/3.9(N)-12  
Page 3.11(B)-8a/3.11(B)-8b  
Page 3.11(B)-13/3.11(B)-14  
Table 3.11(B)-6/3.11(B)-6(2)  
Figure 3.11(B)-87/-  
Page 3A-3/3A-4  
Page 3A-23/3A-24  
Page 3A-53/3A-54  
Pages 3B-9 thru 3B-10c  
Table 3B-4/3B-5  
Figure 3B-3/3B-4

REMOVE

Page 4.2-11a/4.2-11b  
 Page 4.3-23/4.3-24  
 Page 4.3-51/-  
 Page 4.4-1/4.4-2  
 Page 4.4-37/4.4-38  
 Table 4.4-4/4.4-5  
 ---  
 Figure 5.1-1 shts 1 thru 4  
 Page 5.2-7/5.2/8  
 Page 5.2-11/5.2-12  
 Page 5.2-25/5.2-26  
 Pages 5.2-31 thru 5.2-34  
 Pages 5.2-39 thru 5.2-42  
 Table 5.2-6/-  
 Table 5.2-6(2)/5.2-6(3)  
 Figure 5.2-1/5.2-2  
 Page 5.3-11/5.3-12  
 Page 5.3-15/5.3-15a  
 Pages 5.3-17 thru 5.3-19  
 Table 5.3-9/5.3-10  
 Page 5.4-3/5.4-4  
 Page 5.4-29/5.4-30  
 Page 5.4-35/5.4-36  
 ---  
 Page 5.4-41/5.4-42  
 ---  
 Table 5.4-7/5.4-8  
 Figure 5.4-7/-  
 Notes Fig 5.4-8(1)/5.4-8(2)  
 Table 5.4A-2(4)/5.4A-2(5)

VOLUME 4-SP

INSERT

Page 4.2-11a/4.2-11b  
 Page 4.3-23/4.3-24  
 Page 4.3-51/-  
 Page 4.4-1/4.4-2  
 Page 4.4-37/4.4-38  
 Table 4.4-4/-  
 Table 4.4-5/4.4-5(2)  
 Figure 5.1-1 shts 1 thru 4  
 Page 5.2-7/5.2-8  
 Page 5.2-11/5.2-12  
 Page 5.2-25/5.2-26  
 Pages 5.2-31 thru 5.2-34  
 Pages 5.2-39 thru 5.2-42  
 Table 5.2-6/5.2-6(2)  
 Table 5.2-6(3)/-  
 Figure 5.2-1/5.2-2  
 Page 5.3-11/5.3-12  
 Page 5.3-15/5.3-15a  
 Pages 5.3-17 thru 5.3-19  
 Table 5.3-9/5.3-10  
 Page 5.4-3/5.4-4  
 Page 5.4-29/5.4-30  
 Page 5.4-35/5.4-35a  
 Page 5.4-36/-  
 Page 5.4-41/5.4-41a  
 Page 5.4-42/-  
 Table 5.4-7/5.4-8  
 Figure 5.4-7/-  
 Notes Fig 5.4-8(1)/5.4-8(2)  
 Table 5.4A-2(4)/5.4A-2(5)

VOLUME 5-SP

Pages 6.2.1-33 thru 6.2.1-36  
 Page 6.2.2-5/6.2.2-6  
 ---  
 Page 6.2.4-3/6.2.4-4  
 Page 6.2.5-9/6.2.5-10  
 Page 6.2.5-15/6.2.5-16  
 Figure 6.2.2-2 shts 1 thru 3  
 Notes to Fig 6.2.4-1/-  
 Figure 6.2.4-1 shts 1 thru 75  
 Figure 6.2.6-1/-  
 Page 6.3-5/6.3-6  
 Page 6.3-21/6.3-22  
 Page 6.3-25/6.3-26  
 Figure 6.3-1 shts 1 thru 5  
 Figure 6.3-7/-  
 Page 6.4-1/6.4-2  
 Table 6.5-1/6.5-2

Pages 6.2.1-33 thru 6.2.1-36  
 Page 6.2.2-5/6.2.2-6  
 Page 6.2.2-6a/-  
 Page 6.2.4-3/6.2.4-4  
 Page 6.2.5-9/6.2.5-10  
 Page 6.2.5-15/6.2.5-16  
 Figure 6.2.2-2 shts 1 thru 3  
 ---  
 Figure 6.2.4-1 shts 1 thru 84  
 Figure 6.2.6-1/-  
 Page 6.3-5/6.3-6  
 Page 6.3-21/6.3-22  
 Page 6.3-25/6.3-26  
 Figure 6.3-1 shts 1 thru 5  
 Figure 6.3-7/-  
 Page 6.4-1/6.4-2  
 Table 6.5-1/6.5-2

REMOVE

Pages 7.1-11 thru 7.1-14  
Table 7.1-3(3)/7.1-3(4)  
Table 7.1-7(2)/7.1-7(3)  
Page 7.2-9/7.2-10  
Page 7.2-19/7.2-20  
Pages 7.2-25 thru 7.2-28  
Pages 7.2-37 thru 7.2-39  
Table 7.2-1/7.2-1(2)  
Table 7.2-3(2)/7.2-4  
Figure 7.2-1(13)/-  
Figure 7.2-1(14)/-  
Pages 7.3-23 thru 7.3-26  
Page 7.3-29/7.3-30

---

Pages 7.3-33 thru 7.3-38  
Pages 7.3-51 thru 7.3-56  
Table 7.3-7/7.3-8  
Table 7.3-14(2)/7.3-15  
Page 7.4-9/7.4-10  
Page 7.5-5/7.5-6  
Page 7.7-17/7.7-18

---

Page 8.1-21/8.1-22  
Page 8.2-1/8.2-2  
Page 8.3-9/8.3-10  
Page 8.3-19 thru 8.3-22  
Page 8.3-25/8.3-26

---

Page 8.3-33/8.3-34  
Table 8.3-4 shts 6 thru 9  
Figure 8.3-1(2)/-  
Figure 8.3-2/-  
Figure 8.3-4/-  
Figure 8.3-5/-  
Figure 8.3-7/-  
Pages 9.1-27 thru 9.1-32  
Pages 9.1-35 thru 9.1-38  
Page 9.1-43/9.1-44  
Page 9.1-47/9.1-48  
Table 9.1-6/9.1-7  
Figure 9.1-3 (1)/-  
Figure 9.1-10/-  
Figure 9.1-12/-

INSERT

Pages 7.1-11/7.1-14  
Table 7.1-3(3)/7.1-3(4)  
Table 7.1-7(2)/7.1-7(3)  
Page 7.2-9/7.2-10  
Page 7.2-19/7.2-20  
Pages 7.2-25 thru 7.2-28  
Pages 7.2-37 thru 7.2-39  
Table 7.2-1/7.2-1(2)  
Table 7.2-3(2)/7.2-4  
Figure 7.2-1(13)/-  
Figure 7.2-1(14)/-  
Pages 7.3-23 thru 7.3-26  
Page 7.3-29/7.3-29a  
Page 7.3-30/-  
Pages 7.3-33 thru 7.3-38  
Pages 7.3-51 thru 7.3-56  
Table 7.3-7/7.3-8  
Table 7.3-14(2)/7.3-15  
Page 7.4-9/7.4-10  
Page 7.5-5/7.5-6  
Page 7.7-17/7.7-18  
Page 7.7-18a/-  
Page 8.1-21/8.1-22  
Page 8.2-1/8.2-2  
Page 8.3-9/8.3-10  
Page 8.3-19 thru 8.3-22  
Page 8.3-25/8.3-26  
Page 8.3-26a/-  
Page 8.3-33/8.3-34  
Table 8.3-4 shts 6 thru 9  
Figure 8.3-1(2)/-  
Figure 8.3-2/-  
Figure 8.3-4/-  
Figure 8.3-5/-  
Figure 8.3-7/-  
Pages 9.1-27 thru 9.1-32a  
Pages 9.1-35 thru 9.1-38  
Page 9.1-43/9.1-44  
Page 9.1-47/9.1-48  
Table 9.1-6/9.1-7  
Figure 9.1-3(1)/-  
Figure 9.1-10/-  
Figure 9.1-12/-



**REMOVE**

Pages 9.2-3 thru 9.2-7a  
Page 9.2-13/9.2-14  
Page 9.2-21/9.2-22  
Pages 9.2-25 thru 9.2-28  
Table 9.2-3(3)/9.2-4  
Table 9.2-4(2)/9.2-4(3)  
Table 9.2-7/9.2-7(2)  
Table 9.2-8/9.2-8(2)  
Table 9.2-9/9.2-9(2)  
Table 9.2-21/-  
Figure 9.2-1 shts 1 & 2  
Figure 9.2-2 shts 1 thru 3  
Figure 9.2-3 shts 2 & 3  
Figure 9.2-4/-  
Figure 9.2-5 shts 1 & 2  
Figure 9.2-13/-  
Figure 9.2-14/-  
Pages 9.3-7 thru 9.3-10  
Page 9.3-19/9.3-20  
Pages 9.3-45 thru 9.3-48  
Pages 9.3-53 thru 9.3-54a  
Table 9.3-9(5)/9.3-9(6)  
Figure 9.3-1 shts 1 & 2  
Figure 9.3-1 shts 4, 5, 6, 8 & 9  
Figure 9.3-2(1)/-  
Figure 9.3-4 shts 1 thru 3  
Figure 9.3-5 shts 3, 6, 7, 11, 13, & 16  
Figure 9.3-6(1)/-  
Figure 9.3-8 shts 1 thru 5  
Figure 9.3-11 shts 1 thru 3  
Page 9.4-29/9.4-30  
Page 9.4-89/9.4-90  
Table 9.4-8(4)/9.4-9(5)  
Figure 9.4-1 shts 2 & 3  
Figure 9.4-2(2)/-  
Figure 9.4-3 shts 3 thru 5  
Figure 9.4-4(3)/-  
Figure 9.4-5(2)/-  
Figure 9.4-6(4)/-  
Figure 9.4-9(1)/-  
Figure 9.4-10/-

**VOLUME 7-SP**

**INSERT**

Pages 9.2-3 thru 9.2-7a  
Page 9.2-13/9.2-14  
Page 9.2-21/9.2-22  
Pages 9.2-25 thru 9.2-28  
Table 9.2-3(3)/9.2-4  
Table 9.2-4(2)/9.2-4(3)  
Table 9.2-7/9.2-7(2)  
Table 9.2-8/9.2-8(2)  
Table 9.2-9/9.2-9(2)  
Table 9.2-21/-  
Figure 9.2-1 shts 1 & 2  
Figure 9.2-2 shts 1 thru 3  
Figure 9.2-3 shts 2 & 3  
Figure 9.2-4/-  
Figure 9.2-5 shts 1 & 2  
Figure 9.2-13/-  
Figure 9.2-14/-  
Pages 9.3-7 thru 9.3-10  
Page 9.3-19/9.3-20  
Pages 9.3-45 thru 9.3-48  
Pages 9.3-53 thru 9.3-54a  
Table 9.3-9(5)/9.3-9(6)  
Figure 9.3-1 shts 1 & 2  
Figure 9.3-1 shts 4, 5, 6, 8 & 9  
Figure 9.3-2(1)/-  
Figure 9.3-4 shts 1 thru 3  
Figure 9.3-5 shts 3, 6, 7, 11, 13 & 16  
Figure 9.3-6(1)/-  
Figure 9.3-8 shts 1 thru 5  
Figure 9.3-11 shts 1 thru 3  
Page 9.4-29/9.4-30  
Page 9.4-89/9.4-90  
Table 9.4-8(4)/9.4-9(5)  
Figure 9.4-1 shts 2 & 3  
Figure 9.4-2(2)/-  
Figure 9.4-3 shts 3 thru 5  
Figure 9.4-4(3)/-  
Figure 9.4-5(2)/-  
Figure 9.4-6(4)/-  
Figure 9.4-9(1)/-  
Figure 9.4-10/-

**VOLUME 8-SP**

Page 9.5.1-9/9.5.1-10  
Pages 9.5.1-29 thru 9.5.3-1  
Figure 9.5.1-1 shts 2, 3, & 5  
Figure 9.5.1-2 shts 1 thru 4  
Figure 9.5.4-1/-

Page 9.5.1-9/9.5.1-10  
Pages 9.5.1-29 thru 9.5.3-1  
Figure 9.5.1-1 shts 2, 3, & 5  
Figure 9.5.1-2 shts 1 thru 7  
Figure 9.5.4-1/-

**REMOVE**

**VOLUME 8-SP Cont'd**

Figure 9.5.5-1 shts 1 & 2  
Figure 9.5.6-1(2)/-  
Figure 9.5.7-1 shts 1 & 2  
Figure 9.5.9-1(3)/-  
Page 9.5A-0 thru 9.5A-26  
Page 9.5B-1/9.5B-2  
Page 9.5B-9/9.5B-10  
Pages 9.5B-15 thru 9.5B-18  
Pages 9.5B-21 thru 9.5B-24  
Pages 9.5B-49 thru 9.5B-52  
Page 9.5B-55/9.5B-56  
Page 9.5B-69/9.5B-70  
Page 9.5B-81/9.5B-82  
Pages 9.5B-89 thru 9.5B-92  
Page 9.5B-115/9.5B-116  
---  
Pages 9.5B-177 thru 9.5B-184  
Pages 9.5B-203 thru 9.5B-208  
Table 9.5B-2(5)/9.5B-2(6)  
Page 10.0-vii/10.0-viii  
Page 10.2-7/10.2-8  
---  
Figure 10.2-1 shts 3, 5, 8 thru 11  
Page 10.3-3/10.3-10  
Figure 10.3-1 shts 1 thru 4  
Page 10.4-9/10.4-10  
Page 10.4-15/10.4-16  
Pages 10.4-19 thru 10.4-24  
Pages 10.4-27 thru 10.4-30  
Pages 10.4-33 thru 10.4-36  
Pages 10.4-41 thru 10.4-44  
Page 10.4-47/10.4-48  
Table 10.4-4(3)/10.4-5  
Table 10.4-6/10.4-7  
Table 10.4-11/10.4-12  
Figure 10.4-1(1)/-  
Figure 10.4-2 shts 1 thru 4  
Figure 10.4-2 shts 7 & 8  
Figure 10.4-3(1)/-  
Figure 10.4-6 shts 1 thru 6, 9 & 11  
Figure 10.4-7(2)/-  
Figure 10.4-8 shts 1 & 2  
Figure 10.4-10/-  
Figure 10.4-11/-  
Figure 10.4-12 shts 1 thru 3, & 5

**INSERT**

Figure 9.5.5-1 shts 1 & 2  
Figure 9.5.6-1(2)/-  
Figure 9.5.7-1 shts 1 & 2  
Figure 9.5.9-1(3)/-  
Page 9.5A-0 thru 9.5A-26  
Page 9.5B-1/9.5B-2  
Page 9.5B-9/9.5B-10  
Pages 9.5B-15 thru 9.5B-18  
Pages 9.5B-21 thru 9.5B-24  
Pages 9.5B-49 THRU 9.5B-52  
Page 9.5B-55/9.5B-56  
Page 9.5B-69/9.5B-70  
Page 9.5B-81/9.5B-82  
Pages 9.5B-89 thru 9.5B-92  
Page 9.5B-115/9.5B-116  
Page 9.5B-116a/-  
Pages 9.5B-177 thru 9.5B-184  
Pages 9.5B-203 thru 9.5B-208  
Table 9.5B-2(5)/9.5B-2(6)  
Page 10.0-vii/10.0-viii  
Page 10.2-7/10.2-8  
Page 10.2-8a/-  
Figure 10.2-1 shts 3, 5, 8 thru 11  
Page 10.3-9/10.3-10  
Figure 10.3-1 shts 1 thru 4  
Page 10.4-9/10.4-10  
Page 10.4-15/10.4-16  
Pages 10.4-19 thru 10.4-24  
Pages 10.4-27 thru 10.4-30  
Pages 10.4-33 thru 10.4-36  
Pages 10.4-41 thru 10.4-44  
Page 10.4-47/10.4-48  
Table 10.4-4(3)/10.4-5  
Table 10.4-6/10.4-7  
Table 10.4-11/10.4-12  
Figure 10.4-1(1)/-  
Figure 10.4-2 shts 1 thru 4  
Figure 10.4-2 shts 7 & 8  
Figure 10.4-3(1)/-  
Figure 10.4-6 shts 1 thru 6, 9 & 11  
Figure 10.4-7(2)/-  
Figure 10.4-8 shts 1 & 2  
Figure 10.4-10/-  
Figure 10.4-11/-  
Figure 10.4-12 shts 1 thru 3, & 5

**REMOVE**

Figure 11.2-1 shts 2 thru 5  
Pages 11.3-3 thru 11.3-6  
Page 11.3-9/11.3-10  
Figure 11.3-1(1)/-  
Figure 11.4-1 shts 1 & 3  
Page 11.5-7/11.5-8  
Table 11.5-1/11.5-1(2)  
Table 11.5-2/11.5-3  
Table 11.5-3(2)/11.5-4  
Table 12.3-1/12.3-2  
Table 12.3-3/12.3-3(2)  
Table 12.3-3(3)/-  
Figure 12.3-2 shts 2 thru 4  
Figure 12.3-4/-

**VOLUME 9-SP**

**INSERT**

Figure 11.2-1 shts 2 thru 5  
Pages 11.3-3 thru 11.3-6  
Page 11.3-9/11.3-10  
Figure 11.3-1(1)/-  
Figure 11.4-1 shts 1 & 3  
Page 11.5-7/11.5-8  
Table 11.5-1/11.5-1(2)  
Table 11.5-2/11.5-3  
Table 11.5-3(2)/11.5-4  
Table 12.3-1/12.3-2  
Table 12.3-3/12.3-3(2)  
Table 12.3-3(3)/-  
Figure 12.3-2 shts 2 thru 4  
Figure 12.3-4/-

**VOLUME 10-SP**

Page 15.0-xiii/15.0-xiv  
Page 15.0-5/15.0-6  
Page 15.0-9/15.0-10  
Page 15.0-15/15.0-15a  
Page 15.0-19/15.0-20  
Table 15.0-1/15.0-2  
Table 15.0-2(2)/15.0-2(3)  
Table 15.0-2(6)/15.0-3  
Table 15.0-4/15.0-4(2)  
Table 15.0-6/15.0-6(2)  
Table 15.0-6(5)/15.0-7  
Pages 15.1-1 thru 15.1-6  
Page 15.1-9/15.1-10  
Page 15.1-13/15.1-14  
---  
Page 15.1-17/15.1-18  
Table 15.1-1/15.1-1(2)  
Table 15.1-2/15.1-2(2)  
Figure 15.1-1/15.1-2  
---  
Page 15.2-26/15.2-27  
---  
Page 15.4-5/15.4-6  
Page 15.4-29/15.4-30  
Page 15.6-21 thru 15.6-26  
Page 15.6-33/15.6-34  
Table 15.6-8/15.6-9  
Table 15.6-11/-  
Table 15.6-12/15.6-13  
Table 15.6-13(2)/15.6-14  
Table 15.6-15/15.6-16  
Figure 15.6-7/15.6-8

Page 15.0-xiii/15.0-xiv  
Page 15.0-5/15.0-6  
Page 15.0-9/15.0-10  
Page 15.0-15/15.0-15a  
Page 15.0-19/15.0-20  
Table 15.0-1/15.0-2  
Table 15.0-2(2)/15.0-2(3)  
Table 15.0-2(6)/15.0-3  
Table 15.0-4/15.0-4(2)  
Table 15.0-6/15.0-6(2)  
Table 15.0-6(5)/15.0-7  
Pages 15.1-1 thru 15.1-6  
Page 15.1-9/15.1-10  
Page 15.1-13/15.1-14  
Page 15.1-14a/-  
Page 15.1-17/15.1-18  
Table 15.1-1/15.1-1(2)  
Table 15.1-2/15.1-2(2)  
Figure 15.1-1/15.1-1A  
Figure 15.1-2/15.1-2A  
Page 15.2-26/15.2-27  
Page 15.2-27a/-  
Page 15.4-5/15.4-6  
Page 15.4-29/15.4-30  
Page 15.6-21 thru 15.6-26a  
Page 15.6-33/15.6-34  
Table 15.6-8/15.6-9  
Table 15.6-11/-  
Table 15.6-12/15.6-13  
Table 15.6-13(2)/15.6-14  
Table 15.6-15/15.6-16  
Figure 15.6-7/15.6-8

REMOVE

VOLUME 10-SP C Jnt'd

Figure 15.6-11/15.6-12  
Figure 15.6-15/15.6-16  
Figure 15.6-19/15.6-20  
Figure 15.6-23/15.6-24  
Figure 15.6-25/15.6-26  
Figure 15.6-29/15.6-30  
Figure 15.6-33/15.6-34  
Figure 15.6-37/15.6-38  
Figures 15.6-41 thru 15.6-44  
Figures 15.6-51 thru 15.6-54  
Figures 15.6-57 thru 15.6-60  
Table 16.0-1/16.0-2  
Page 16.1-1/16.1-2  
---  
Page 16.3-7/16.3-8  
---  
Table 16.3-1/16.3-1(cont)  
Table 16.3-2(cont)/16.3-2(cont)  
Table 16.3-7/16.3-8  
Page 16.4-7/16.4-8  
Pages 16.6-1 thru 16.6-4  
Page 16.6-7/16.6-8  
---  
Table 16.6-1/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Page 16.7-3/16.7-4  
Page 16.8-1/16.8-2  
Pages 16.9-1 thru 16.9-4  
Page 16.10-1/-  
Page 16.11-23/16.11-24  
---  
Table 16.11-3(2)/16.11-4  
Table 16.11-4(2)/16.11-4(3)  
Table 16.11-5/16.11-5(cont)  
---  
---  
Table 16.11-6/16.11-6(cont)  
---  
Page 18.1-7/18.1-8  
Page 18.2-45/18.2-46  
Table 18.2-2/18.2-2(2)  
Table 18.2-2(3)/18.2-3  
Figure 18.2-6/-  
Figure 18.2-15/-  
Page 18.3-7/18.3-8

INSERT

Figure 15.6-11/15.6-12  
Figure 15.6-15/15.6-16  
Figure 15.6-19/15.6-20  
Figure 15.6-23/15.6-24  
Figure 15.6-25/15.6-26  
Figure 15.6-29/15.6-30  
Figure 15.6-33/15.6-34  
Figure 15.6-37/15.6-38  
Figures 15.6-41 thru 15.6-44  
Figures 15.6-51 thru 15.6-54  
Figures 15.6-57 thru 15.6-60  
Table 16.0-1/16.0-2  
Page 16.1-1/16.1-2  
Page 16.1-2a/16.1-2b  
Page 16.3-7/16.3-7a  
Page 16.3-8/-  
Table 16.3-1/16.3-1(cont)  
Table 16.3-2(cont)/16.3-2(cont)  
Table 16.3-7/16.3-8  
Page 16.4-7/16.4-8  
Pages 16.6-1 thru 16.6-4  
Page 16.6-7/16.6-8  
Page 16.6-8a  
Table 16.6-1/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Page 16.7-3/16.7-4  
Page 16.8-1/16.8-2  
Pages 16.9-1 thru 16.9-4  
Page 16.10-1/-  
Page 16.11-23/16.11-24  
Page 16.11-24a  
Table 16.11-3(2)/16.11-4  
Table 16.11-4(2)/16.11-4(3)  
Table 16.11-4(4)/16.11-5  
Table 16.11-5(2)/16.11-5(3)  
Table 16.11-5(4)/-  
Table 16.11-6/16.11-6(2)  
Table 16.11-6(3)/-  
Page 18.1-7/18.1-8  
Page 18.2-45/18.2-46  
Table 18.2-2/18.2-2(2)  
Table 18.2-2(3)/18.2-3  
Figure 18.2-6/-  
Figure 18.2-15/-  
Page 18.3-7/18.3-8

REMOVE

Table 420.4-1(9)/420.4-2  
Table 420.4-2(2)/420.4-2(3)  
Table 420.4-3/420.4-3(2)  
Figure 430.38-1/-  
Pages 450-23 thru 450-28

VOLUME 11-SP

INSERT

Table 420.4-1(9)/420.4-2  
Table 420.4-2(2)/420.4-2(3)  
Table 420.4-3/420.4-3(2)  
Figure 430.38-1/-  
Pages 450-23 thru 450-28

DIRECTIONS FOR INSERTING REVISION OL-10

Remove and insert FSAR pages, tables, and figures listed below. Dashes (---) in the remove or insert column of the directions indicate no action required. The transmittal letter and these directions should be placed behind the Revision OL-10 tab of the Standard Plant FSAR.

REMOVE

INSERT

VOLUME 1-SA

LOEP Pages 1 thru 12  
Figure 2.1-3/-  
Page 2.2-1/2.2-2  
Page 2.2-5/2.2-6  
Page 2.2-11/2.2-12  
Figure 2.2-4/-  
Page 2.3-70/2.3-71  
Table 2.3-82 shts 1 thru 4  
Table 2.3-83(7)/2.3-84(1)  
Table 2.3-84(2)/2.3-84(3)  
Table 2.3-84(4)/2.3-85  
Page 2.4-49/2.4-50  
Page 2.4-53/2.4-54  
Page 2.4-59/2.4-60  
Table 2.4-19(3)/2.4-20(1)

LOEP Pages 1 thru 12  
Figure 2.1-3/-  
Page 2.2-1/2.2-2  
Page 2.2-5/2.2-6  
Page 2.2-11/2.2-12  
Figure 2.2-4/-  
Page 2.3-70/2.3-71  
Table 2.3-82 shts 1 thru 4  
Table 2.3-83(7)/2.3-84(1)  
Table 2.3-84(2)/2.3-84(3)  
Table 2.3-84(4)/2.3-85  
Page 2.4-49/2.4-50  
Page 2.4-53/2.4-54  
Page 2.4-59/2.4-60  
Table 2.4-19(3)/2.4-20(1)

VOLUME 3-SA

Page 3A-9/-

Page 3A-9/-

VOLUME 4-SA

Pages 9.2-15 thru 9.2-18  
Figure 9.2-1(1)/-  
Pages 9.5-15 thru 9.5-20  
Page 9.5E-7/9.5E-8  
Figure 9.5-3/-  
Figure 9.5-4/-  
Page 12.1-1/12.1-2  
Page 12.5-1/12.5-2  
Pages 13.1-1 thru 13.1-49  
Figure 13.1-1/13.1-2  
Figure 13.1-3/-  
Page 13.2-1/13.2-2  
Pages 13.5-1 thru 13.5-8  
Table 13.5-5/13.5-5(2)  
Table 13.5-6/13.5-7  
Pages 331.2C-1 thru 331.5C-1

Pages 9.2-15 thru 9.2-18a  
Figures 9.2-1 shts 1 thru 6  
Pages 9.5-15 thru 9.5-20  
Page 9.5E-7/9.5E-8  
Figure 9.5-3/-  
Figure 9.5-4/-  
Page 12.1-1/12.1-2  
Page 12.5-1/12.5-2  
Pages 13.1-1 thru 13.1-45  
Figure 13.1-1/13.1-2  
Figure 13.1-3/-  
Page 13.2-1/13.2-2  
Pages 13.5-1 thru 13.5-8  
Table 13.5-5/13.5-5(2)  
Table 13.5-6/13.5-7  
Pages 331.2C-1 thru 331.5C-1

VOLUME 1-SP

LOEP Pages 1 thru 64  
Page 1.0-iii/1.0-iv

LOEP Pages 1 thru 64  
Page 1.0-iii/1.0-iv

**REMOVE**

**VOLUME 1-SP Cont'd**

Page 1.2-21/1.2-22  
 Figures 1.2-1 thru 1.2-9  
 Figures 1.2-11 thru 1.2-14  
 Figure 1.2-17/-  
 Figures 1.2-19 thru 1.2-20  
 Figures 1.2-23 thru 1.2-26  
 Figure 1.2-30/-  
 Figures 1.2-32 thru 1.2-33  
 Figures 1.2-44 thru 1.2-47  
 Table 1.6-2 (21)/-  
 Page 1.7-1/-  
 Table 1.7-1 shts 1 thru 22  
 Table 1.7-2 shts 1 thru 6  
 Page 1.10-11/1.10-12  
 Page 3.1-9/3.1-10  
 Page 3.1-23/3.1-24  
 Table 3.2-1(13)/3.2-1(14)  
 Notes TBL 3.2-1(1)/3.2-1(2)  
 Table 3.6-6(1)/3.6-6(2)

**VOLUME 2-SP**

Figures 3.8-90 thru 3.8-92  
 Figures 3.8-105 thru 3.8-109

**VOLUME 3-SP**

Table 3.9(B)-16 shts 2 thru 15  
 Table 3.9(B)-16 shts 20 thru 31  
 Table 3.9(B)-16 shts 34 thru 39  
 Page 3.9(N)-3/3.9(N)-4  
 Page 3.9(N)-15/3.9(N)-16  
 ---  
 Page 3.9(N)-17/3.9(N)-18  
 Table 3.9(N)-10/3.9(N)-11(1)  
 Table 3.9(N)-11 shts 2 thru 7  
 Table 3.9(N)-11(8)/3.9(N)-12  
 Page 3.11(B)-8a/3.11(B)-8b  
 Page 3.11(B)-13/3.11(B)-14  
 Table 3.11(B)-6/3.11(B)-6(2)  
 Figure 3.11(B)-87/-  
 Page 3A-3/3A-4  
 Page 3A-23/3A-24  
 Page 3A-53/3A-54  
 Pages 3B-9 thru 3B-10b  
 Table 3B-4/3B-5  
 Figure 3B-3/3B-4

**INSERT**

Page 1.2-21/1.2-22a  
 Figures 1.2-1 thru 1.2-9  
 Figures 1.2-11 thru 1.2-14  
 Figure 1.2-17/-  
 Figures 1.2-19 thru 1.2-20  
 Figures 1.2-23 thru 1.2-26  
 Figure 1.2-30/-  
 Figures 1.2-32 thru 1.2-33  
 Figures 1.2-44 thru 1.2-47  
 Table 1.6-2 (21)/-  
 Page 1.7-1/-  
 Table 1.7-1/-  
 Table 1.7-2 shts 1 thru 6  
 Page 1.10-11/1.10-12  
 Page 3.1-9/3.1-10  
 Page 3.1-23/3.1-24  
 Table 3.2-1(13)/3.2-1(14)  
 Notes TBL 3.2-1(1)/3.2-1(2)  
 Table 3.6-6(1)/3.6-6(2)

Figures 3.8-90 thru 3.8-92  
 Figures 3.8-105 thru 3.8-109

Table 3.9(B)-16 shts 2 thru 15  
 Table 3.9(B)-16 shts 20 thru 31  
 Table 3.9(B)-16 shts 34 thru 39  
 Page 3.9(N)-3/3.9(N)-4  
 Page 3.9(N)-15/3.9(N)-15a  
 Page 3.9(N)-16/-  
 Page 3.9(N)-17/3.9(N)-18  
 Table 3.9(N)-10/3.9(N)-11(1)  
 Table 3.9(N)-11 shts 2 thru 7  
 Table 3.9(N)-11(8)/3.9(N)-12  
 Page 3.11(B)-8a/3.11(B)-8b  
 Page 3.11(B)-13/3.11(B)-14  
 Table 3.11(B)-6/3.11(B)-6(2)  
 Figure 3.11(B)-87/-  
 Page 3A-3/3A-4  
 Page 3A-23/3A-24  
 Page 3A-53/3A-54  
 Pages 3B-9 thru 3B-10c  
 Table 3B-4/3B-5  
 Figure 3B-3/3B-4

REMOVE

Page 4.2-11a/4.2-11b  
 Page 4.3-23/4.3-24  
 Page 4.3-51/-  
 Page 4.4-1/4.4-2  
 Page 4.4-37/4.4-38  
 Table 4.4-4/4.4-5  
 ---  
 Figure 5.1-1 shts 1 thru 4  
 Page 5.2-7/5.2-8  
 Page 5.2-11/5.2-12  
 Page 5.2-25/5.2-26  
 Pages 5.2-31 thru 5.2-34  
 Pages 5.2-39 thru 5.2-42  
 Table 5.2-6/-  
 Table 5.2-6(2)/5.2-6(3)  
 Figure 5.2-1/5.2-2  
 Page 5.3-11/5.3-12  
 Page 5.3-15/5.3-15a  
 Pages 5.3-17 thru 5.3-19  
 Table 5.3-9/5.3-10  
 Page 5.4-3/5.4-4  
 Page 5.4-29/5.4-30  
 Page 5.4-35/5.4-36  
 ---  
 Page 5.4-41/5.4-42  
 ---  
 Table 5.4-7/5.4-8  
 Figure 5.4-7/-  
 Notes Fig 5.4-8(1)/5.4-8(2)  
 Table 5.4A-2(4)/5.4A-2(5)

VOLUME 4-SP

INSERT

Page 4.2-11a/4.2-11b  
 Page 4.3-23/4.3-24  
 Page 4.3-51/-  
 Page 4.4-1/4.4-2  
 Page 4.4-37/4.4-38  
 Table 4.4-4/-  
 Table 4.4-5/4.4-5(2)  
 Figure 5.1-1 shts 1 thru 4  
 Page 5.2-7/5.2-8  
 Page 5.2-11/5.2-12  
 Page 5.2-25/5.2-26  
 Pages 5.2-31 thru 5.2-34  
 Pages 5.2-39 thru 5.2-42  
 Table 5.2-6/5.2-6(2)  
 Table 5.2-6(3)/-  
 Figure 5.2-1/5.2-2  
 Page 5.3-11/5.3-12  
 Page 5.3-15/5.3-15a  
 Pages 5.3-17 thru 5.3-19  
 Table 5.3-9/5.3-10  
 Page 5.4-3/5.4-4  
 Page 5.4-29/5.4-30  
 Page 5.4-35/5.4-35a  
 Page 5.4-36/-  
 Page 5.4-41/5.4-41a  
 Page 5.4-42/-  
 Table 5.4-7/5.4-8  
 Figure 5.4-7/-  
 Notes Fig 5.4-8(1)/5.4-8(2)  
 Table 5.4A-2(4)/5.4A-2(5)

VOLUME 5-SP

Pages 6.2.1-33 thru 6.2.1-36  
 Page 6.2.2-5/6.2.2-6  
 ---  
 Page 6.2.4-3/6.2.4-4  
 Page 6.2.5-9/6.2.5-10  
 Page 6.2.5-15/6.2.5-16  
 Figure 6.2.2-2 shts 1 thru 3  
 Notes to Fig 6.2.4-1/-  
 Figure 6.2.4-1 shts 1 thru 75  
 Figure 6.2.6-1/-  
 Page 6.3-5/6.3-6  
 Page 6.3-21/6.3-22  
 Page 6.3-25/6.3-26  
 Figure 6.3-1 shts 1 thru 5  
 Figure 6.3-7/-  
 Page 6.4-1/6.4-2  
 Table 6.5-1/6.5-2

Pages 6.2.1-33 thru 6.2.1-36  
 Page 6.2.2-5/6.2.2-6  
 Page 6.2.2-6a/-  
 Page 6.2.4-3/6.2.4-4  
 Page 6.2.5-9/6.2.5-10  
 Page 6.2.5-15/6.2.5-16  
 Figure 6.2.2-2 shts 1 thru 3  
 ---  
 Figure 6.2.4-1 shts 1 thru 84  
 Figure 6.2.6-1/-  
 Page 6.3-5/6.3-6  
 Page 6.3-21/6.3-22  
 Page 6.3-25/6.3-26  
 Figure 6.3-1 shts 1 thru 5  
 Figure 6.3-7/-  
 Page 6.4-1/6.4-2  
 Table 6.5-1/6.5-2



REMOVE

VOLUME 6-SP

INSERT

Pages 7.1-11 thru 7.1-14  
Table 7.1-3(3)/7.1-3(4)  
Table 7.1-7(2)/7.1-7(3)  
Page 7.2-9/7.2-10  
Page 7.2-19/7.2-20  
Pages 7.2-25 thru 7.2-28  
Pages 7.2-37 thru 7.2-39  
Table 7.2-1/7.2-1(2)  
Table 7.2-3(2)/7.2-4  
Figure 7.2-1(13)/-  
Figure 7.2-1(14)/-  
Pages 7.3-23 thru 7.3-26  
Page 7.3-29/7.3-30  
---  
Pages 7.3-33 thru 7.3-38  
Pages 7.3-51 thru 7.3-56  
Table 7.3-7/7.3-8  
Table 7.3-14(2)/7.3-15  
Page 7.4-9/7.4-10  
Page 7.5-5/7.5-6  
Page 7.7-17/7.7-18  
---  
Page 8.1-21/8.1-22  
Page 8.2-1/8.2-2  
Page 8.3-9/8.3-10  
Page 8.3-19 thru 8.3-22  
Page 8.3-25/8.3-26  
---  
Page 8.3-33/8.3-34  
Table 8.3-4 shts 6 thru 9  
Figure 8.3-1(2)/-  
Figure 8.3-2/-  
Figure 8.3-4/-  
Figure 8.3-5/-  
Figure 8.3-7/-  
Pages 9.1-27 thru 9.1-32  
Pages 9.1-35 thru 9.1-38  
Page 9.1-43/9.1-44  
Page 9.1-47/9.1-48  
Table 9.1-6/9.1-7  
Figure 9.1-3 (1)/-  
Figure 9.1-10/-  
Figure 9.1-12/-

Pages 7.1-11/7.1-14  
Table 7.1-3(3)/7.1-3(4)  
Table 7.1-7(2)/7.1-7(3)  
Page 7.2-9/7.2-10  
Page 7.2-19/7.2-20  
Pages 7.2-25 thru 7.2-28  
Pages 7.2-37 thru 7.2-39  
Table 7.2-1/7.2-1(2)  
Table 7.2-3(2)/7.2-4  
Figure 7.2-1(13)/-  
Figure 7.2-1(14)/-  
Pages 7.3-23 thru 7.3-26  
Page 7.3-29/7.3-29a  
Page 7.3-30/-  
Pages 7.3-33 thru 7.3-38  
Pages 7.3-51 thru 7.3-56  
Table 7.3-7/7.3-8  
Table 7.3-14(2)/7.3-15  
Page 7.4-9/7.4-10  
Page 7.5-5/7.5-6  
Page 7.7-17/7.7-18  
Page 7.7-18a/-  
Page 8.1-21/8.1-22  
Page 8.2-1/8.2-2  
Page 8.3-9/8.3-10  
Page 8.3-19 thru 8.3-22  
Page 8.3-25/8.3-26  
Page 8.3-26a/-  
Page 8.3-33/8.3-34  
Table 8.3-4 shts 6 thru 9  
Figure 8.3-1(2)/-  
Figure 8.3-2/-  
Figure 8.3-4/-  
Figure 8.3-5/-  
Figure 8.3-7/-  
Pages 9.1-27 thru 9.1-32a  
Pages 9.1-35 thru 9.1-38  
Page 9.1-43/9.1-44  
Page 9.1-47/9.1-48  
Table 9.1-6/9.1-7  
Figure 9.1-3(1)/-  
Figure 9.1-10/-  
Figure 9.1-12/-

**REMOVE**

Pages 9.2-3 thru 9.2-7a  
Page 9.2-13/9.2-14  
Page 9.2-21/9.2-22  
Pages 9.2-25 thru 9.2-28  
Table 9.2-3(3)/9.2-4  
Table 9.2-4(2)/9.2-4(3)  
Table 9.2-7/9.2-7(2)  
Table 9.2-8/9.2-8(2)  
Table 9.2-9/9.2-9(2)  
Table 9.2-21/-  
Figure 9.2-1 shts 1 & 2  
Figure 9.2-2 shts 1 thru 3  
Figure 9.2-3 shts 2 & 3  
Figure 9.2-4/-  
Figure 9.2-5 shts 1 & 2  
Figure 9.2-13/-  
Figure 9.2-14/-  
Pages 9.3-7 thru 9.3-10  
Page 9.3-19/9.3-20  
Pages 9.3-45 thru 9.3-48  
Pages 9.3-53 thru 9.3-54a  
Table 9.3-9(5)/9.3-9(6)  
Figure 9.3-1 shts 1 & 2  
Figure 9.3-1 shts 4, 5, 6, 8 & 9  
Figure 9.3-2(1)/-  
Figure 9.3-4 shts 1 thru 3  
Figure 9.3-5 shts 3, 6, 7, 11, 13, & 16  
Figure 9.3-6(1)/-  
Figure 9.3-8 shts 1 thru 5  
Figure 9.3-11 shts 1 thru 3  
Page 9.4-29/9.4-30  
Page 9.4-89/9.4-90  
Table 9.4-8(4)/9.4-9(5)  
Figure 9.4-1 shts 2 & 3  
Figure 9.4-2(2)/-  
Figure 9.4-3 shts 3 thru 5  
Figure 9.4-4(3)/-  
Figure 9.4-5(2)/-  
Figure 9.4-6(4)/-  
Figure 9.4-9(1)/-  
Figure 9.4-10/-

**VOLUME 7-SP**

**INSERT**

Pages 9.2-3 thru 9.2-7a  
Page 9.2-13/9.2-14  
Page 9.2-21/9.2-22  
Pages 9.2-25 thru 9.2-28  
Table 9.2-3(3)/9.2-4  
Table 9.2-4(2)/9.2-4(3)  
Table 9.2-7/9.2-7(2)  
Table 9.2-8/9.2-8(2)  
Table 9.2-9/9.2-9(2)  
Table 9.2-21/-  
Figure 9.2-1 shts 1 & 2  
Figure 9.2-2 shts 1 thru 3  
Figure 9.2-3 shts 2 & 3  
Figure 9.2-4/-  
Figure 9.2-5 shts 1 & 2  
Figure 9.2-13/-  
Figure 9.2-14/-  
Pages 9.3-7 thru 9.3-10  
Page 9.3-19/9.3-20  
Pages 9.3-45 thru 9.3-48  
Pages 9.3-53 thru 9.3-54a  
Table 9.3-9(5)/9.3-9(6)  
Figure 9.3-1 shts 1 & 2  
Figure 9.3-1 shts 4, 5, 6, 8 & 9  
Figure 9.3-2(1)/-  
Figure 9.3-4 shts 1 thru 3  
Figure 9.3-5 shts 3, 6, 7, 11, 13 & 16  
Figure 9.3-6(1)/-  
Figure 9.3-8 shts 1 thru 5  
Figure 9.3-11 shts 1 thru 3  
Page 9.4-29/9.4-30  
Page 9.4-89/9.4-90  
Table 9.4-8(4)/9.4-8(5)  
Figure 9.4-1 shts 2 & 3  
Figure 9.4-2(2)/-  
Figure 9.4-3 shts 3 thru 5  
Figure 9.4-4(3)/-  
Figure 9.4-5(2)/-  
Figure 9.4-6(4)/-  
Figure 9.4-9(1)/-  
Figure 9.4-10/-

**VOLUME 8-SP**

Page 9.5.1-9/9.5.1-10  
Pages 9.5.1-29 thru 9.5.3-1  
Figure 9.5.1-1 shts 2, 3, & 5  
Figure 9.5.1-2 shts 1 thru 4  
Figure 9.5.4-1/-

Page 9.5.1-9/9.5.1-10  
Pages 9.5.1-29 thru 9.5.3-1  
Figure 9.5.1-1 shts 2, 3, & 5  
Figure 9.5.1-2 shts 1 thru 7  
Figure 9.5.4-1/-

REMOVE

VOLUME 8-SP Cont'd

Figure 9.5.5-1 shts 1 & 2  
Figure 9.5.6-1(2)/-  
Figure 9.5.7-1 shts 1 & 2  
Figure 9.5.9-1(3)/-  
Page 9.5A-0 thru 9.5A-26  
Page 9.5B-1/9.5B-2  
Page 9.5B-9/9.5B-10  
Pages 9.5B-15 thru 9.5B-18  
Pages 9.5B-21 thru 9.5B-24  
Pages 9.5B-49 thru 9.5B-52  
Page 9.5B-55/9.5B-56  
Page 9.5B-69/9.5B-70  
Page 9.5B-81/9.5B-82  
Pages 9.5B-89 thru 9.5B-92  
Page 9.5B-115/9.5B-116  
---  
Pages 9.5B-177 thru 9.5B-184  
Pages 9.5B-203 thru 9.5B-208  
Table 9.5B-2(5)/9.5B-2(6)  
Page 10.0-vii/10.0-viii  
Page 10.2-7/10.2-8  
---  
Figure 10.2-1 shts 3, 5, 8 thru 11  
Page 10.3-9/10.3-10  
Figure 10.3-1 shts 1 thru 4  
Page 10.4-9/10.4-10  
Page 10.4-15/10.4-16  
Pages 10.4-19 thru 10.4-24  
Pages 10.4-27 thru 10.4-30  
Pages 10.4-33 thru 10.4-36  
Pages 10.4-41 thru 10.4-44  
Page 10.4-47/10.4-48  
Table 10.4-4(3)/10.4-5  
Table 10.4-6/10.4-7  
Table 10.4-11/10.4-12  
Figure 10.4-1(1)/-  
Figure 10.4-2 shts 1 thru 4  
Figure 10.4-2 shts 7 & 8  
Figure 10.4-3(1)/-  
Figure 10.4-6 shts 1 thru 6, 9 & 11  
Figure 10.4-7(2)/-  
Figure 10.4-8 shts 1 & 2  
Figure 10.4-10/-  
Figure 10.4-11/-  
Figure 10.4-12 shts 1 thru 3, & 5

INSERT

Figure 9.5.5-1 shts 1 & 2  
Figure 9.5.6-1(2)/-  
Figure 9.5.7-1 shts 1 & 2  
Figure 9.5.9-1(3)/-  
Page 9.5A-0 thru 9.5A-26  
Page 9.5B-1/9.5B-2  
Page 9.5B-9/9.5B-10  
Pages 9.5B-15 thru 9.5B-18  
Pages 9.5B-21 thru 9.5B-24  
Pages 9.5B-49 THRU 9.5B-52  
Page 9.5B-55/9.5B-56  
Page 9.5B-69/9.5B-70  
Page 9.5B-81/9.5B-82  
Pages 9.5B-89 thru 9.5B-92  
Page 9.5B-115/9.5B-116  
Page 9.5B-116a/-  
Pages 9.5B-177 thru 9.5B-184  
Pages 9.5B-203 thru 9.5B-208  
Table 9.5B-2(5)/9.5B-2(6)  
Page 10.0-vii/10.0-viii  
Page 10.2-7/10.2-8  
Page 10.2-8a/-  
Figure 10.2-1 shts 3, 5, 8 thru 11  
Page 10.3-9/10.3-10  
Figure 10.3-1 shts 1 thru 4  
Page 10.4-9/10.4-10  
Page 10.4-15/10.4-16  
Pages 10.4-19 thru 10.4-24  
Pages 10.4-27 thru 10.4-30  
Pages 10.4-33 thru 10.4-36  
Pages 10.4-41 thru 10.4-44  
Page 10.4-47/10.4-48  
Table 10.4-4(3)/10.4-5  
Table 10.4-6/10.4-7  
Table 10.4-11/10.4-12  
Figure 10.4-1(1)/-  
Figure 10.4-2 shts 1 thru 4  
Figure 10.4-2 shts 7 & 8  
Figure 10.4-3(1)/-  
Figure 10.4-6 shts 1 thru 6, 9 & 11  
Figure 10.4-7(2)/-  
Figure 10.4-8 shts 1 & 2  
Figure 10.4-10/-  
Figure 10.4-11/-  
Figure 10.4-12 shts 1 thru 3, & 5

REMOVE

Figure 11.2-1 shts 2 thru 5  
Pages 11.3-3 thru 11.3-6  
Page 11.3-9/11.3-10  
Figure 11.3-1(1)/-  
Figure 11.4-1 shts 1 & 3  
Page 11.5-7/11.5-8  
Table 11.5-1/11.5-1(2)  
Table 11.5-2/11.5-3  
Table 11.5-3(2)/11.5-4  
Table 12.3-1/12.3-2  
Table 12.3-3/12.3-3(2)  
Table 12.3-3(3)/-  
Figure 12.3-2 shts 2 thru 4  
Figure 12.3-4/-

VOLUME 9-SP

INSERT

Figure 11.2-1 shts 2 thru 5  
Pages 11.3-3 thru 11.3-6  
Page 11.3-9/11.3-10  
Figure 11.3-1(1)/-  
Figure 11.4-1 shts 1 & 3  
Page 11.5-7/11.5-8  
Table 11.5-1/11.5-1(2)  
Table 11.5-2/11.5-3  
Table 11.5-3(2)/11.5-4  
Table 12.3-1/12.3-2  
Table 12.3-3/12.3-3(2)  
Table 12.3-3(3)/-  
Figure 12.3-2 shts 2 thru 4  
Figure 12.3-4/-

VOLUME 10-SP

Page 15.0-xiii/15.0-xiv  
Page 15.0-5/15.0-6  
Page 15.0-9/15.0-10  
Page 15.0-15/15.0-15a  
Page 15.0-19/15.0-20  
Table 15.0-1/15.0-2  
Table 15.0-2(2)/15.0-2(3)  
Table 15.0-2(6)/15.0-3  
Table 15.0-4/15.0-4(2)  
Table 15.0-6/15.0-6(2)  
Table 15.0-6(5)/15.0-7  
Pages 15.1-1 thru 15.1-6  
Page 15.1-9/15.1-10  
Page 15.1-13/15.1-14  
---  
Page 15.1-17/15.1-18  
Table 15.1-1/15.1-1(2)  
Table 15.1-2/15.1-2(2)  
Figure 15.1-1/15.1-2  
---  
Page 15.2-26/15.2-27  
---  
Page 15.4-5/15.4-6  
Page 15.4-29/15.4-30  
Page 15.6-21 thru 15.6-26  
Page 15.6-33/15.6-34  
Table 15.6-8/15.6-9  
Table 15.6-11/-  
Table 15.6-12/15.6-13  
Table 15.6-13(2)/15.6-14  
Table 15.6-15/15.6-16  
Figure 15.6-7/15.6-8

Page 15.0-xiii/15.0-xiv  
Page 15.0-5/15.0-6  
Page 15.0-9/15.0-10  
Page 15.0-15/15.0-15a  
Page 15.0-19/15.0-20  
Table 15.0-1/15.0-2  
Table 15.0-2(2)/15.0-2(3)  
Table 15.0-2(6)/15.0-3  
Table 15.0-4/15.0-4(2)  
Table 15.0-6/15.0-6(2)  
Table 15.0-6(5)/15.0-7  
Pages 15.1-1 thru 15.1-6  
Page 15.1-9/15.1-10  
Page 15.1-13/15.1-14  
Page 15.1-14a/-  
Page 15.1-17/15.1-18  
Table 15.1-1/15.1-1(2)  
Table 15.1-2/15.1-2(2)  
Figure 15.1-1/15.1-1A  
Figure 15.1-2/15.1-2A  
Page 15.2-26/15.2-27  
Page 15.2-27a/-  
Page 15.4-5/15.4-6  
Page 15.4-29/15.4-30  
Page 15.6-21 thru 15.6-26a  
Page 15.6-33/15.6-34  
Table 15.6-8/15.6-9  
Table 15.6-11/-  
Table 15.6-12/15.6-13  
Table 15.6-13(2)/15.6-14  
Table 15.6-15/15.6-16  
Figure 15.6-7/15.6-8

REMOVE

INSERT

VOLUME 10-SP Cont'd

Figure 15.6-11/15.6-12  
Figure 15.6-15/15.6-16  
Figure 15.6-19/15.6-20  
Figure 15.6-23/15.6-24  
Figure 15.6-25/15.6-26  
Figure 15.6-29/15.6-30  
Figure 15.6-33/15.6-34  
Figure 15.6-37/15.6-38  
Figures 15.6-41 thru 15.6-44  
Figures 15.6-51 thru 15.6-54  
Figures 15.6-57 thru 15.6-60  
Table 16.0-1/16.0-2  
Page 16.1-1/16.1-2  
---  
Page 16.3-7/16.3-8  
---  
Table 16.3-1/16.3-1(cont)  
Table 16.3-2(cont)/16.3-2(cont)  
Table 16.3-7/16.3-8  
Page 16.4-7/16.4-8  
Pages 16.6-1 thru 16.6-4  
Page 16.6-7/16.6-8  
---  
Table 16.6-1/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Page 16.7-3/16.7-4  
Page 16.8-1/16.8-2  
Pages 16.9-1 thru 16.9-4  
Page 16.10-1/-  
Page 16.11-23/16.11-24  
---  
Table 16.11-3(2)/16.11-4  
Table 16.11-4(2)/16.11-4(3)  
Table 16.11-5/16.11-5(cont)  
---  
---  
Table 16.11-6/16.11-6(cont)  
---  
Page 18.1-7/18.1-8  
Page 18.2-45/18.2-46  
Table 18.2-2/18.2-2(2)  
Table 18.2-2(3)/18.2-3  
Figure 18.2-6/-  
Figure 18.2-15/-  
Page 18.3-7/18.3-8

Figure 15.6-11/15.6-12  
Figure 15.6-15/15.6-16  
Figure 15.6-19/15.6-20  
Figure 15.6-23/15.6-24  
Figure 15.6-25/15.6-26  
Figure 15.6-29/15.6-30  
Figure 15.6-33/15.6-34  
Figure 15.6-37/15.6-38  
Figures 15.6-41 thru 15.6-44  
Figures 15.6-51 thru 15.6-54  
Figures 15.6-57 thru 15.6-60  
Table 16.0-1/16.0-2  
Page 16.1-1/16.1-2  
Page 16.1-2a/16.1-2b  
Page 16.3-7/16.3-7a  
Page 16.3-8/-  
Table 16.3-1/16.3-1(cont)  
Table 16.3-2(cont)/16.3-2(cont)  
Table 16.3-7/16.3-8  
Page 16.4-7/16.4-8  
Pages 16.6-1 thru 16.6-4  
Page 16.6-7/16.6-8  
Page 16.6-8a  
Table 16.6-1/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Table 16.6-1(cont)/16.6-1(cont)  
Page 16.7-3/16.7-4  
Page 16.8-1/16.8-2  
Pages 16.9-1 thru 16.9-4  
Page 16.10-1/-  
Page 16.11-23/16.11.24  
Page 16.11-24a  
Table 16.11-3(2)/16.11-4  
Table 16.11-4(2)/16.11-4(3)  
Table 16.11-4(4)/16.11-5  
Table 16.11-5(2)/16.11-5(3)  
Table 16.11-5(4)/-  
Table 16.11-6/16.11-6(2)  
Table 16.11-6(3)/-  
Page 18.1-7/18.1-8  
Page 18.2-45/18.2-46  
Table 18.2-2/18.2-2(2)  
Table 18.2-2(3)/18.2-3  
Figure 18.2-6/-  
Figure 18.2-15/-  
Page 18.3-7/18.3-8

REMOVE

Table 420.4-1(9)/420.4-2  
Table 420.4-2(2)/420.4-2(3)  
Table 420.4-3/420.4-3(2)  
Figure 430.38-1/-  
Pages 450-23 thru 450-28

VOLUME 11-SP

INSERT

Table 420.4-1(9)/420.4-2  
Table 420.4-2(2)/420.4-2(3)  
Table 420.4-3/420.4-3(2)  
Figure 430.38-1/-  
Pages 450-23 thru 450-28