



SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

MPC&D 96-150

October 14, 1996

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Docket No. 50-312
Rancho Seco Nuclear Station
License No. DPR-54

**AMENDMENT 2 TO THE RANCHO SECO DEFUELED SAFETY
ANALYSIS REPORT**

Reference 1: R. Dudley (NRC) to J. Shetler (NRC) letter dated March 20,
1995, Order Approving the Decommissioning Plan and
Authorizing Decommissioning of Rancho Seco Nuclear Station
(TAC No. M80518)

Attention: Seymour Weiss

In accordance with Reference 1, the District submits Amendment 2 to the
Rancho Seco Defueled Safety Analysis Report (DSAR). DSAR Amendment 2
represents the updated licensing basis for operation of the shutdown Rancho
Seco nuclear facility during the Permanently Defueled Mode (PDM). The
updated DSAR reflects the NRC orders, facility license amendments, and facility
changes, permitted pursuant to 10 CFR 50.59, that the District implemented at
Rancho Seco at least through May 1996.

The DSAR provides a Safety Analysis Report that defines the design basis for
long-term safe storage and handling of irradiated fuel assemblies at Rancho
Seco. The DSAR provides assurance, based on the spent fuel storage and
handling systems and components, and administrative controls and programs
described within the DSAR, that no undue risk to the public health and safety
will occur during normal PDM operations and credible postulated accident
conditions.

11
AW

9610280047 961014
PDR ADOCK 05000312
K PDR

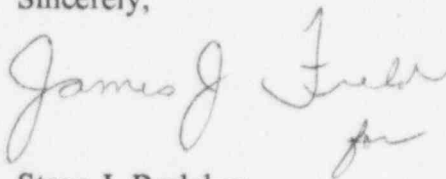
Enclosed is the DSAR Amendment 2 updated List of Effective Pages, the revised Table of Contents, the changed figures, and the affected DSAR pages, including the affected pre-chapter index pages.

The area of DSAR text that actually changed is indicated with a vertical line in the right hand margin of the affected DSAR pages. Also, "Amendment 2" is typed at the bottom right of each changed DSAR page.

Attached is the Removal/Insertion instructions for DSAR Amendment 2. Because (1) the DSAR is maintained as a two-sided document and (2) several DSAR Amendment 2 changes caused DSAR information to shift in many DSAR sections, many more pages than just the Amendment 2 changed text pages are included in the DSAR Amendment 2 package. This ensures (1) the continuity of existing DSAR information is maintained and (2) the controlled DSAR manuals may be easily and accurately updated.

Members of your staff requiring additional information or clarification may contact Richard Mannheimer at (916) 452-3211, extension 4916.

Sincerely,



Steve J. Redeker
Manager
Plant Closure & Decommissioning

Enclosure

cc w/atch: L. J. Callan, NRC, Arlington, Texas
R. Dudley, NRC, Rockville, MD

DSAR AMENDMENT 2 REMOVAL/INSERTION INSTRUCTIONS

From DSAR Amendment 1

REMOVE

List of Effective Pages
DSAR Table of Contents
Chapter 1 Index Pages 1-i to 1-vii
Chapter 1 Pages 1.1-1 and 1.1-2
Chapter 1 Pages 1.5-4 to 1.5-19
Chapter 1 Pages 1.6-7 to 1.10-1
Chapter 1 Figure 1.1-2
Chapter 1 Figure 1.1-3
Chapter 2 Index Pages 2-i to 2-iv
Chapter 2 Pages 2.1-1 to 2.2-3
Chapter 2 Pages 2.2-6 to 2.2-11
Chapter 2 Figure 2.2-2
Chapter 5 Index Pages 5-i to 5-vi
Chapter 5 Pages 5.1-1 to 5.4-5
Chapter 7 Pages 7.4-5 and 7.4-6
Chapter 8 Figure 8.2-2
Chapter 9 Index Pages 9-iii and 9-iv
Chapter 9 Pages 9.5-8 to 9.5-15
Chapter 9 Pages 9.6-3 to 9.6-8
Chapter 9 Pages 9.6-11 to 9.9-1
Chapter 11 Index Pages 11-i and 11-ii
Chapter 11 Index Pages 11-v and 11-vi
Chapter 11 Pages 11.1-1 and 11.1-2
Chapter 11 Pages 11.2-13 and 11.2-14
Chapter 11 Pages 11.5-11 and 11.6-1
Chapter 11 Pages 11.8-7 to 11.11-1
Chapter 12 Index Pages 12-iii and 12-iv
Chapter 12 Pages 12.1-1 to 12.4-1
Chapter 12 Figure 12.1-1
Chapter 12 Figure 12.1-2
Chapter 14 Index Pages 14-i and 14-ii
Chapter 14 Pages 14.1-1 to 14.2-1

From DSAR Amendment 2 Package

INSERT

List of Effective Pages
DSAR Table of Contents
Chapter 1 Index Pages 1-i to 1-vii
Chapter 1 Pages 1.1-1 and 1.1-2
Chapter 1 Pages 1.5-4 to 1.5-19
Chapter 1 Pages 1.6-7 to 1.10-1
Chapter 1 Figure 1.1-2
-----Nothing-----
Chapter 2 Index Pages 2-i to 2-iv
Chapter 2 Pages 2.1-1 to 2.2-3
Chapter 2 Pages 2.2-6 to 2.2-11
Chapter 2 Figure 2.2-2
Chapter 5 Index Pages 5-i to 5-vi
Chapter 5 Pages 5.1-1 to 5.4-5
Chapter 7 Pages 7.4-5 and 7.4-6
Chapter 8 Figure 8.2-2
Chapter 9 Index Pages 9-iii and 9-iv
Chapter 9 Pages 9.5-8 to 9.5-15
Chapter 9 Pages 9.6-3 to 9.6-8
Chapter 9 Pages 9.6-11 to 9.9-1
Chapter 11 Index Pages 11-i and 11-ii
Chapter 11 Index Pages 11-v and 11-vi
Chapter 11 Pages 11.1-1 and 11.1-2
Chapter 11 Pages 11.2-13 and 11.2-14
Chapter 11 Pages 11.5-11 and 11.6-1
Chapter 11 Pages 11.8-7 to 11.11-1
Chapter 12 Index Pages 12-iii and 12-iv
Chapter 12 Pages 12.1-1 to 12.4-1
Chapter 12 Figure 12.1-1
-----Nothing-----
Chapter 14 Index Pages 14-i and 14-ii
Chapter 14 Pages 14.1-1 to 14.2-1

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

No. 5907

State of California

County of Sacramento

On October 14, 1996, before me, Sharon Rosenberger, Notary Public
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared James J. Field-----
NAME(S) OF SIGNER(S)

☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Sharon Rosenberger
SIGNATURE OF NOTARY

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- ☐ INDIVIDUAL
☐ CORPORATE OFFICER

TITLE(S)

- ☐ PARTNER(S) ☐ LIMITED
☐ GENERAL
☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER: _____

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

DESCRIPTION OF ATTACHED DOCUMENT

TITLE OR TYPE OF DOCUMENT

NUMBER OF PAGES

DATE OF DOCUMENT

SIGNER(S) OTHER THAN NAMED ABOVE

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure Number

Issue No. :

i	Amendment 1
ii	Amendment 2
iii	Amendment 2
iv	Amendment 2
v	Original
vi	Amendment 2
vii	Amendment 2
viii	Original
ix	Amendment 2
x	Amendment 2
xi	Original
xii	Original
xiii	Original
xiv	Amendment 1
xv	Amendment 1
xvi	Amendment 1
xvii	Amendment 2
xviii	Amendment 2
xix	Amendment 2
xx	Amendment 1
xxi	Amendment 1
xxii	Amendment 1
xxiii	Amendment 1
xxiv	Amendment 1
xxv	Amendment 1
xxvi	Amendment 1
xxvii	Amendment 2
1-i	Amendment 2
1-ii	Amendment 2
1-iii	Amendment 2
1-iv	Amendment 2
1-v	Amendment 1
1-vi	Original
1-vii	Amendment 2
1.1-1	Amendment 2
1.1-2	Amendment 2
1.2-1	Original
1.2-2	Original
1.2-3	Original
1.2-4	Original
1.2-5	Original
1.2-6	Original
1.2-7	Original
1.3-1	Original
1.4-1	Original
1.5-1	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

1.5-2	Original
1.5-3	Amendment 1
1.5-4	Amendment 2
1.5-5	Amendment 2
1.5-6	Original
1.5-7	Original
1.5-8	Original
1.5-9	Original
1.5-10	Original
1.5-11	Original
1.5-12	Original
1.5-13	Amendment 1
1.5-14	Amendment 1
1.5-15	Original
1.5-16	Original
1.5-17	Original
1.5-18	Amendment 2
1.5-19	Added (Amendment 1)
1.6-1	Original
1.6-2	Original
1.6-3	Amendment 1
1.6-4	Original
1.6-5	Original
1.6-6	Original
1.6-7	Amendment 2
1.6-8	Added (Amendment 2)
1.7-1	Original
1.8-1	Original
1.9-1	Original
1.10-1	Amendment 2
Figure 1.1-1	Original
Figure 1.1-2	Amendment 2
Figure 1.1-3	Deleted (Amendment 2)
2-i	Amendment 2
2-ii	Original
2-iii	Original
2-iv	Amendment 2
2.1-1	Original
2.2-1	Amendment 2
2.2-2	Original
2.2-3	Original
2.2-4	Original
2.2-5	Original
2.2-6	Original
2.2-7	Original
2.2-8	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

2.2-9	Original
2.2-10	Original
2.2-11	Original
2.3-1	Original
2.4-1	Original
2.4-2	Original
2.4-3	Original
2.4-4	Original
2.5-1	Original
2.6-1	Original
2.7-1	Original
2.8-1	Original
2.9-1	Original
Figure 2.2-1	Original
Figure 2.2-2	Amendment 2
Figure 2.2-3	Original
Figure 2.2-4	Original
Figure 2.4-1	Original
3-i	Original
3.1-1	Original
3.1-2	Original
3.2-1	Original
3.3-1	Original
3.4-1	Original
4-i	Original
4.1-1	Original
4.2-1	Original
4.2-2	Original
4.3-1	Original
4.4-1	Original
4.5-1	Original
5-i	Amendment 2
5-ii	Amendment 2
5-iii	Original
5-iv	Original
5-v	Original
5-vi	Original
5-vii	Original
5.1-1	Original
5.1-2	Amendment 2
5.1-3	Original
5.1-4	Original
5.1-5	Original
5.1-6	Original
5.1-7	Original
5.1-8	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure Number

Issue No. :

5.1-9	Original
5.1-10	Original
5.1-11	Original
5.1-12	Original
5.1-13	Original
5.1-14	Original
5.1-15	Original
5.1-16	Original
5.1-17	Original
5.2-1	Original
5.3-1	Original
5.3-2	Original
5.3-3	Original
5.4-1	Amendment 2
5.4-2	Original
5.4-3	Original
5.4-4	Original
5.4-5	Original
5.5-1	Original
5.5-2	Original
5.5-3	Original
5.5-4	Original
5.5-5	Original
5.5-6	Original
5.5-7	Original
5.5-8	Original
5.5-9	Original
5.5-10	Original
5.6-1	Original
5.6-2	Original
5.6-3	Original
5.6-4	Original
5.6-5	Original
5.6-6	Original
5.6-7	Original
5.6-8	Original
5.6-9	Original
5.6-10	Original
5.6-11	Original
5.6-12	Original
5.6-13	Original
5.6-14	Original
5.6-15	Original
5.6-16	Original
5.6-17	Original
5.6-18	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

5.6-19	Original
5.7-1	Original
5.8-1	Original
Figure 5.1-1	Original
Figure 5.1-2	Original
Figure 5.1-3	Original
Figure 5.1-4	Original
Figure 5.1-5	Original
Figure 5.3-1	Original
Figure 5.4-1	Original
6-i	Original
6.1-1	Original
6.2-1	Original
6.3-1	Original
6.4-1	Original
7-i	Amendment 1
7-ii	Original
7-iii	Original
7.1-1	Amendment 1
7.1-2	Amendment 1
7.2-1	Original
7.3-1	Amendment 1
7.4-1	Original
7.4-2	Original
7.4-3	Original
7.4-4	Amendment 1
7.4-5	Amendment 2
7.4-6	Original
7.4-7	Amendment 1
7.4-8	Amendment 1
7.4-9	Amendment 1
7.4-10	Amendment 1
7.4-11	Original
7.4-12	Original
7.4-13	Added (Amendment 1)
7.5-1	Original
Figure 7.4-1	Amendment 1
8-i	Amendment 1
8-ii	Original
8-iii	Added (Amendment 1)
8.1-1	Original
8.2-1	Original
8.2-2	Original
8.2-3	Amendment 1
8.2-4	Amendment 1
8.2-5	Amendment 1
8.2-6	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

8.2-7	Original
8.2-8	Original
8.2-9	Added (Amendment 1)
8.3-1	Original
8.4-1	Original
Figure 8.2-1	Original
Figure 8.2-2	Amendment 2
Figure 8.2-3	Original
9-i	Amendment 1
9-ii	Amendment 1
9-iii	Amendment 2
9-iv	Amendment 1
9-v	Amendment 1
9-vi	Amendment 1
9.1-1	Amendment 1
9.1-2	Amendment 1
9.2-1	Amendment 1
9.2-2	Amendment 1
9.2-3	Amendment 1
9.2-4	Amendment 1
9.2-5	Amendment 1
9.2-6	Amendment 1
9.2-7	Removed (Amendment 1)
9.2-8	Removed (Amendment 1)
9.2-9	Removed (Amendment 1)
9.2-10	Removed (Amendment 1)
9.2-11	Removed (Amendment 1)
9.2-12	Removed (Amendment 1)
9.3-1	Amendment 1
9.3-2	Removed (Amendment 1)
9.3-3	Removed (Amendment 1)
9.4-1	Amendment 1
9.4-2	Original
9.4-3	Amendment 1
9.4-4	Amendment 1
9.4-5	Original
9.4-6	Original
9.4-7	Removed (Amendment 1)
9.5-1	Original
9.5-2	Original
9.5-3	Amendment 1
9.5-4	Original
9.5-5	Original
9.5-6	Original
9.5-7	Original
9.5-8	Amendment 1

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

9.5-9	Amendment 2
9.5-10	Amendment 1
9.5-11	Original
9.5-12	Original
9.5-13	Original
9.5-14	Original
9.5-15	Added (Amendment 1)
9.6-1	Original
9.6-2	Original
9.6-3	Original
9.6-4	Amendment 2
9.6-5	Original
9.6-6	Original
9.6-7	Original
9.6-8	Amendment 2
9.6-9	Amendment 1
9.6-10	Amendment 1
9.6-11	Amendment 2
9.6-12	Added (Amendment 2)
9.7-1	Amendment 2
9.7-2	Added (Amendment 2)
9.8-1	Amendment 1
9.8-2	Amendment 2
9.9-1	Amendment 2
Figure 9.1-1	Amendment 1
Figure 9.2-1	Removed (Amendment 1)
Figure 9.2-2	Removed (Amendment 1)
Figure 9.2-3	Removed (Amendment 1)
Figure 9.2-4	Original
Figure 9.2-5	Original
Figure 9.2-6	Original
Figure 9.3-1, Sheet 1	Removed (Amendment 1)
Figure 9.3-1, Sheet 2	Removed (Amendment 1)
Figure 9.4-1	Amendment 1
Figure 9.5-1	Amendment 1
Figure 9.5-2	Amendment 1
Figure 9.5-3	Original
Figure 9.5-4	Original
Figure 9.5-5	Original
Figure 9.5-6	Amendment 1
Figure 9.5-7	Original
Figure 9.5-8	Original
Figure 9.5-9	Original
Figure 9.5-10, Sheet 1	Original
Figure 9.5-10, Sheet 2	Original
Figure 9.5-11	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

Figure 9.6-1	Original
Figure 9.6-2	Original
10-i	Original
10.1-1	Original
10.2-1	Original
11-i	Amendment 2
11-ii	Amendment 1
11-iii	Amendment 1
11-iv	Amendment 1
11-v	Amendment 1
11-vi	Amendment 2
11-vii	Original
11.1-1	Amendment 2
11.1-2	Amendment 2
11.2-1	Amendment 1
11.2-2	Amendment 1
11.2-3	Amendment 1
11.2-4	Amendment 1
11.2-5	Original
11.2-6	Original
11.2-7	Original
11.2-8	Original
11.2-9	Amendment 1
11.2-10	Original
11.2-11	Amendment 1
11.2-12	Amendment 1
11.2-13	Original
11.2-14	Amendment 2
11.2-15	Amendment 1
11.2-16	Original
11.2-17	Original
11.2-18	Amendment 1
11.2-19	Original
11.2-20	Original
11.2-21	Original
11.2-22	Added (Amendment 1)
11.3-1	Original
11.3-2	Original
11.3-3	Original
11.3-4	Original
11.3-5	Original
11.4-1	Original
11.4-2	Original
11.4-3	Original
11.4-4	Original
11.4-5	Original

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure NumberIssue No. :

11.5-1	Original
11.5-2	Original
11.5-3	Original
11.5-4	Original
11.5-5	Original
11.5-6	Original
11.5-7	Original
11.5-8	Original
11.5-9	Original
11.5-10	Original
11.5-11	Amendment 2
11.6-1	Amendment 1
11.6-2	Amendment 1
11.6-3	Amendment 1
11.6-4	Amendment 1
11.7-1	Original
11.8-1	Original
11.8-2	Original
11.8-3	Original
11.8-4	Original
11.8-5	Original
11.8-6	Original
11.8-7	Original
11.8-8	Amendment 2
11.8-9	Amendment 2
11.8-10	Amendment 1
11.8-11	Original
11.8-12	Original
11.8-13	Deleted (Amendment 2)
11.9-1	Amendment 1
11.9-2	Amendment 1
11.10-1	Amendment 1
11.10-2	Amendment 1
11.10-3	Amendment 1
11.10-4	Amendment 1
11.10-5	Amendment 1
11.10-6	Amendment 1
11.11-1	Amendment 2
Figure 11.2-1, Sheet 1	Amendment 1
Figure 11.2-1, Sheet 2	Original
Figure 11.2-1, Sheet 3	Amendment 1
12-i	Amendment 1
12-ii	Amendment 1
12-iii	Amendment 1
12-iv	Amendment 2
12.1-1	Amendment 2

LIST OF EFFECTIVE PAGES

Docket No. 50-312

October 1996

Amendment 2

Page or Figure Number

Issue No. :

12.1-2	Amendment 2
12.1-3	Amendment 2
12.1-4	Amendment 2
12.1-5	Amendment 2
12.1-6	Amendment 2
12.1-7	Amendment 1
12.1-8	Added (Amendment 1)
12.1-9	Added (Amendment 2)
12.2-1	Amendment 2
12.2-2	Original
12.2-3	Original
12.2-4	Original
12.2-5	Amendment 2
12.2-6	Amendment 2
12.2-7	Amendment 1
12.2-8	Added (Amendment 1)
12.3-1	Original
12.4-1	Amendment 2
12.5-1	Original
12.5-2	Original
12.5-3	Original
12.5-4	Original
12.5-5	Original
12.5-6	Original
12.5-7	Original
12.5-8	Original
12.5-9	Original
12.5-10	Added (Amendment 1)
12.6-1	Original
12.7-1	Original
12.7-2	Original
12.8-1	Original
Figure 12.1-1	Amendment 2
Figure 12.1-2	Deleted (Amendment 2)
13-i	Original
13.1-1	Original
14-i	Amendment 2
14-ii	Original
14.1-1	Amendment 2
14.1-2	Amendment 2
14.1-3	Amendment 2
14.1-4	Amendment 1
14.2-1	Amendment 2