

**SMUD**

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

RJR 85-588

December 18, 1985

J B MARTIN REGIONAL ADMINISTRATOR
REGION V OFFICE OF INSPECTION AND ENFORCEMENT
ATTENTION DOCUMENT CONTROL DESK
U S NUCLEAR REGULATORY COMMISSION
WASHINGTON D C 20555

DOCKET NO. 50-312
LICENSE NO. DPR-54
SPECIAL REPORT NUMBER 85-14, FIRE BARRIERS

The Sacramento Municipal Utility District hereby submits Special Report 85-14 in accordance with Rancho Seco Nuclear Generating Station Technical Specifications, Section 3.14.6.2 and 6.9.5E. This report provides an updated list (attached) of nonfunctional fire barriers reported in our November 31, 1985 Special Report 85-13, and identifies any nonfunctional fire barriers detected or created since that report which were not restored to functional status within seven (7) days.

The District has evaluated each nonfunctional fire barrier against the requirements of Technical Specification 3.14.6 and has verified that the appropriate fire watch has been established.

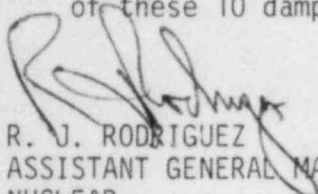
An updated status for each penetration program area is given in the following. The work scope for each area was described in Special Report No. 85-11.

1. Electrical Penetrations - The work identified in Special Report No. 85-11 as scheduled for completion by November 29, 1985, has been completed. Additional penetrations have been breached as a part of ongoing work and will be closed upon completion of the activities that resulted in the barriers being breached. The schedule for closure of the surveillance breaches is still in the development stage. The inaccessible bus ducts (BD) will be sealed during the next scheduled refueling outage as previously reported. The fire tests on the conduit through cable tray seals are presently being performed.
2. Mechanical Penetrations - All work in this area remains on schedule, i.e., completion by January 15, 1986.

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PDR ADOCK 05000312
S PDR

IE22
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3. Doors - All door work, including replacement of several doors, is expected to be completed by March 15, 1986.
4. Dampers - The damper work is scheduled for completion by March 1, 1986, except for the 10 dampers associated with the Technical Support Center and Control Room (see previous report). A schedule for the completion of these 10 dampers is presently being developed.



R. J. RODRIGUEZ
ASSISTANT GENERAL MANAGER,
NUCLEAR

Attachment

cc: Director NRR

LEGEND

C CONDUIT (Conduit through cable tray seals
requiring additional fire tests.)

BD BUS DUCT (Inaccessible until next scheduled
refueling outage.)

NB NEW BREACHES

S SURVEILLANCE ITEMS

SEALED SEALED PENETRATIONS (Reported per Tech
Spec section 3.14.6.)

G GROUTED MECHANICAL PENETRATION

* FOUR ELECTRICAL PENETRATIONS WERE RENAMED:

88-90/2 AA	renamed	85/1-87 AA
88-90/2 AB	renamed	85/1-87 AB
90/1-90/2 AA	renamed	85/1-89 AA
90/1-90/2 AB	renamed	85/1-89 AB

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ATTACHMENT TO NRC SPECIAL REPORT

ELECTRICAL PENETRATIONS

PENETRATION NUMBER	NOTES	FIRE AREA	DETECTOR ZONE
01-17 AH	C, NB	1-17	13
01-20 AA	C, NB	1-20	16
01-20 AB	C, NB	1-20	16
15-71/2 AA	S	15-71/2	11-10
15-71/3 AA	BD	15-71/3	11-10
15-71/3 AB	S	15-71/3	11-10
15-71/3 AC	BD	15-71/3	11-10
15-71/3 AD	S	15-71/3	11-10
16-17 AA	C	16-17	12-13
16-17 AB	C	16-17	12-13
16-17 AE	C	16-17	12-13
16-29 AA	C	16-29	12-19
16-31 AA	C	16-31	12-31
17-18 AA	C, NB	17-18	13-14
17-18 AB	C	17-18	13-14
17-18 AC	C	17-18	13-14
17-18 AD	C	17-18	13-14
17-18 AF	C	17-18	13-14
17-20 AB	C	17-20	13-16
17-20 AC	C	17-20	13-16
17-29 AA	C	17-RM1	13-19
17-29 AB	C	17-RM1	13-19
17-29 AC	C	17-RM1	13-19
17-29 AD	C	17-RM1	13-20
17-29 AE	C	17-29	13-20
17-31 AA	BD	17-31	13-37
17-31 AB	BD	17-31	13-37
18-19 AA	C	18-19	14-15
18-19 AB	C	18-19	14-15
18-19 AC	C	18-19	14-15
18-31 AB	C	18-31	14-37
18-31 AC	C	18-31	14-37
18-31 AD	C	18-31	14-37
18-31 AE	C	18-31	14-37
18-31 AF	C	18-31	14-37
18-31 AH	NB	18-31	14-37
18-47 AA	C	18-47	14-46
18-47 AB	C	18-47	14-46
19-20 AB	C	19-20	15-16
19-20 AC	C	19-20	15-16
19-20 AD	C	19-20	15-16
19-32 AC	C	19-32	15-38
19-32 AE	C	19-32	15-38
19-32 AF	C	19-32	15-38

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ELECTRICAL PENETRATIONS

PENETRATION NUMBER	NOTES	FIRE AREA	DETECTOR ZONE
19-46 AA	C	19-46	15-46
19-81 AB	S	19-81	15-81
20-29 AA	C	20-RM1	16-20
20-29 AB	C	20-RM1	16-20
20-29 AC	C	20-RM1	16-20
20-29 AE	C	20-RM1	16-20
20-29 AF	C	20-RM1	16-20
20-32 AA	C	20-32	16-38
20-32 AB	BD	20-32	16-38
20-32 AC	BD	20-32	16-38
20-32 AD	NB	20-32	16-38
21-33 AA	C	21-33	17-39
22-29 AA	C	RG1-RM1	18-20
27-29 AA	NB	27-RM1	20
27-29 AB	C	27-RM1	20
27-29 AC	C	27-RM1	20
28-29 AA	C	28-RM1	20
29-71 AA	C	RM1-71	19
29-71 AB	C	29-71	29-71
30-31 AA	C	30-31	36-37
30-31 AC	BD	30-31	36-37
30-31 AE	BD	30-31	36-37
30-31 AG	C	30-31	36-37
30-31 AH	C	30-31	36-37
30-71/1 AF	BD	30-71	36-34
30-71/1 AG	C	30-71	34-36
31-32 AA	BD	31-32	36-37
31-32 AC	PER ECN	31-32	36-37
31-36 AA	C	31-36	37-42
31-36 AB	C	31-36	37-42
31-36 AC	C	31-36	37-42
31-36 AE	NB	31-36	37-42
32-33 AA	C	32-33	38-39
32-36 AA	C	32-36	38-42
32-36 AC	C	32-36	38-42
32-36 AD	C	32-36	38-42
32-36 AG	C	32-36	38-42
32-36 AH	C	32-36	38-42
33-36 AA	C	33-36	39-42
33-36 AB	C	33-36	39-43
34-36 AA	C	RG1-36	43
34-36 AB	C, NB	RG1-36	43
34-36 AE	C	RG1-36	43
34-36 AF	C	RG1-36	43

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ELECTRICAL PENETRATIONS

PENETRATION NUMBER	NOTES	FIRE AREA	DETECTOR ZONE
34-36 AJ	NB	RG1-36	42
34-64 AA	C	RG1-64	42
34-64 AB	C, NB	RG1-64	42
34-OUTSIDE AA	NB	RG1-69	42
36-64 AA	C, NB	36-64	42
36-71/1 AA	C	36-71/1	34-42
36-71/1 AB	NB	36-71/1	42
39-50 AA	C, NB	RG1-RB1	47-43
46-47 AA	C	RB2-47	46
46-47 AB	C	RB2-47	46
46-47 AC	C	RB2-47	46
47-49 AB	C	RB1-47	46
47-49 AC	C	47-RB1	46
75/1-81 AA	S	75/1-81	75-81
75/1-81 AB	S	75/1-81	75-81
76/1-82 AA	S	76/1-82	76-82
76/1-82 AB	S	76/1-82	76-82
78/2-82 AB	S	78/2-82	78-82
781699 CONDUIT	NB	84/1-83/1	84-83
781699 CONDUIT	NB	85/1-84/1	85-84
85/1-85/2 AA	S, NB	85/1-85/2	85
85/1-85/3 AA	S, NB	85/1-85/3	85
85/1-85/4 AA	S	85/1-85/4	85
85/1-85/4 AB	S	85/1-85/4	85
85/1-87 AA	S, *	85/1-87	88-90
85/1-87 AB	S, *	85/1-87	88-90
85/1-89 AA	S, *	85/1-89	90
85/1-89 AB	S, *	85/1-89	90
85/2-89 AB	NB	85/2-89	85-89
85/3-87 AA	NB	85/3-87	85-87
85/3-88 AA	S	85/3-88	85-88
85/3-88 AB	S	85/3-88	85-88
FB 69-1	NB	69	-----
FB 69-2	NB	69	-----
X4011	NB	32-36	38-42
X43BE3	NB	31-36	37-42

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MECHANICAL PENETRATIONS

<u>PENETRATION NUMBER</u>	<u>FIRE AREA</u>	<u>DETECTION ZONE</u>	<u>NOTES</u>
1025 (FHC S14)	RG1-RT1	05-07	
2206 (FHC S09)	RG1-RM1	20	
2226 (FHC S08)	27-RM1	20	
3159 (FHC S13)	36-RG1	42	
3161 (FHC S12)	36-RG1	42	
3162 (FHC S11)	36-RG1	42	
3163 (FHC S10)	30-36	42	
EXPANSION JOINT (UNSEALED)	27-28	20	
NS-212	84/1-84/2	84	G, SEALED
NS-235	81-84/1	81-84	G, SEALED
NS-236	82-84/1	82-84	G, SEALED
PENETRATION NOT NUMBERED	84/1-84/3	84	

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FIRE DOORS

FIRE DOOR -----	FIRE AREA -----	DETECTOR ZONE -----
ACCESS HATCH	RM1-38	19
AU102	36-RG1	43
AU109	R61-72	42
AU111	33-36	39-42
AU121	30-36	36-42
AU129	RG3-69	42
AU132	38-71	33-41
AU136	47-64	42-YARD
AU137	RB2	46-43
AU139	RG1	42
AU201	67-RM1	18
AU208	21-RM1	17-20
AU215	17-RM1	13-19
AU216	16-RM1	12-19
AU218	71-RM1	10-19
AU221	71-RM1	10-19
AU225	RM1-27	20
AU319	72-RT1	07
AU334	1-RT1	03-06
AU338	1	02-03
AUR401	74	06
NS063	82-81	82-81
NS153	83/2-83/1	83
NS154	76/3-76/1	76
NS155	76/2-76/1	76
NS156	75/2-75/1	75
NS157	75/3-75/1	75
NS160	82-83/1	82-83
NS161	81-83/1	81-83
NS232	82-84/1	82-84
NS233	81-84/1	81-84
NS242	84/1-83/2	84-83
NS355	85/2-85/1	85
NS356	85/1-83/2	85-83
NS358	79-85/3	79-85
NS359	80-85/2	80-85

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FIRE DAMPERS

DAMPER NUMBER -----	FIRE AREA -----	DETECTOR ZONE -----
FD-001	01-02	04-104
FD-002	01-02	05-104
FD-003	01-02	04-104
FD-004	01-02	04-104
FD-005	01-02	04-104
FD-006	01-02	04-104
FD-007	01-02	04-104
FD-008	01-02	04-104
FD-018	15-RM1	11-19
FD-025	47-48	46-47
FD-026A	20-21	16-17
FD-027A	21-20	46
FD-028	RB1-RB2	47
FD-028A	21-20	46
FD-029A	16-17	12-13
FD-030A	16-17	12-13
FD-031A	16-17	12-13
FD-032A	47-RB2	46
FD-041	56-47	47-48
FD-042	RT1-RG1	05
FD-043	RT-RG1	05
FD-046	RT1-RG1	05
FD-047	RT1-RG1	05
FD-048	RT1-RG1	05
MISSING DAMPER	02-74	104
MISSING DAMPER	02-74	104