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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 85-388

August 12, 1985

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

DOCKET NO. 50-312  
LICENSE NO. DPR-54  
SPECIAL REPORT NUMBER 85-10

The Sacramento Municipal Utility District hereby submits Special Report 85-10 in accordance with Rancho Seco Nuclear Generating Station Technical Specification, Sections 3.14.6.2 and 6.9.5.E. This report provides an updated list (attached) of nonfunctional fire barriers reported in our July 17, 1985 Special Report 85-08 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 barrier against the requirements of Technical Specification 3.14.6 and has verified that the appropriate fire watch has been established.

As stated in the July 17, 1985 Special Report 85-08, the District is providing a description of its program and associated schedule. The penetration program has been divided into four major program efforts: (1) electrical penetrations, (2) mechanical penetrations, (3) dampers, and (4) doors. The status for each program area follows:

1. Electrical Penetrations - A detailed walkdown of electrical penetrations has been concluded and all potential installation deficiencies have been identified. Electrical penetration deficiencies identified as of August 1, 1985 will be sealed or upgraded by August 30, 1985 except for the conduit through cable tray seals which will require additional fire tests to determine appropriate resolution. Certain bus ducts which are inaccessible until a refueling outage will not be sealed until the 1986 refueling outage, but suitable compensatory measures will remain in effect until restoration of the seal is complete.
2. Mechanical Penetrations - A detailed walkdown of all mechanical penetrations is currently in progress. Each seal is being analyzed to substantiate its fire rating with a fire test report or engineering analysis performed by a registered fire protection engineer. Seals which cannot be substantiated are being reworked or replaced. All mechanical penetrations identified as deficient as of August 1, 1985 will be repaired by September 6, 1985.

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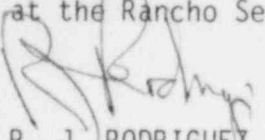
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3. Doors - The District had Underwriter's Laboratory (UL) personnel evaluate the fire doors and their report identified the bulk of fire doors which are being reported as inoperable. Additional door analyses have been conducted since then to account for changes in fire area boundaries and door upgrades identified by the 1985 Rancho Seco Fire Hazard Analysis Report Update. Of the door deficiencies identified, some repairs have already been completed and all doors are currently scheduled to be repaired by November 1, 1985. In an effort to get field labeling done on modified doors, UL has found several doors unacceptable for relabeling because of security modifications. The District is working to resolve this item.
4. Dampers - The District has completed a 100 percent walkdown of all existing dampers and of all ducts which do not contain dampers that penetrate fire area boundaries. All dampers or duct penetrations not containing dampers have been evaluated to determine the requirements consistent with the 1985 Rancho Seco Fire Hazards Analysis Report Update. The dampers identified as deficient or missing by this walkdown will be repaired or installed by November 22, 1985.

All of the above schedules are based on information as of the date of this letter. Because of the uncertain nature of materials delivery and problems identified during repair/installation, these schedules may require modification. Therefore, as new information is received, the District will update these schedules to reflect the new information.

In summary, the District has a comprehensive program to repair and upgrade existing penetrations. The District has control in place to identify future breaches in barriers and ensure that they are closed or repaired in a timely manner.

If you have any questions concerning this report, please contact Mr. Ron Colombo at the Rancho Seco Nuclear Generation Station Unit No. 1.

  
R. J. RODRIGUEZ  
ASSISTANT GENERAL MANAGER,  
NUCLEAR

Attachment

cc: Director, NRR

ATTACHMENT TO SPECIAL REPORT 85-10  
 LIST OF NON FUNCTIONAL FIRE BARRIERS  
 AUGUST 6, 1985  
 FIRE DAMPERS

DAMPER NUMBER	FIRE AREA	DETECTION ZONE
FD-01	1-2	4-104
FD-02	1-2	4-104
FD-03	1-2	4-104
FD-04	1-2	4-104
FD-05	1-2	4-104
FD-06	1-2	4-104
FD-07	1-2	4-104
FD-08	1-2	4-104
FL-16A	1-2	4-104
FD-17A	1-2	4-104
FD-18	15-RM1	11-19
FD-18A	6-RT1	6
FD-19A	RT1-RG1	5
FD-20A	27-RT1	6-20
FD-21	14-31	13-37
FD-21A	27-64	20-42
FD-22	32-20	16-38
FD-22A	27-28	20
FD-23	RG1-36	42
FD-23A	RG1-RM1	18
FD-24A	RG1-RM1	18
FD-25	47-48	46-47
FD-25A	36-RG1	42
FD-26A	20-21	16-17
FD-27A	21-20	46
FD-28	RB1-RB2	47
FD-28A	21-20	46
FD-29	49-56	47-48
FD-29A	16-17	12-13
FD-30	49-57	47-48
FD-30A	16-17	12-13
FD-31A	16-17	12-13
FD-32A	47-RB2	46
FD-41	56-47	47-48
FD-42	RT1-RG1	5
FD-43	RT-RG1	5
FD-46	RT1-RG1	5
FD-47	RT1-RG1	5
FD-48	RT1-RG1	5
FD-N32	84/3-89	84-89
FD-N33	84/3-89	84-89
MISSING DAMP'S (3)	47-69	42-OS
MISSING DAMP'S (3)	47-RG1	42
MISSING DAMPER (1)	47-RB2	46
MISSING DAMPER (1)	47-57	46-48

ATTACHMENT TO SPECIAL REPORT 85-10  
 LIST OF NON FUNCTIONAL FIRE BARRIERS  
 AUGUST 6, 1985  
 FIRE DOORS

FIRE DOOR	FIRE AREA	DETECTION ZONE
ACCESS HATCH	RM1-38	19
AU102	36-RG1	43
AU103	36-67	43
AU108	36-RG1	36
AU109	R61-72	42
AU111	33-36	39-42
AU113	32-36	38-42
AU114	32-36	38-42
AU115	19-32	15-38
AU116	18-19	14-15
AU117	31-32	37-38
AU118	31-36	37-42
AU119	18-31	14-37
AU120	31-46	37-42
AU121	30-36	36-42
AU123	30-71	36-33
AU124	36-62	42
AU126	36-RG1	42
AU127	47-RG1	42
AU128	38-69	41
AU129	RG3-69	42
AU130	36-38	41-42
AU131	36-71	41-33
AU132	38-71	41-33
AU133	37-71	40-33
AU134	37-69	40
AU135	33-36	39-43
AU136	47-64	42-YARD
AU137	RB2-RG1	43
AU138	30-31	36-37
AU139	36-RG1	42
AU201	67-RM1	18
AU202	RG1-RM1	18
AU203	RG1-RM1	18-20
AU205	28-RM1	20
AU206	28-72	20
AU207	27-28	20
AU208	21-RM1	17-20
AU209	21-RM1	17-18
AU210	20-21	16-17
AU211	20-RM1	16-20
AU212	19-20	15-16
AU213	18-19	14-15
AU214	17-18	13-14
AU215	17-RM1	13-19
AU216	16-RM1	12-19
AU218	71-RM1	10-19
AU220	71-RM1	10-19
AU221	71-RM1	10-19

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 LIST OF NON FUNCTIONAL FIRE BARRIERS  
 AUGUST 6, 1985  
 FIRE DOORS

FIRE DOOR	FIRE AREA	DETECTION ZONE
AU224	62-RM1	19
AU225	RM1-27	20
AU226	15-71	10-11
AU227	16-17	11-12
AU301	67-RT1	5
AU319	72-RT1	7
AU333	1-RT1	4-6
AU334	1-RT1	3-6
AU333	1-71	2-3
AU342	71-14	2-6
AU344	6-RT1	6
AU345	6-RT1	6
AUB08	18-19	14-15
AUB12	48-49	47
AUB61	19-81	15-81
AUB62	18-82	14-81
AUR401	62-74	6-ROOF
NS063	81-82	81-82
NS153	83/1-83/2	83
NS154	76/1-76/3	76
NS155	76/1-76/2	76
NS156	75/1-75/2	75
NS157	75/1-75/3	75
NS158	75/1-83/1	75-83
NS159	76/1-83/1	76-83
NS160	82-83/1	82-83
NS232	82-84/1	82-84
NS233	81-84/1	81-84
NS234	78/1-78/2	78
NS235	77/1-77/2	77
NS238	77/2-84/1	77-84
NS239	84/1-84/2	84
NS240	78/2-84/1	78-84
NS241	84/1-84/3	84
NS242	83/2-84/1	83-84
NS352	85/1-87	85-87
NS353	85/1-89	85-89
NS355	85/1-85/2	85
NS357	2-85/4	104-85
NS358	79-85/3	79-85
NS359	80-85/2	80-85
NS403	85/5-91/1	85-91

ATTACHMENT TO SPECIAL REPORT 85-10  
LIST OF NON FUNCTIONAL FIRE BARRIERS  
AUGUST 6, 1985  
MECHANICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
0101(NSEB)	75/2-75/1	75
0103(NSEB)	75/2-75/1	75
0113(NSEB)	76/2-76/1	76
0116(NSEB)	76/2-76/1	76
0117(NSEB)	83/1-75/1	83-75
0119(NSEB)	83/1-76/1	83-76
0123(NSEB)	75/3-75/1	75
0128(NSEB)	76/3-76/1	76
0130(NSEB)	83/1-83/2	83
0131(NSEB)	83/1-83/2	83
0143(NSEB)	75/1-75/2	75
0144(NSEB)	76/1-75/2	76
0148(NSEB)	76/1-83/1	76-83
0149(NSEB)	75/1-83/1	75-83
0207(NSEB)	78/2-84/1	78-84
0212(NSEB)	84/1-84/2	84
0213(NSEB)	83/2-84/1	83-84
0214(NSEB)	83/1-83/2	83
0216(NSEB)	83/12-84/1	83-84
0226(NSEB)	84/1-84/2	84
0227(NSEB)	84/1-84/2	84
0230(NSEB)	84/1-84/3	84
2083	RM1-71	19-10
3038	RG1-36	42
3039	RG1-36	42
3040	RG1-36	42
3041	RG1-36	42
3042	RG1-36	42
3045	RG1-36	42
3046	RG1-36	42
3065	38-36	19
3066	38-36	19
3071	30-71	33-36
3072	30-71	33-36
3073	30-71	33-36
3074	30-71	33-36
3075	31-36	37-42
3078	31-36	37-42
3086	37-71	33-40
3119	38-71	41-33
3120	37-71	40-33
3123	32-33	38-39
3124	31-32	36-37
3125	30-31	36-37
3128	37-71	33-40
3140	47-69	42
3141	47-69	42
3142	47-69	42
3143	47-69	42

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MECHANICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
3144	47-69	42
3145	RG1-36	43
3146	36-62	42
3147	47-62	42
3148	47-RB1	46
3149	RB1-RG1	43-47
3150	36-RB2	46
3151	36-RB2	46
3152	36-RB2	46
4121	RB1-RB2	47
4128	RB1-RB2	47
4129	RB1-RB2	47
4130	RB1-RB2	47
4131	RB1-RB2	47
4132	RB1-RB2	47
4133	RB1-RB2	47
4134	RB1-PB2	46
4135	RB1-RB2	46
4136	RB1-RB2	46
4140	RB1-RB2	46
4141	RB1-RB2	47
4144	RB1-RB2	47
4151	RB1-RB2	47
4154	RB1-RB2	46
4155	RB1-RB2	47
4156	RB1-RB2	47
4157	RB1-RB2	47
4158	RB1-RB2	47
4159	RB1-RB2	47
4160	RB1-RB2	47
4161	RB1-RB2	47
4164	RB1-RB2	47
4250	50-57	47
4251	50-57	47
4325	RB1-RB2	47
4326	RB1-RB2	47
4327	RB1-RB2	47
4328	RB1-RB2	47
4329	RB1-RB2	47
4330	RB1-RB2	47
4331	RB1-RB2	47
4332	RB1-RB2	47
4333	RB1-RB2	47
4402	RB1-RB2	47
4405	47-RB2	46
4406	47-RB2	46
4408	47-RB2	46
4409	47-RB2	46
4410	47-RB2	46

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MECHANICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
4411	47-RB2	46
4412	47-RB2	46
4413	47-RB2	46
4414	47-RB2	46
4415	47-RB2	46
4416	47-RB2	46
4417	47-RB2	46
4418	47-RB2	46
4419	47-RB2	46
4420	47-RB2	46
4421	47-RB2	46
4422	47-RB2	46
4425	57-RB1	46-47
4426	57-RB1	46-47
4429	57-RB1	46-47
4435	47-RB2	46-47
4437	48-RB1	47
4438	48-RB1	47
4439	48-RB1	47
4440	48-RB1	47
4441	48-RB1	47
4442	48-RB1	47
4443	48-RB1	47
4444	48-RB1	47
4445	48-RB1	47
4447	48-RB1	47
4450	48-RB1	47
4451	47-RB1	46
4452	48-56	47-48
4453	48-56	47-48
4454	48-56	47-48
4455	48-56	47-48
4456	47-48	46-47
4457	47-48	46-47
4458	47-48	46-47
4459	47-48	46-47
4460	47-48	46-47
4462	47-48	46-47
4463	47-48	46-47
4464	47-48	46-47
4465	47-48	46-47
4466	47-48	46-47
4467	47-48	46-47
4468	48-RB1	47
4469	48-RB1	47
4471	48-RB1	47
4472	48-RB1	47
4473	48-RB1	47
4474	48-RB1	47

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LIST OF NON FUNCTIONAL FIRE BARRIERS  
AUGUST 6, 1985  
MECHANICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
4475	48-RB1	47
4476	48-RB1	47
4477	48-RB1	47
4478	48-RB1	47
4480	48-RB1	47
4481	48-RB1	47
4485	48-RB1	47
4486	48-RB1	47
4487	RB1-56	47-48
4488	RB1-56	47-48
4489	RB1-57	47-48
4490	RB1-57	47-48
4492	RB1-56	47-48
4493	RB1-56	47-48
4494	RB1-56	47-48
4501	RB1-RB2	46
4502	RB1-RB2	46
4503	RB1-RB2	46
4504	RB1-RB2	46
4505	RB1-RB2	46-47
4506	RB1-RB2	46-47
4507	RB1-RB2	46-47
4508	RB1-RB2	46-47
4509	50-57	48
4511	47-56	48
5001	47-57	48
5002	47-57	48
5003	56-57	48
5004	56-57	48
5005	56-57	48
5010	56-57	48
5012	56-57	48
EXPANSION JOINT (UNSEALED)	27-28	20
EXPANSION JOINT (UNSEALED)	56-57	48
FHC HS13	36-RG1	42
FHC S08	27-RM1	20
FHC S09	RG1-RM1	20
FHC S10	30-36	42
FHC S11	36-RG1	42
FHC S12	36-RG1	42
FHC S14	RG1-RT1	5-7
HVAC DUCT NOT SEALED	1-RT1	4-6
OPENING WITH CERAMIC WOOL	RG1-36	42

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 LIST OF NON FUNCTIONAL FIRE BARRIERS  
 AUGUST 6, 1985  
 ELECTRICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
01-02 AA	1-2	4-5
01-17 AG	1-17	3-13
01-17 AH	1-17	4-13
01-17 AK	1-17	4-13
01-17 AM	1-17	4-13
01-17 AO	1-17	4-13
01-17 AQ	1-17	4-13
01-17 BB	1-17	4-13
01-17 BG	1-17	4-13
01-17 BO	1-17	4-13
01-17 BP	1-17	4-13
01-20 AA	1-20	4-16
01-20 AB	1-20	4-16
01-20 AF	1-20	4-16
01-20 AL	1-20	4-16
01-20 AM	1-20	4-16
05-25 AA	RT1-RM1	6-19
01-17 BI	1-17	3-13
01-20 AD	1-20	4-16
01-20 AE	1-20	4-16
15-71/2 AA	15-71/2	11-10
15-71/3 AA	15-71/3	11-10
15-71/3 AB	15-71/3	11-10
15-71/3 AC	15-71/3	11-10
15-71/3 AD	15-71/3	11-10
16-17 AA	16-17	12-13
16-17 AB	16-17	12-13
16-17 AE	16-17	12-13
16-29 AA	16-29	12-19
16-31 AA	16-31	12-37
16-31 AB	16-31	12-37
17-18 AA	17-18	13-14
17-18 AB	17-18	13-14
17-18 AC	17-18	13-14
17-18 AD	17-18	13-14
17-18 AF	17-18	13-14
17-20 AB	17-20	13-16
17-20 AC	17-20	13-16
17-29 AA	17-RM1	13-19
17-29 AB	17-RM1	13-19
17-29 AC	17-RM1	13-19
17-29 AD	17-RM1	13-20
17-29 AE	17-29	13-20
17-31 AA	17-31	13-37
17-31 AB	17-31	13-37
17-31 AC	17-31	13-37
17-31 AK	17-31	13-37
17-31 AL	17-31	13-37
17-31 AM	17-31	13-37

ATTACHMENT TO SPECIAL REPORT 85 - 10  
LIST OF NON FUNCTIONAL FIRE BARRIERS  
AUGUST 6, 1985  
ELECTRICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
18-19 AA	18-19	14-15
18-19 AB	18-19	14-15
18-19 AC	18-19	14-15
18-31 AB	18-31	14-37
18-31 AC	18-31	14-37
18-31 AD	18-31	14-37
18-31 AE	18-31	14-37
18-31 AF	18-31	14-37
18-31 AG	18-31	14-37
18-31 AH	18-31	14-37
18-47 AA	18-47	14-46
18-47 AB	18-47	14-46
19-20 AB	19-20	15-16
19-20 AC	19-20	15-16
19-20 AD	19-20	15-16
19-32 AA	19-32	15-38
19-32 AB	19-32	15-38
19-32 AC	19-32	15-38
19-32 AE	19-32	15-38
19-32 AF	19-32	15-38
19-46 AA	19-RB2	15-46
20-29 AA	20-RM1	16-20
20-29 AB	20-RM1	16-20
20-29 AC	20-RM1	16-20
20-29 AE	20-RM1	16-20
20-29 AF	20-RM1	16-20
20-32 AA	20-32	16-38
20-32 AB	20-32	16-38
20-32 AC	20-32	16-38
20-32 AD	20-32	16-38
20-32 AE	20-32	16-38
21-33 AA	21-33	17-39
22-29 AA	RG1-RM1	18-20
27-29 AB	27-RM1	20
27-29 AC	27-RM1	20
28-29 AA	28-RM1	20
29-71/2 AA	RM1-71/2	19
29-71/2 AB	29-71	29-71
30-31 AA	30-31	36-37
30-31 AC	30-31	36-37
30-31 AE	30-31	36-37
30-31 AG	30-31	36-37
30-31 AH	30-31	36-37
30-71/1 AA	30-71/1	33-36
30-71/1 AB	30-71	33-36
30-71/1 AD	30-71/1	36-33
30-71/1 AE	30-71	33-36
30-71/1 AF	30-71/1	36-33
31-32 AA	31-32	36-37

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AUGUST 6, 1985  
ELECTRICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
31-36 AB	31-36	37-42
31-36 AC	31-36	37-42
32-33 AA	32-33	38-39
32-36 AA	32-36	38-42
32-36 AC	32-36	38-42
32-36 AD	32-36	38-42
32-36 AG	32-36	38-42
32-36 AH	32-36	38-42
32-36 AI	32-36	38-42
33-36 AA	33-36	39-42
33-36 AB	33-36	39-43
34-36 AA	RG1-36	43
34-36 AB	RG1-36	43
34-36 AD	RG1-36	43
34-36 AD	RG1-36	43
34-36 AE	RG1-36	43
34-36 AF	RG1-36	43
34-36 AG	RG1-36	43
34-36 AK	RG1-36	43
34-64 AA	RG1-64	42
34-64 AB	RG1-64	42
34-OS AA	RG1-05	42
36-64 AA	36-64	42
36-64 AB	36-64	42
36-71/1 AA	36-71/1	33-42
39-50 AA	RG1-RB1	47-43
46-47 AA	46-47	46
46-47 AB	46-47	46
46-47 AC	46-47	46
47-49 AB	RB1-47	46
47-49 AC	47-RB1	46
50-66 AA	47-48	46-47
75/1-77/2 AA	75/1-77/2	75-77
75/1-81 AA	75/1-81	75-81
75/1-83/1 AA	75/1-83/1	75-83
75/1-83/1 AB	75/1-83/1 AB	75-83
75/1-OS AA	75/1-OS	75
76/1-82 AA	76/1-82	76-82
76/1-82 AB	76/1-82	76-82
76/1-82 AB	76/1-82	76-82
76/1-83/1 AA	76/1-83/1	76-83
76/1-83/1 AB	76/1-83/1	76/83
76/1-OS AA	76/1-OS	76
78/2-82 AB	78/2-82	78-82
83/1-84/1 AA	83/1-8 /1	83-84
84/1-90/2 AB	84/1-85, 1	84-85
85/1-85/2 AA	85/1-85/2	85
85/1-85/4	85/1-85/4	85
85/1-85/4 AA	85/1-85/4	85

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LIST OF NON FUNCTIONAL FIRE BARRIERS  
AUGUST 6, 1985  
ELECTRICAL PENETRATIONS

PENETRATION NUMBER	FIRE AREA	DETECTION ZONE
85/1-85/4 AB	85/1-85/4	85
85/2-90/1 AB	85/2-90	85/90
85/3-88 AA	85/3-88	85-88
85/3-88 AB	85/3-88	85-88
85/3-88 AB	85/3-88	85-88
88-90/2 AA	85/1-87	85-87
88-90/2 AB	85/1-87	85-87
90/1-90/2 AA	85/1-89	85-89
90/1-90/2 AB	85/1-89	85-89