

Southern California Edison Company

23 PARKER STREET
IRVINE, CALIFORNIA 92718

WALTER C. MARSH
ASSISTANT MANAGER,
NUCLEAR REGULATORY AFFAIRS

December 30, 1992

TELEPHONE
(714) 454-4403

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

Subject: Docket Nos. 50-206, 50-361, 50-362
1991 Annual Facility Change Report
San Onofre Nuclear Generating Station, Units 1, 2, and 3

This letter transmits the Annual Facility Change Report for 1991 required by 10 CFR 50.59(b)(2). The report contains a brief description of facility changes, procedure changes, test, and experiments conducted for San Onofre Units 1, 2, and 3, during the calendar year January 1 through December 31, 1991.

Enclosure 1 provides a summary of the facility changes implemented in 1991, including a summary of the safety evaluation performed for each change. The summaries provided in Enclosure 1 are condensed from the actual facility change documentation and are sufficient to identify the nature, scope and safety significance of the change. Should more precise or detailed information on a specific change be required, the original documentation should be consulted and can be provided upon request. Enclosure 2 summarizes procedure changes made in 1991. There were no special test or experiments performed during the reporting period.

If you require any additional information, please let me know.

Sincerely,

Enclosures

cc: J. B. Martin, Regional Administrator, NRC Region V
J. O. Bradfute, NRC Project Manager, San Onofre Unit 1
M. B. Fields, NRC project Manager, San Onofre Units 2 & 3
C. W. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2, & 3
R. F. Dudley, Section Chief, Non-Power, Decommissioning, and
Environmental Project, Directorate of Reactor Project-3, 4 & 5

9301040201

ENCLOSURE 1

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 1, 2, AND 3

FACILITY CHANGES IMPLEMENTED IN 1991

INDEX

Unit 1

<u>Facility Change No.</u>		<u>Title</u>	<u>Page</u>
1-3407.00	Rev 0	Diverse Turbine Trip	2
1-3518.00	Rev 0	Replacement of South Charging Pump Motor	4
1-3526.0SN	Rev 0	Upgrade of SV-2900 and SV-3900 Bonnet Relief Lines for HV-851A and HV-851B	5
1-3547.00	Rev 0	Refueling Water Level and RCS/RHR Monitoring System	6
1-3548.00	Rev 1	Hot Leg Recirculation Alternate Flow Path EQ Upgrades	8
1-3548.1SN	Rev 1	Replacement of Charging Line Flow Transmitter FIT-1112	10
1-3568.02SJ	Rev 0	Permanent Installation of Thermal Shield Monitoring System	12
1-3568.0SM	Rev 1	Reactor Vessel Thermal Shield Support Component Replacement	14
1-3581.0SM	Rev 0	Replacement of Backup Nitrogen Regulating Valves to HV-851 A and B	15
1-3582.00SN	Rev 0	Upgrades for CV-517 and CV-518 Valve Actuators	16
1-3587.01SM	Rev 1	Auxiliary Feedwater Flow Venturi Modifications	18

INDEX

Unit 1

<u>Facility Change No.</u>		<u>Title</u>	<u>Page</u>
1-3601.00	Rev 1	Turbine Plant Cooling Water Remote Manual Isolation Valves	19
1-3606.0SM	Rev 1	Spent Fuel Pit Cooling Pump Modification	21
1-3609.0SE	Rev 0	Replacement of Instrumentation Cables	22
1-3611.0SE	Rev 0	Battery No. 2 Spare Cell Replacement	23
1-3613.00SJ	Rev 0	Set Point Change for Containment Pressure Switch PS-24	24
1-3619.0SN	Rev 0	Power Lockout for MOV-866A and B	25
1-3625.00SN	Rev 0	Charging Pump Trip on Low, Low, Low Volume Control Tank Level	26
1-3633.00	Rev 0	Reactor Coolant Pump Penetration Backup Overcurrent Protection	29
1-3634.0SJ	Rev 1	Sequencer Loss of Power Logic Modification	31
1-3638.0SN	Rev 0	Upgrade of Letdown Flow Control Valve LCV-1112	33
1-3639.00	Rev 0	FCV-5051 Backup Air Supply Upgrade	34
1-3641.0SJ	Rev 0	RCS Resistance Temperature Detector Relocation	36
1-3642.0BP	Rev 0	Main Feedwater Pump Mini-flow Modification	37
1-3643.00	Rev 0	Containment Spray Flow Orifice Replacement	38

INDEX

Unit 1

<u>Facility Change No.</u>		<u>Title</u>	<u>Page</u>
1-3644.00	Rev 0	Flow Limiting Collars on FCV-1115D, E, and F	39
1-3645.00	Rev 0	Sequencer Isolation of Letdown Lines	40
1-3646.00SN	Rev 0	FCV-1112 Sequencer Closure and Positioner Replacement	42
1-3648.0SM	Rev 0	Upgrade Bypass Valve Solenoids for Main Feedwater Control Valves	44
1-3655.00	Rev 0	Sequencer Closure of FCV-1115D, E, and F	45
1-3655.01SN	Rev 0	Sequencer Closure Circuit for FCV-1115D, E, and F Modification	47
1-3656.00	Rev 0	Nuclear Instrumentation System Overpower and Rod Stop Power Range Setpoint Modification	48
1-3657.00	Rev 0	Containment Spray System Actuation Setpoint Change	50
1-3659.00	Rev 0	MOV-1100E Installation.	52
1-3668.00	Rev 0	Degraded Voltage Trip Circuit Override on SISLOP	54
1-7001.01BE	Rev 0	Digital Fault Recorder Installation	56
1-7007.03SC	Rev 0	Upgrade of Vital Area Barrier Penetration	57
1-7016.01	Rev 1	Addition of One Siren (OC17) to the Community Alerting and Notification System	58

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 1, 2, AND 3

FACILITY CHANGES IMPLEMENTED IN 1991

INDEX

Unit 2

<u>Facility Change No.</u>		<u>Title</u>	<u>Page</u>
2-0070.0UC	Rev 0	Containment Purge Line Blind Flange Installation	60
2-6280.04J	Rev 0	Toxic Gas Isolation System Modifications	61
2-6686.00SC	Rev 0	Relocation of Seismic Triaxial Peak Recording Accelerograph	62
2-6696.04BP	Rev 0	Miscellaneous Pre-License Amendment Request work inside Spent Fuel Pool	63
2-6696.05	Rev 0	Spent Fuel Handling Machine Digital Indexing System	65
2-6696.07BC	Rev 0	Spent Fuel Reracking Underwater Construction	67
2-6788.00SM	Rev 0	Control Element Drive Mechanism Snubber Removal and Rigid Strut Replacement	69
2-6797.01BP	Rev 0	Replacement of Manual Isolation Valves in RCS, SIS, CVCS	70
2-6812.00SM	Rev 0	Chesterton Packing Installation and Leakoff Line Removal from 2TV-0221 and 2HV-9201	71
2-6816.00SM	Rev 0	Emergency Diesel Generator Auxiliary Turbocharger Oil Filter Pressure Indicator	72
2-6829.00	Rev 0	Diesel Generator Expansion Tank Pressure Relief Valve	73

INDEX

Unit 2

<u>Facility Change No.</u>		<u>Title</u>	<u>Page</u>
2-6871.00SM	Rev 0	Emergency Diesel Generator Auxiliary Turbocharger Oil Filters	75
2-6906.00SJ	Rev 0	Control Element Drive Mechanism Control System Motor Generator Digital Ammeter Relay Installation	76
2-7001.02BE	Rev 0	Digital Fault Recorder Installation	77

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 1, 2, AND 3

FACILITY CHANGES IMPLEMENTED IN 1991

INDEX

Unit 3

<u>Facility Change No.</u>		<u>Title</u>	<u>Page</u>
3-6017.00	Rev 0	Radiation Monitor High Voltage Power Supply Upgrades	79
3-6605.04	Rev 0	Reactor Regulating System Modification	80
3-6605.05	Rev 0	Control Room Human Factors Upgrades	81
3-6674.00BJ	Rev 0	MSIV Hydraulic Dump Valve Control System Upgrades	82
3-6696.04BP	Rev 0	Miscellaneous Pre-License Amendment Request Work Inside Spent Fuel Pool	83
3-6696.05	Rev 0	Spent Fuel Handling Machine Digital Indexing System	85
3-6713.00BM	Rev 0	Fuel Handling Building Isolation System Condensate Removal	87
3-6784.00SE	Rev 0	Fuel Handling Building Power Receptacles	88
3-6796.00SE	Rev 0	Battery 3B012 Cell Replacement	89
3-6797.00	Rev 0	Replacement of Three Kerotest Valves with Anchor/Darling Valves	90
3-7013.00	Rev 0	Portal Radiation Monitor Replacement	92

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 1, 2, AND 3

FACILITY CHANGES IMPLEMENTED IN 1991

INDEX

Unit 2/3

<u>Facility Change No.</u>	<u>Title</u>	<u>Page</u>
2/3-1385.00N Rev 0	Radiation Monitor Filter and Overpressure Protection	94
2/3-6592.1SM Rev 0	Concentrated Boric Acid Storage Tank Fill Line Addition	95
2/3-6822.0SE Rev 0	Diesel Generator Field Ground Relay Modification	96
2/3-6883.00SJ Rev 0	Control Room Area Workspace Upgrade	97
2/3-7007.01SC Rev 0	HVAC Vital Area Barrier Penetration Upgrades	98
2/3-7007.02SC Rev 0	HVAC Vital Area Barrier Penetration Upgrades	98

Southern California Edison Company

23 PARKER STREET
IRVINE, CALIFORNIA 92718

WALTER C. MARSH
ASSISTANT MANAGER,
NUCLEAR REGULATORY AFFAIRS

December 30, 1992

TELEPHONE
(714) 454-4403

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

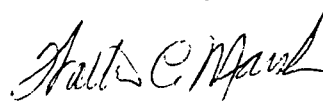
Subject: Docket Nos. 50-206, 50-361, 50-362
1991 Annual Facility Change Report
San Onofre Nuclear Generating Station, Units 1, 2, and 3

This letter transmits the Annual Facility Change Report for 1991 required by 10 CFR 50.59(b)(2). The report contains a brief description of facility changes, procedure changes, test, and experiments conducted for San Onofre Units 1, 2, and 3, during the calendar year January 1 through December 31, 1991.

Enclosure 1 provides a summary of the facility changes implemented in 1991, including a summary of the safety evaluation performed for each change. The summaries provided in Enclosure 1 are condensed from the actual facility change documentation and are sufficient to identify the nature, scope and safety significance of the change. Should more precise or detailed information on a specific change be required, the original documentation should be consulted and can be provided upon request. Enclosure 2 summarizes procedure changes made in 1991. There were no special test or experiments performed during the reporting period.

If you require any additional information, please let me know.

Sincerely,



Enclosures

cc: J. B. Martin, Regional Administrator, NRC Region V
J. O. Bradfute, NRC Project Manager, San Onofre Unit 1
M. B. Fields, NRC project Manager, San Onofre Units 2 & 3
C. W. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2, & 3
R. F. Dudley, Section Chief, Non-Power, Decommissioning, and
Environmental Project, Directorate of Reactor Project-3, 4 & 5

9301040221 921231
PDR ADOCK 05000206
R PDR

IEA7
1/1