



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

August 19, 1992

Docket No. 50-206

Mr. Harold B. Ray  
Senior Vice President  
Southern California Edison Company  
Irvine Operations Center  
23 Parker Street  
Irvine, California 92718

Dear Mr. Ray:

SUBJECT: DISPOSITION OF LICENSING ACTIONS ASSOCIATED WITH CLOSURE  
OF SAN ONOFRE NUCLEAR GENERATING STATION UNIT 1 (TAC NO. M84196)

Your letter dated July 8, 1992, restated your intention to permanently cease power operations at San Onofre Unit 1 at the end of the current fuel cycle. The letter included a list of open regulatory actions that are currently applicable to San Onofre Unit 1 and proposed a disposition for these actions based on the impending shutdown of the reactor. We reviewed your list and conducted an independent evaluation of the open actions to determine the safety significance of the individual actions in terms of (1) power operations during the remaining months of core life, (2) reactor shutdown procedures, (3) reactor defueling, and (4) defueled plant operations. Our evaluation concluded that the existing open actions can be grouped into the four categories listed in Enclosures 1 through 4.

Enclosures (1) and (2) list open actions that would not enhance safety for the curtailed Unit 1 operating plan that is currently proposed. Typically these actions are long term actions, focused on power operations. It is not likely that these actions can be resolved and implemented in time to be beneficial during the remaining three to four months of core life at Unit 1. Accordingly, we will not commit any additional resources to complete these actions and we do not require any additional effort from you. These actions that are being closed-out are subdivided into actions initiated by you (Enclosure 1) and actions initiated by the NRC (Enclosure 2). For the sake of thoroughness, actions are included in these enclosures that appear to be complete in all respects except their implementation is not documented in the NRC data base. Actions in this category are annotated with an asterisk.

Enclosure (3) is a list of six actions that are relevant to safety during the near term power operations or during plant operations in the defueled condition. Resolution of these actions will be required in accordance with existing requirements and schedules.

Enclosure (4) is included primarily for record purposes. This is a list of actions that were closed by previous correspondence based on the anticipated permanent closure of the Unit 1 reactor.

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PDR ADDCK 05000206  
PDR

*AA*  
*DPO*

Mr. Harold B. Ray

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August 19, 1992

Please note that we have assigned a tracking number (TAC number) to this letter. This tracking number will remain active until a Possession-Only License is issued to Unit 1. In the event that your plans to permanently cease power operations at the end of the current Unit 1 fuel cycle are changed, the open actions closed by this letter and those listed in Enclosure (4) will need to be readdressed before restart can begin. Additionally, the Confirmatory Order issued by the NRC on January 2, 1990, includes prerequisites that apply to the next fuel cycle. Please notify us immediately if you disagree with our method for disposition of the remaining Unit 1 regulatory actions or if your Unit 1 closure plans change.

Sincerely,

**Original signed by**

Theodore R. Quay, Director  
Project Directorate V  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

**Enclosures:**

1. Actions Initiated by SCE
2. Actions Initiated by NRC
3. Actions to be Completed
4. Actions to be Reopened if San Onofre 1 is Restarted After Cycle 11

cc w/enclosures:  
See next page

**DISTRIBUTION:**

<u>Docket File</u>	NRC & Local PDRs	PDV r/f	JPartlow
BBoger	MVirgilio	TQuay	GKalman
JBradfute	DFoster	OGC (15B18)	ACRS (10)
PDV p/f	KPerkins, RV	SWeiss(11B20)	EHylton (11B20)
SShankman, EDO	CRossi	JLieberman	EJordan
OC/LFMB	WRussell, 12G18	TMurley, 12G18	

<del>ADT/NRR</del>	<del>D/NRR</del>
<del>WRussell</del>	<del>TMurley</del>
<del>/ / 92</del>	<del>/ / 92</del>

OFC	PDV/LA	PDV/PE	PDV/PM	PDV/D	AD45/DRPW	D/DRPW	ADP/NRR
NAME	DFoster	JBradfute	GKalman	TQuay	MVirgilio	BBoger	JPartlow
DATE	8/18/92	8/19/92	8/19/92	8/18/92	8/18/92	8/18/92	8/19/92

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DOCUMENT NAME: S084196.LTR

Mr. Harold B. Ray

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Sincerely,

*Theodore R Quay*

Theodore R. Quay, Director  
Project Directorate V  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosures:

1. Actions Initiated by SCE
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San Onofre 1 is Restarted  
After Cycle 11

cc w/enclosures:  
See next page

Mr. Harold B. Ray  
Southern California Edison Company

San Onofre Nuclear Generating  
Station, Unit No. 1

cc:

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Chief, Environmental Management Branch  
California Department of Health Services  
714 P Street, Room 616  
Sacramento, California 95814

## ACTIONS INITIATED BY SCE

TAC Num	MPA Num	Title	Start Date	NRC Review	Implementation Documented
M61092		SAN ONDFRE 1 - HVAC TECHNICAL SPECIFICATIONS	03/28/86	Incomplete	No
M71806		SAN ONDFRE 1 - INCREASE SURVEILLANCE INTERVALS FOR RPS ANALOG CHANNEL TESTS (AA-161)	12/29/88	Incomplete	No
M71807		SAN ONDFRE 1 - CONTAINMENT SPRAY ACTUATION LCO'S AND SURVEILLANCES (AA-162)	12/29/88	Incomplete	No
M73621		SAN ONDFRE 1 - CONTAINMENT VENT. AND AIR LOCK LEAK TEST CRITERIA (AA-170)	06/07/89	Incomplete	No
M75295		SAN ONDFRE 1 - RVLIS EXTENSION REQUEST (AA-174)	11/01/89	01/02/90	No †
M76374		SAN ONDFRE 1- OPERATOR TRAINING (AA-176)	03/06/90	Incomplete	No
M76418		SAN ONDFRE 1 - PLANT REFERENCE SIMULATOR SCHEDULAR EXEMPTION REQUEST (10CFR55.45)	03/23/90	03/22/91	No †
M77705		SAN ONDFRE 1 - ECCS ACTUATION LOGIC AND VITAL BUS TRANSFER (AA-189)	09/28/90	02/28/91	No †
M77834		SAN ONDFRE 1 - T.S. 3.1.4 - RX. COOLANT LEAKAGE (AA-184)	10/16/90	Incomplete	No
M80050		SAN ONDFRE 1 - RESPOND TO SCE LETTER DATED 3/29/91, UNDER - ESTIMATION OF REFILL VOLUME IN LOCA ANALYSIS	03/29/91	04/12/91	No †
M80427		SAN ONDFRE 1 - REFILL VOLUME DIFFERENCES	05/17/91	09/15/91	No †
M80465		SAN ONDFRE 1 - INTEGRATED LEAK RATE TEST APPENDIX J EXEMPTION	05/22/91	Incomplete	No
M80467		SAN ONDFRE 1 - TEST PRESSURE FOR CONTAINMENT INTERGRITY TESTING	05/22/91	Incomplete	No
M80645		SAN ONDFRE 1 - CONTROL ROD INSERTION LIMITS RESULTING FROM VOLUME ERROR (AA-196)	06/18/91	Incomplete	No

ACTIONS INITIATED BY SCE  
(continued)

TAC Num	MPA Num	Title	Start Date	NRC Review	Implementation Documented
MB1716		SAN ONDFRE 1 - CANTAINMENT TSP AND BORON INVENTORY LIMITS (AA-198)	09/17/91	Incomplete	No
MB1804		SAN ONDFRE 1 - CORE REACTIVITY MONITORING REQUIREMENTS (AA-197)	07/27/91	Incomplete	No
MB1805		SAN ONDFRE 1 - CORE AXIAL OFFSET LIMITS (AA-196)	06/18/91	Incomplete	No
MB1806		SAN ONDFRE 1 - LICENSE EXTENSION (AA-200)	10/01/91	Incomplete	No

## ACTIONS INITIATED BY NRC

TAC Num	MPA Num	Title	Start Date	NRC Review	Implementation Documented
M06320	A002	SAN ONDFRE 1 - GENERIC-WCAP 8802 AUGMENTED INSER. INSPEC. OF PIPE WELDS AT RV NOZZLES - ALTERNATE	(--/--/--)	08/08/79	No †
M10051	B023	SAN ONDFRE 1 - POTENTIAL EQUIPMENT FAILURES ASSOCIATED WITH GRID VOLTAGE	08/12/76	01/02/90	No †
M10189	B024	SAN ONDFRE 1 - CONTAINMENT PURGE	(--/--/--)	03/15/81	No †
M13178	D004	SAN ONDFRE 1 - REACTOR VESSEL CAVITY SEAL RING	02/02/78	02/01/84	No †
M41435		SAN ONDFRE 1 - III.5.A-EFFECTS OF PIPE BREAKS ON STRUCTURES, SYSTEMS AND COMPONENTS INSIDE CONTAINMENT	(--/--/--)	04/26/84	No
M41473		SAN ONDFRE 1 - III.5.B-PIPE BREAKS OUTSIDE CONTAINMENT	(--/--/--)	04/23/84	No
M41672		SAN ONDFRE 1 - VI.4-CONTAINMENT ISOLATION SYSTEM	(--/--/--)	10/27/83	No
M42615	B024	SAN ONDFRE 1 - LONG TERM REVIEW CONTAINMENT PURGE AND VENT	11/29/78	02/17/84	No †
M42777	B062	SAN ONDFRE 1 - ESF RESET CONTROL DESIGN DEFICIENCY - I&E BULLETIN 80-06	03/13/80	10/05/82	No †
M43664	C014	SAN ONDFRE 1 - SEISMIC QUALIFICATION OF THE AUXILIARY FEEDWATER SYSTEM	02/10/81	07/01/86	No †
M46482		SAN ONDFRE 1 - NUREG-0737 III.D.3.4, CONTROL ROOM HABITABILITY	(--/--/--)	02/03/84	No
M47074		SAN ONDFRE - REVIEW OF THE DESIGN & OPERATION OF VENTILATION SYSTEMS	(--/--/--)	04/01/85	No †
M48388	B048	SAN ONDFRE 1 - ADEQUACY OF STATION ELECTRIC DISTRIBUTION VOLTAGES	05/01/80	07/29/83	No †
M51130	A017	SAN ONDFRE1 - INSTRUMENTATION TO FOLLOW THE COURSE OF AN ACCIDENT (RG 1.97)	12/16/85	02/22/91	No
M51280	F009	SAN ONDFRE 1 - I.D.2.3-SAFETY PARAMETER DISPLAY CONSOLE - FULLY IMPLEMENTED	03/17/87	07/17/89	No

ACTIONS INITIATED BY NRC  
(continued)

TAC Num	MPA Num	Title	Start Date	NRC Review	Implementation Documented
M53630	B085	SAN ONDFRE 1 - ITEM 1.2 - POST TRIP REVIEW-DATA AND INFORMATION CAPABILITY	11/28/83	12/05/90	No
M56162	F071	SAN ONDFRE 1 - I.D.1.2-DETAILED CONTROL ROOM DESIGN REVIEW SUMMARY REPORT - F-71	12/16/85	01/02/90	No
M56408	F070	SAN ONDFRE 1 - III.D.3.4.3-CONTROL ROOM HABITABILITY - IMPLEMENT MODIFICATIONS	11/14/84	Incomplete	No
M64952		SAN ONDFRE 1 - STATION DISTRIBUTION VOLTAGE MONITORING AND ADMINISTRATIVE CONTROLS	06/19/86	Incomplete	No
M68598	A022	SAN ONDFRE 1 - IMPLEMENTATION OF THE STATION BLACKOUT RULE, 10CFR50.63	04/17/89	Incomplete	No
M71713	B107	SAN ONDFRE 1 - INSTRUMENT AIR (GENERIC LETTER 88-14)	08/30/90	11/05/90	No
M72163	X811	SAN ONDFRE 1 - BULLETIN 88-11 PRESSURIZER SURGE LINE THERMAL STRATIFICATION	06/01/89	02/12/92	No
M73198	X901	SAN ONDFRE 1 - FAILURE OF WESTINGHOUSE STEAM GENERATOR TUBE MECHANICAL PLUGS (BULLETIN 89-01)	06/19/89	08/30/89	No
M73703	F072	SAN ONDFRE 1 - SAFETY PARAMETER DISPLAY SYSTEM - RESPONSE TO GL 89-06"	07/12/89	01/02/90	No
M73736		SAN ONDFRE 1 - QUALITY GROUP CLASSIFICATION (SEP TO PIC III-1)	05/31/89	Incomplete	No
M74463	B111	SAN ONDFRE 1 - INDIVIDUAL PLANT EVALUATIONS (GL 88-20)	(--/--/--)	Incomplete	No
M74628	F075	SAN ONDFRE 1 - I.D.2.2, SAFETY PARAMETER DISPLAY CONSOLE - INSTALLED	07/12/89	01/02/90	No
M74993	B113	SAN ONDFRE 1 - USI A-47 - SAFETY IMPLICATIONS OF CONTROL SYSTEMS (GL 89-19)	04/17/90	Incomplete	No



ACTIONS INITIATED BY NRC  
(continued)

TAC Num -----	MPA Num ---	Title -----	Start Date -----	NRC Review -----	Implementation Documented -----
M75107		SAN ONDFRE 1 - THERMAL SHIELD REPAIR PLANS	10/06/89	Incomplete	No
M76356	B105	SAN ONDFRE 1- 6L-87-02 SEISMIC QUALIFICATION OF EQUIPMENT IN OPERATING PLANTS	10/07/88	Incomplete	No
M76486		SAN ONDFRE 1 - HIGH ENERGY LINE BREAK SCOPING ANALYSIS	04/03/90	Incomplete	No
M77376	B114	SAN ONDFRE 1 - GENERIC LETTER 90-06 (61-70) PORV AND BLOCK VALVE RELIABILITY	12/27/90	Incomplete	No
M77449	B115	SAN ONDFRE 1 - GENERIC LETTER 90-06 (61-94) - LOW TEMPERATURE OVERPRESSURE PROTECTION	12/27/90	Incomplete	No
M79020		SAN ONDFRE 1 - SINGLE FAILURE ANALYSIS REVIEW	07/31/90	Incomplete	No
M79689		SAN ONDFRE 1 - OVERPRESSURE MITIGATION SYSTEM (LTOP)	02/01/91	Incomplete	No
M81655	B117	SAN ONDFRE 1 - BULLETIN 89-01, SUPPLEMENT 2: FAILURE OF WESTINGHOUSE SG TUBE MECHANICAL PLUGS	08/30/91	Incomplete	No

## ACTIONS TO BE COMPLETED

TAC Num	MPA Num	Title	Start Date	NRC Review	Implementation Documented
M76808		SAN ONDFRE 1 - REVISES SEP COOLING REQUIREMENTS	05/16/90	07/16/90	No
M82259		SAN ONDFRE 1 - DDCM REVISION 6	05/31/91	03/11/92	No
M83123		SAN ONDFRE 1 - APPLICATION FOR POSSESSION ONLY LICENSE (AA-203)	04/02/92	Incomplete	No
M83124		SAN ONDFRE 1 - FOUR MONTH EXTENSION OF STEAM GENERATOR INSPECTION INTERVAL (AA-206)	04/06/92	Incomplete	No
M83164		SAN ONDFRE 1 - RWST DEGRADATION	04/26/92	Incomplete	No
M83927	X201	SAN ONDFRE 1 - THERMO-LAG (BULLETIN 92-01)	07/30/92	Incomplete	No

ACTIONS TO BE REOPENED  
IF SAN ONDFRE 1 IS RESTARTED AFTER CYCLE 11

TAC Num	MPA Num	Title	Start Date	NRC Review	Action Closed
M45171	F026	SAN ONDFRE 1 - II.F.2.4-INSTRUMENTATION FOR ICC - INSTALL ADDITIONAL INSTRUMENTATION	06/20/86	04/23/92	04/23/92
M65867		SAN ONDFRE 1 - IPSAR SECTION 4.12.2 - CONTAINMENT BUCKLING	03/30/84	06/04/92	09/26/91
M74629	F083	"SAN ONDFRE 1 - II.F.2.3-INSTRUMENTATION FOR DETECTION OF ICC - DES. OTHER	06/20/86	04/23/92	12/12/91
M83509	B120	SAN ONDFRE 1 - GENERIC LETTER 92-01 - REACTOR VESSEL STRUCTURAL INTEGRITY	05/15/92	06/03/92	05/15/92