



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005**

August 30, 2004

Harold B. Ray, Executive Vice President  
San Onofre, Units 2 and 3  
Southern California Edison Co.  
P.O. Box 128, Mail Stop D-3-F  
San Clemente, CA 92674-0128

**SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - SAN ONOFRE  
NUCLEAR GENERATING STATION**

Dear Mr. Ray:

On August 5, 2004, the NRC staff completed its midcycle plant performance assessment of the San Onofre Nuclear Generating Station. The midcycle review for the San Onofre Nuclear Generating Station involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

This performance review and inspection plan does not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for Unit 2 during the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a White performance indicator for Scrams with Loss of Normal Heat Removal (Initiating Events Cornerstone). This resulted from an automatic reactor trip during the second quarter of 2002 because of a main steam isolation signal, an automatic reactor trip during the fourth quarter of 2002 because of a low steam generator water level caused by a feedwater regulating valve failure, and a manual trip during the second quarter of 2004 because of a loss of main feedwater.

We plan to conduct a supplemental inspection during the fourth quarter of 2004 in accordance with NRC Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area," to review the actions taken in response to this White performance indicator. The purpose of this supplemental inspection will be to provide assurance that the root and contributing causes for the White performance indicator are understood, to provide assurance that the extent of condition and extent of cause are identified, and to provide assurance that the corrective actions are sufficient to address the root and contributing causes to prevent their recurrence.

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through March 31, 2006. In addition to the baseline inspection program, Temporary Instruction 2515/150, "Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)," will be performed during this inspection cycle.

The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 12 months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mr. Kriss Kennedy, Chief, Branch C, at (817) 860-8144 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Arthur T. Howell III, Director  
Division of Reactor Projects

Dockets: 50-361, 50-362  
Licenses: NPF-10, NPF-15

Enclosure:  
San Onofre Nuclear Generating Station Inspection/Activity Plan

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**RidsNrrDipmLipb**

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ADAMS:  Yes  No Initials: ATH

Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

S:\DRP\DRPDIR\MIDCYCLE 2004\SONGS.wpd

| RIV:DRP/PE/C | C:DRP/C      | D:DRS         | D:DRP    |  |
|--------------|--------------|---------------|----------|--|
| RVAzua;mjs   | KMKennedy    | DDChamberlain | ATHowell |  |
| /RA/         | WCWalker for | VLOrdaz for   | /RA/     |  |
| 8/13/04      | 8/18/04      | 8/25/04       | 8/28/04  |  |

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T=Telephone

E=E-mail

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**San Onofre**  
**Inspection / Activity Plan**  
**08/01/2004 - 03/31/2006**

| Unit Number | Inspection Activity                                     | Title                                                                                  | No. of Staff on Site | Planned Dates Start | Planned Dates End | Inspection Type      |
|-------------|---------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------|---------------------|-------------------|----------------------|
|             | <b>PEB-05T - TRIENNIAL FIRE PROTECTION INSPECTION</b>   |                                                                                        | <b>5</b>             |                     |                   |                      |
| 2,3         | IP 7111105T                                             | Fire Protection                                                                        |                      | 08/09/2004          | 08/20/2004        | Baseline Inspections |
|             | <b>ALARA1 - ALARA PLANNING AND CONTROLS</b>             |                                                                                        | <b>1</b>             |                     |                   |                      |
| 2,3         | IP 7112102                                              | ALARA Planning and Controls                                                            |                      | 08/02/2004          | 08/06/2004        | Baseline Inspections |
|             | <b>PEB-52 - BIENNIAL PIR</b>                            |                                                                                        | <b>4</b>             |                     |                   |                      |
| 2,3         | IP 71152B                                               | Identification and Resolution of Problems                                              |                      | 09/13/2004          | 09/24/2004        | Baseline Inspections |
|             | <b>EB-08P - ISI U3 - VESS VOL (TI 150/152) AS REQ</b>   |                                                                                        | <b>2</b>             |                     |                   |                      |
| 3           | IP 7111108P                                             | Inservice Inspection Activities - PWR                                                  |                      | 10/04/2004          | 10/08/2004        | Baseline Inspections |
| 3           | IP 7111108P                                             | Inservice Inspection Activities - PWR                                                  |                      | 10/18/2004          | 10/22/2004        | Baseline Inspections |
|             | <b>TI-150 - RPV AND VESSEL HEAD PENET. NOZZLES</b>      |                                                                                        | <b>1</b>             |                     |                   |                      |
| 3           | IP 2515/150                                             | Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02 |                      | 10/05/2004          | 11/03/2004        | Safety Issues        |
|             | <b>TI-153 - TEMPORARY INSTRUCTION TI-153</b>            |                                                                                        | <b>1</b>             |                     |                   |                      |
| 3           | IP 2515/153                                             | Reactor Containment Sump Blockage (NRC Bulletin 2003-01)                               |                      | 10/08/2004          | 11/11/2004        | Safety Issues        |
|             | <b>OB-INIT - INITIAL EXAM</b>                           |                                                                                        | <b>4</b>             |                     |                   |                      |
| 2           | X02279                                                  | SONGS UNIT 2 (11/04) INITIAL EXAM                                                      |                      | 04/04/2005          | 04/08/2005        | Not Applicable       |
| 3           | X02280                                                  | SONGS UNIT 3 (11/04) - INITIAL EXAM                                                    |                      | 04/04/2005          | 04/08/2005        | Not Applicable       |
| 2           | X02279                                                  | SONGS UNIT 2 (11/04) INITIAL EXAM                                                      |                      | 04/25/2005          | 04/29/2005        | Not Applicable       |
| 3           | X02280                                                  | SONGS UNIT 3 (11/04) - INITIAL EXAM                                                    |                      | 04/25/2005          | 04/29/2005        | Not Applicable       |
|             | <b>ALARA2 - ALARA PLANNING AND CONTROLS</b>             |                                                                                        | <b>1</b>             |                     |                   |                      |
| 2,3         | IP 7112102                                              | ALARA Planning and Controls                                                            |                      | 01/10/2005          | 01/14/2005        | Baseline Inspections |
|             | <b>OB-INIT - INITIAL EXAM</b>                           |                                                                                        | <b>4</b>             |                     |                   |                      |
| 2           | X02289                                                  | SONGS UNIT 2 (07/05) - INITIAL EXAM                                                    |                      | 10/03/2005          | 10/07/2005        | Not Applicable       |
| 3           | X02290                                                  | SONGS UNIT 2 (07/05) - INITIAL EXAM                                                    |                      | 10/03/2005          | 10/07/2005        | Not Applicable       |
| 2           | X02289                                                  | SONGS UNIT 2 (07/05) - INITIAL EXAM                                                    |                      | 10/24/2005          | 10/28/2005        | Not Applicable       |
| 3           | X02290                                                  | SONGS UNIT 2 (07/05) - INITIAL EXAM                                                    |                      | 10/24/2005          | 10/28/2005        | Not Applicable       |
| 2           | X02289                                                  | SONGS UNIT 2 (07/05) - INITIAL EXAM                                                    |                      | 10/31/2005          | 11/11/2005        | Not Applicable       |
|             | <b>ACRSA - ACCESS CONTROLS TO RAD SIGNIFICANT AREAS</b> |                                                                                        | <b>1</b>             |                     |                   |                      |
| 2,3         | IP 7112101                                              | Access Control to Radiologically Significant Areas                                     |                      | 03/14/2005          | 03/18/2005        | Baseline Inspections |
|             | <b>OB-EP EX - EMERGENCY PREPAREDNESS EXERCISE</b>       |                                                                                        | <b>3</b>             |                     |                   |                      |
| 2,3         | IP 7111401                                              | Exercise Evaluation                                                                    |                      | 04/11/2005          | 04/15/2005        | Baseline Inspections |
| 2,3         | IP 7111404                                              | Emergency Action Level and Emergency Plan Changes                                      |                      | 04/11/2005          | 04/15/2005        | Baseline Inspections |
| 2,3         | IP 71151                                                | Performance Indicator Verification                                                     |                      | 04/11/2005          | 04/15/2005        | Baseline Inspections |
|             | <b>OB-RQ - REQUAL INSPECTION</b>                        |                                                                                        | <b>2</b>             |                     |                   |                      |
| 2,3         | IP 7111111B                                             | Licensed Operator Requalification Program                                              |                      | 09/26/2005          | 09/30/2005        | Baseline Inspections |

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**San Onofre**  
**Inspection / Activity Plan**  
**08/01/2004 - 03/31/2006**

| Unit Number | Inspection Activity                                  | Title                                                            | No. of Staff on Site | Planned Dates Start | Planned Dates End | Inspection Type      |
|-------------|------------------------------------------------------|------------------------------------------------------------------|----------------------|---------------------|-------------------|----------------------|
|             | <b>PEB-07B - HX PERFORMANCE</b>                      |                                                                  | <b>1</b>             |                     |                   |                      |
| 2,3         | IP 7111107B                                          | Heat Sink Performance                                            |                      | 10/03/2005          | 10/07/2005        | Baseline Inspections |
|             | <b>EB08P - ISI U2 - VESS VOL (T1 150/152) AS REQ</b> |                                                                  | <b>1</b>             |                     |                   |                      |
| 2           | IP 7111108P                                          | Inservice Inspection Activities - PWR                            |                      | 11/14/2005          | 11/18/2005        | Baseline Inspections |
| 2           | IP 7111108P                                          | Inservice Inspection Activities - PWR                            |                      | 11/28/2005          | 12/02/2005        | Baseline Inspections |
|             | <b>ALARA3 - ALARA PLANNING AND CONTROLS</b>          |                                                                  | <b>1</b>             |                     |                   |                      |
| 2,3         | IP 7112102                                           | ALARA Planning and Controls                                      |                      | 12/05/2005          | 12/09/2005        | Baseline Inspections |
|             | <b>EP2 - EMERG PREPAREDNESS PROGRAM INSPECTION</b>   |                                                                  | <b>1</b>             |                     |                   |                      |
| 2,3         | IP 7111402                                           | Alert and Notification System Testing                            |                      | 02/13/2006          | 02/17/2006        | Baseline Inspections |
| 2,3         | IP 7111403                                           | Emergency Response Organization Augmentation Testing             |                      | 02/13/2006          | 02/17/2006        | Baseline Inspections |
| 2,3         | IP 7111404                                           | Emergency Action Level and Emergency Plan Changes                |                      | 02/13/2006          | 02/17/2006        | Baseline Inspections |
| 2,3         | IP 7111405                                           | Correction of Emergency Preparedness Weaknesses and Deficiencies |                      | 02/13/2006          | 02/17/2006        | Baseline Inspections |
| 2,3         | IP 71151                                             | Performance Indicator Verification                               |                      | 02/13/2006          | 02/17/2006        | Baseline Inspections |