



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
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ARLINGTON, TEXAS 76011-4005

March 2, 2005

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: ANNUAL ASSESSMENT LETTER - SAN ONOFRE NUCLEAR GENERATING  
STATION (REPORT 05000361/2005001; 05000362/2005001)

Dear Mr. Ray:

On February 2, 2005, the NRC staff completed its end-of-cycle plant performance assessment of the San Onofre Nuclear Generating Station. The end-of-cycle review for the San Onofre Nuclear Generating Station involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. 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 enclosed inspection plan do not include physical protection information. A separate end-of-cycle performance review 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.

Overall, the San Onofre Nuclear Generating Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Unit 3 during the most recent quarter, as well as the first three quarters of the assessment cycle, was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Plant performance for Unit 2 during the most recent quarter and the second and third quarters of the assessment cycle was within the Regulatory Response Column of the NRC's Action Matrix, based on a White PI for Scrams with Loss of Normal Heat Removal (Initiating Events). The PI results stem from an automatic reactor trip during the second quarter of 2002 because of a main steam isolation signal, an automatic trip during the fourth quarter of 2002 because of a low steam generator 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.

A supplemental inspection was performed in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area." Your staff performed

a comprehensive and thorough evaluation in which specific problems were identified, an adequate root cause evaluation was performed, and corrective actions were taken or planned to prevent recurrence.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through September 30, 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 at San Onofre, Unit 2, and Temporary Instruction 2515/160, "Pressurizer Penetration Nozzles and Steam Space Piping Connections (NRC Bulletin 2004-01)," will be performed at San Onofre, Units 2 and 3, 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 9 months of the inspection plan are tentative and may be revised at the midcycle 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (817/860-8248) 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 Inspection/Activity Plan

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SISP Review Completed: \_\_mch\_\_ ADAMS: / Yes G No Initials: \_\_mch\_  
 / Publicly Available G Non-Publicly Available G Sensitive / Non-Sensitive

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RIV:C:DRP/C	D:DRS	D:DRP		
MCHay;df	DDChamberlain	ATHowell III		
<b>/RA/</b>	<b>/RA/</b>	<b>/RA/</b>		
2/23/05	2/25/05	3/2/05		

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F=Fax

**San Onofre**  
**Inspection / Activity Plan**  
**03/04/2005 - 09/30/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
<b>OB-INIT - INITIAL EXAM</b>			<b>5</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>OB-INIT - INITIAL EXAM</b>			<b>5</b>			
2	X02289	SONGS UNIT 2 (07/05) - INITIAL EXAM		10/03/2005	10/07/2005	Not Applicable
3	X02290	SONGS UNIT 3 (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 3 (07/05) - INITIAL EXAM		10/24/2005	10/28/2005	Not Applicable
<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 711151	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
<b>OB-RQ - OPERATOR REQUALIFICATION</b>			<b>3</b>			
2,3	IP 7111111B	Licensed Operator Requalification Program		09/26/2005	09/30/2005	Baseline Inspections
<b>PEB-07B - HX PERFORMANCE</b>			<b>2</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>TI-160 - TI-160 RESIDENT PORTION</b>			<b>2</b>			
2	IP 2515/160	Pzr Pene Nozzles & Stm Space Piping Connections in U.S. PWRs [NRC Bulletin 2004-01]		11/28/2005	12/31/2005	Safety Issues
<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>ACRSA - ACCESS CONTROLS TO RAD SIGNIFICANT AREAS</b>			<b>1</b>			
2,3	IP 7112101	Access Control to Radiologically Significant Areas		12/12/2005	12/16/2005	Baseline Inspections
<b>OB-EP2 - EMERG PREP PRGM INSP</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 711151	Performance Indicator Verification		02/13/2006	02/17/2006	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**  
**03/04/2005 - 09/30/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>ALARA2</b>	<b>- ALARA PLANNING AND CONTROLS</b>	<b>1</b>			
2,3	IP 7112102	ALARA Planning and Controls		02/13/2006	02/17/2006	Baseline Inspections
	<b>EP2</b>	<b>- 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
	<b>RP TEAM</b>	<b>- RP SAFETY TEAM</b>	<b>3</b>			
2,3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/27/2006	03/03/2006	Baseline Inspections
2,3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		02/27/2006	03/03/2006	Baseline Inspections
2,3	IP 7112202	Radioactive Material Processing and Transportation		02/27/2006	03/03/2006	Baseline Inspections
2,3	IP 7112203	Radiological Environmental Monitoring Program		02/27/2006	03/03/2006	Baseline Inspections
	<b>MR</b>	<b>- SONGS MAINTENANCE EFFECTIVENESS</b>	<b>1</b>			
2,3	IP 7111112B	Maintenance Effectiveness		05/22/2006	05/26/2006	Baseline Inspections
	<b>EB</b>	<b>- PERMANENT PLANT MODS</b>	<b>2</b>			
2,3	IP 7111117B	Permanent Plant Modifications		06/12/2006	06/16/2006	Baseline Inspections
	<b>TI-160</b>	<b>- TI-160 RESIDENT PORTION</b>	<b>2</b>			
3	IP 2515/160	Pzr Pene Nozzles & Stm Space Piping Connections in U.S. PWRs [NRC Bulletin 2004-01]		06/17/2006	08/01/2006	Safety Issues
	<b>EB08</b>	<b>- ISI-P</b>	<b>1</b>			
3	IP 7111108P	Inservice Inspection Activities - PWR		06/19/2006	07/21/2006	Baseline Inspections
	<b>ACRSA</b>	<b>- ACCESS CONTROL TO RAD SIGNIFICANT AREAS</b>	<b>1</b>			
2,3	IP 7112101	Access Control to Radiologically Significant Areas		06/26/2006	06/30/2006	Baseline Inspections
	<b>PEB</b>	<b>- SONGS PIR INSPECTION</b>	<b>3</b>			
2,3	IP 71152B	Identification and Resolution of Problems		09/11/2006	09/15/2006	Baseline Inspections
2,3	IP 71152B	Identification and Resolution of Problems		09/25/2006	09/29/2006	Baseline Inspections
	<b>OB-RQ</b>	<b>- REQUALIFICATION</b>	<b>3</b>			
2,3	IP 7111111B	Licensed Operator Requalification Program		09/19/2006	09/23/2006	Baseline Inspections