



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

July 20, 2007

Richard M. Rosenblum  
Senior Vice President and  
Chief Nuclear Officer  
Southern California Edison Company  
San Onofre Nuclear Generating Station  
P.O. Box 128  
San Clemente, CA 92674-0128

SUBJECT: SUMMARY OF SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)  
END-OF-CYCLE PUBLIC MEETING

Dear Mr. Rosenblum:

This refers to the End-of-Cycle public meeting conducted in San Clemente, CA, on July 12, 2007, between the NRC and your staff. The participants discussed performance at San Onofre for the period January 1 through December 31, 2006.

The attendance list is enclosed with this summary (Enclosure 1). A copy of the presentation slides is also enclosed (Enclosure 2).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures 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).

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. Clark", is written over the typed name.

Jeff Clark, PE, Chief  
Project Branch E  
Division of Reactor Projects

Docket Nos: 50-361; 50-362  
License Nos: NPF-10; NPF-15

Enclosures:

1. Attendance List
2. NRC Presentation Slides

cc w/Enclosures:

Walter F. Ekard  
Chief Administrative Officer  
San Diego County  
1600 Pacific Coast Highway, Suite 209  
San Diego, CA 92101

Mayor  
City of San Juan Capistrano  
32400 Paseo Adelanto  
San Juan Capistrano, CA 92675

David Adams, City Manager  
City of San Juan Capistrano  
32400 Paseo Adelanto  
San Juan Capistrano, CA 92675

The Honorable Wayne Eggleston, Mayor  
City of San Clemente  
100 Avenida Presidio  
San Clemente, CA 92672

George Scarbrough, City Manager  
City of San Clemente  
100 Avenida Presidio  
San Clemente, CA 92672

The Honorable Diane L. Harkey, Mayor  
City of Dana Point  
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Dana Point, CA 92629

Doug Chotkevys, City Manager  
City of Dana Point  
33282 Golden Lantern, Suite 203  
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Mike Rose, Emergency Services  
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Ziad Mazboudi, Senior Civil Engineer  
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Richard Rozzelle, District Superintendent  
Orange Coast District  
California Department of Parks &  
Recreation  
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Steve Long, Chief Ranger  
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Deputy City Attorney  
City of Riverside  
3900 Main Street  
Riverside, CA 92522

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Mayor  
City of San Clemente  
100 Avenida Presidio  
San Clemente, CA 92672

Southern California Edison Company

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Southern California Edison Company  
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Chief, Radiological Emergency  
Preparedness Section  
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1111 Broadway, Suite 1200  
Oakland, CA 94607-4052

## END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Southern California Edison / San Onofre
DATE/TIME	July 12, 2007 - 6:00 pm
LOCATION	Country Plaza Inn 35 Via Pico Plaza San Clemente, CA 92672
NAME (PLEASE PRINT)	ORGANIZATION
MIKE FENNESSY	ORANGE COUNTY HEALTH CARE AGENCY
RICH HYDEN	CA. STATE PARKS
STEVE LONG	CA. STATE PARKS
Clay E. Williams	SCE
Randy Styne	OC HCA
JERRY COLLAMER	SAN CLEMENTE RESIDENT.
Gil Alexander	SCE
Michelle Skiermont	State of CA

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LICENSEE/FACILITY	Southern California Edison / San Onofre
DATE/TIME	July 12, 2007 - 6:00 pm
LOCATION	Country Plaza Inn 35 Via Pico Plaza San Clemente, CA 92672
NAME (PLEASE PRINT)	ORGANIZATION
KAYLEEN YHIP	SCE
JACK E WALLACE	San Clemente
Mary Jane Johnson	San Clemente
Pete Lawrence	Oceanside Fire Dept.
Barbara Culverhouse	SCE
SUSAN ASTURIAS	SAN Diego County OES

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DATE/TIME	July 12, 2007 - 6:00 pm
LOCATION	Country Plaza Inn 35 Via Pico Plaza San Clemente, CA 92672
NAME (PLEASE PRINT)	ORGANIZATION
WAYNE C. WALKER	US NRC RIV
Jim Russell	City San Clemente
Denise Brady	County of Orange
Eugene Cannon	Retired Person
SAVANNAH SITEK	ORANGE COUNTY
Alan Hirasuna	Resident S Clemente
Frank Phelps	Resident, San Clemente
Art Howell	NRC
MIKE DRAKE	MCB CAMP PENDLETON
A E SCHERER	SCE
AM Rosenthal	SCE
MIKE GANTON	CITY SAN JUAN CAPISTRANO
VICKI OSBORN	OCSO EMERGENCY MAN.

# San Onofre Nuclear Generating Station Annual Assessment Meeting

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Reactor Oversight Process - CY 2006



Nuclear Regulatory Commission - Region IV  
Arlington, Texas  
July 12, 2007



# Purpose of Today's Meeting

- A public forum for the NRC and Southern California Edison to discuss San Onofre Nuclear Generating Station's (SONGS) 2006 performance
- NRC will address performance issues identified in the annual assessment letter
- Following our portion of the presentation, Southern California Edison Company will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

# Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of SONGS Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- NRC available to address public questions

# Region IV Organization

**Dr. Bruce Mallett**  
Regional Administrator

**Thomas P. Gwynn**  
Deputy Regional Administrator

**Arthur T. Howell III**  
Director Division of Reactor Projects

**Anton Vogel**  
Deputy Director

**Jeff Clark**  
Branch Chief

San Onofre Nuclear Generating Station  
Resident Inspectors  
**Clyde Osterholtz**  
**Mark Sitek**

Project Engineers  
**George Replogle**  
**John Hanna**  
**John Kirkland**

**Dwight Chamberlain**  
Director Division of Reactor Safety

**Roy Caniano**  
Deputy Director

Regional Specialists

NRR Project Manager  
**Kaly Kalyanam**

# NRC Representatives

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- Arthur T. Howell, Director, DRP
  - (817) 860-8248
- Clyde Osterholtz, Senior Resident Inspector
  - (949) 492-2641
- Mark Sitek, Resident Inspector
  - (949) 492-2641
- Jeff Clark, Branch Chief
  - (817) 860-8147

# Review of Reactor Oversight Process

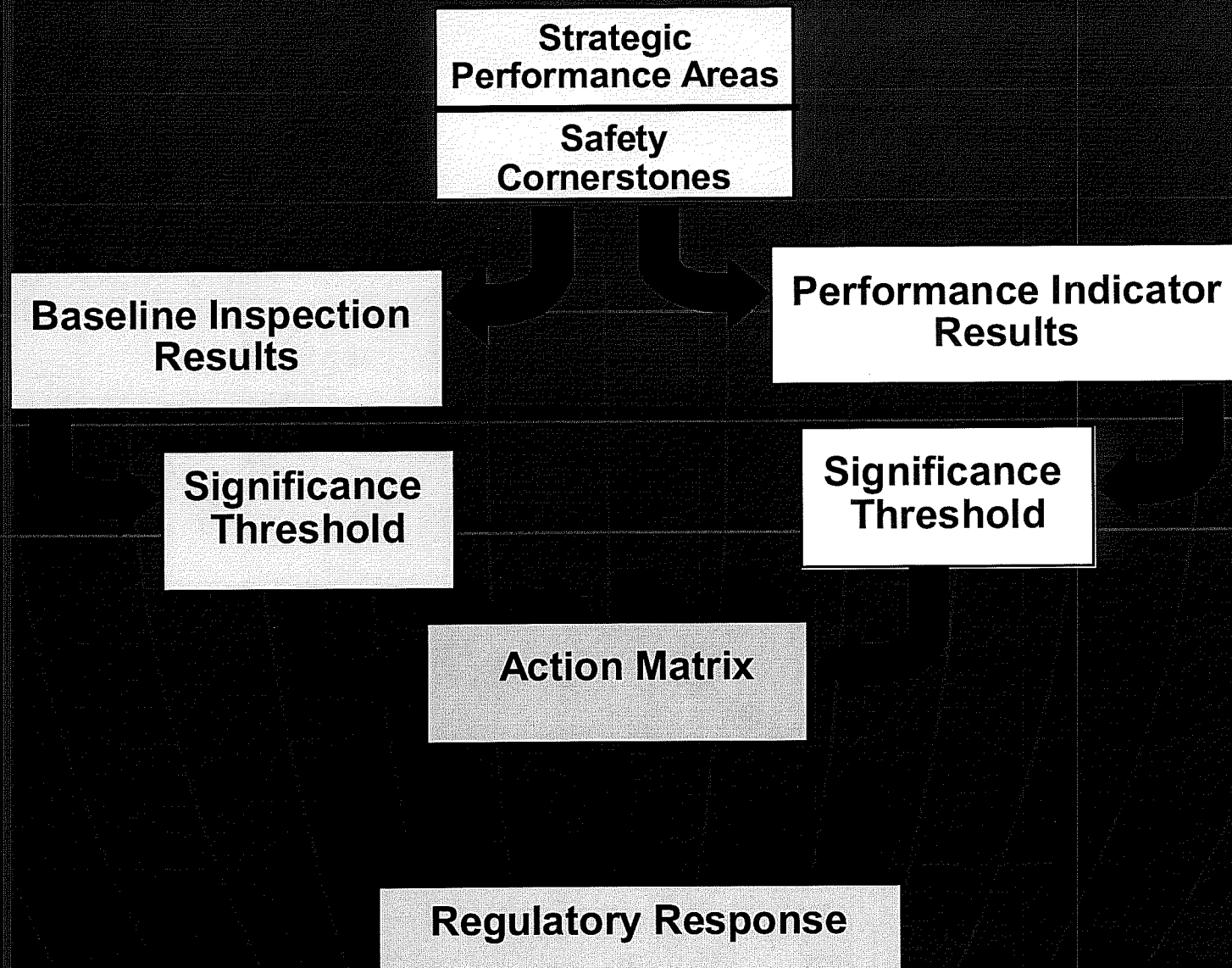
Clyde Osterholtz, Senior Resident Inspector

# NRC Performance Goals

- Safety: Ensure protection of the public health and safety and the environment
- Security: Ensure the secure use and management of radioactive materials
- Openness: Ensure openness in our regulatory process
- Effectiveness: Ensure that NRC actions are effective, efficient, realistic, and timely
- Management: Ensure excellence in agency management to carry out the NRC's strategic objective



# Reactor Oversight Process



## Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs every 2 yrs
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr



# Significance Threshold

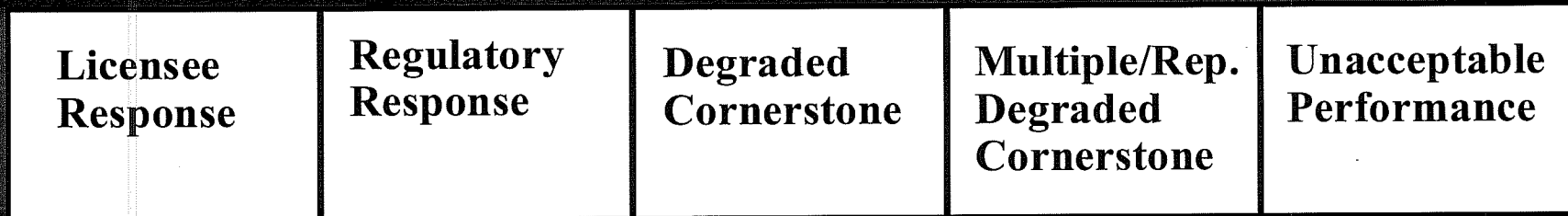
## Performance Indicators

Green:	Only Baseline Inspection
White:	May increase NRC oversight
Yellow:	Requires more NRC oversight
Red:	Requires more NRC oversight

## Inspection Findings

Green:	Very Low safety issue
White:	Low to moderate safety issue
Yellow:	Substantial safety issue
Red:	High safety issue

# Action Matrix Concept



**Increasing Safety Significance**

**Increasing NRC Inspection Efforts**

**Increasing NRC/Licensee Management Involvement**

**Increasing Regulatory Actions**

# National Summary of Plant Performance

Status at End of CY 2006

Licensee Response	70
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Regulatory Response	24
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Degraded Cornerstone	6
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Multiple/Repetitive Degraded Cornerstone	3
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Unacceptable	0
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Total	103
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# National Summary

- **Performance Indicator Results (at end of CY 2006)**

▶ Green	1843
▶ White	11
▶ Yellow	0
▶ Red	0

- **Total Inspection Findings (CY 2006)**

▶ Green	676
▶ White	13
▶ Yellow	0
▶ Red	0

# **San Onofre Nuclear Generating Station Performance**

**Mark Sitek, Resident Inspector**

# San Onofre Nuclear Generating Station

## Assessment Results

(Jan 1 - Dec 31, 2006)

- 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 performance indicators indicating performance at a level requiring no additional NRC oversight (Green).



# San Onofre Nuclear Generating Station Inspection Activities

(Jan 1 - Dec 31, 2006)

- Inspection Effort
  - 1286 Resident Inspection Hours
  - 1582 Regional Inspection Hours

# San Onofre Nuclear Generating Station

## Additional Inspection Activities

(Jan 1 - Dec 31, 2006)

- Temporary Instruction
  - TI-150 “Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles”
  - TI-160 “Pressurizer Penetration Nozzles and Steam Space Piping Connections in U.S. Pressurized Water Reactors”
  - TI-165 “Operational Readiness of Offsite Power and Impact On Plant Risk”
  - TI-169 “Mitigating Systems Performance Index Verification”
- Refueling Outage Inspection
  - Unit 2, January 3, 2006 to April 16, 2006.
  - Unit 3, October 16, 2006 to December 12, 2006.



# San Onofre Nuclear Generating Station Annual Assessment Summary

(Jan 1 - Dec 31, 2006)

- SCE operated the San Onofre Nuclear Generating Station in a manner that preserved public health and safety
- All cornerstone objectives were met with 13 findings of very low safety significance (Green)
- NRC plans baseline inspections at San Onofre Nuclear Generating Station for the remainder of this assessment period

# **Licensee Response and Remarks**

**Mr. Brian Katz**

**Vice President, Nuclear Oversight and Regulatory Affairs**

**San Onofre Nuclear Generating Station**

**Southern California Edison Company**

# Contacting the NRC

- Report an emergency
  - ▶ (301) 816-5100 (call collect)
- Report a safety concern:
  - ▶ (800) 695-7403
  - ▶ Allegation@nrc.gov
- General information or questions
  - ▶ [www.nrc.gov](http://www.nrc.gov)
  - ▶ Select “What We Do” for Public Affairs

# Reference Sources

- Reactor Oversight Process

- ▶ <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

- Public Electronic Reading Room

- ▶ <http://www.nrc.gov/reading-rm.html>

- Public Document Room

- ▶ 1-800-397-4209 (Toll Free)