



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

June 1, 2011

Pete Dietrich  
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: MEETING SUMMARY FOR PUBLIC MEETING WITH SOUTHERN  
CALIFORNIA EDISON

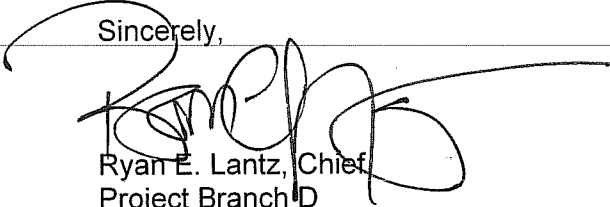
Dear Mr. Dietrich:

On April 28, 2011, representatives of Southern California Edison met with NRC personnel at the Capistrano Unified School District Board Room in San Juan Capistrano, CA. The meeting was held to present and discuss the performance results for San Onofre Nuclear Generating Station, Units 2 and 3 for the period of January 1 through December 31, 2010. The meeting attendance list and a copy of the NRC presentation and licensee presentation are included as Enclosures 1, 2, and 3.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the Public Electronic Reading Room page of the NRC's public web site at [www.nrc.gov/reading-room/adams.html](http://www.nrc.gov/reading-room/adams.html).

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Sincerely,



Ryan E. Lantz, Chief  
Project Branch D  
Division of Reactor Projects

Docket Nos. 50-361, 50-362  
License Nos. NPF-10, NPF-15

Enclosures:

1. Meeting Attendance List
2. NRC Presentation
3. Southern California Edison Presentation

Southern California Edison

-2-

cc: Distribution via ListServ

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- Congressional Affairs Officer (Jenny.Weil@nrc.gov)
- OEMail Resource

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ADAMS: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> SUNSI Review Complete	Reviewer Initials: <i>M</i>
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	<input type="checkbox"/> Non-publicly Available	<input type="checkbox"/> Sensitive
RIV/SPE: DRP/D	C: DRP/D	
DALLEN	RLANTZ	
<i>PA SODA 6/1/11</i>	<i>RL 6/1/11</i>	

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

PUBLIC MEETING ATTENDANCE		
LICENSEE/FACILITY	Southern California Edison / San Onofre Nuclear Generating Station	
DATE/TIME	April 28, 2011 - 6pm PST	
CONFERENCE LOCATION	Capistrano Unified School District Board Room 33122 Valle Rd., San Juan Capistrano CA	
NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Debra Gray		
Tim Brown	City of San Clemente	City Councilman
DIANE HENNESSY	RESIDENT - SAN CLEMENTE	
Bill Rawlings		Nuclear Professional
KEVIN POWZEE		
Mike Fitzgerald	SONGS	Nuclear Professional
MARK MAY		Nuclear Professional
Kend Johnson	SONGS	Nuclear Professional
Miguelito C. Knight		
Deborah Knight	SONGS	Nuclear Professional
LORI KLOEFKORN	SONGS	
RICH WHITEHOUSE	SONGS	TRAINING SPECIALIST
KEN WRIGHT	SONGS	NUCLEAR TRAINING INSTRUCTOR ENGINEERING TRAINING
John Hopson		
Vanessa Aguiar	SONGS	Supervisor

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Matthew Clark	SCE	PEC
Rob Sandstrom	SCE	MGR
Marsha Christmas	SCE	EXEC ASST.
Larna Powell	SCE	Res. Analyst
ARTRIS WILSON	SCE	TRAINING COORD.
Nadine Armstrong	SCE	HR Consultant
MARTIN RAINE	SEN. MIMI WALTERS	DISTRICT DIRECTOR
Andrew Morales	SCE	APPZ
CRIG T. BEAUCHAMP	CREED/POC	ADVOCATE
Gretha Solozano	SCE	Manager Program
Swedina Hurt		
Debbie Wentz	SCE	Tech. Specialist
George Gregory	Green S/C	Consulting owner contractor
RICHARD BOYER	SCE	TECHNICAL SPLIT
KOTARO KATO	Nippon TV	reporter.

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
LORI DANCHAK	San Clemente	Mayor
Mat Peterson	SONGS	Engineer
Patricia Piroch	—	Adviser.
Rich Piroch	—	ENG
ROBERT CANDEARIA	SCE	OPERATOR
Dennis Hansen	SCE	Manager
Kelli Galligan	SCE	Manager
Lacy Skidmore	SCE	engineer
Chad Carothers	Cal Fire	Firefighter
KATHY YLIP	SCE	manager
Owen bralkowski	—	—
Laura Muesse		
DANNA FRASS	SONGS	Supervisor
Chris Cotes	SONGS	Manager
Jerry Collamer	San Clemente resident	Husband/father

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Laura Howard	SCE	PI
Jill Corral	SCE	Recovery
DALE HELVIG	RESIDENT	—
TODD FARRANO	SONGS / LOCAL 17th RESIDENT	CONCERNED LOCAL WATERWORKS
MIKE KNOWLTON	SONGS	MGR
Mona Lamm	Resident	
Daniel Dietendorf	SONGS	employee
Betsy Bran	Resident	
Arthur Hahn	BSEE	
Richard Morgal	Resident	
Richard Zehner	"	
Usha "	"	
CHRISTINE GOODHUE	Resident	Friends of the EARTH
SKIP MELVILLE	RESIDENT / SCE	MANAGER
Todd Gallier	Resident	

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Robert L Jones	SCE	Mgr. Sec. Projects
Tristan Ryles Close	SCE	Attorney
Esther Park	SCE	Attorney
Paul Zappas	SCE	Attorney
BOB NORMAN		
Andi Murray	SCE	Prog Mgr.
Elna Santara	SCE	Maintenance Coordinator
Dove Schell	SCE	Maintenance Coordinator
Walker Matthews	SCE	
Jayson Campbell	SCE-SON	
Scott A Campbell	SCE	HU Coordinator
Dean Yarbrough	SCE	
Mary Yarbrough	Resident	
Felipe Dominguez	NTV (media)	Producer
Diamond Fox	SCE	Change Management

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Oscar Flores	SCE	Dir. NOA
Liz Douglass	Self	Reporter
RYAN PETTU	SCE	NRA
Stacie Galang	SC Times	
TORGEN JOHNSON	SELF	
Claudia Berman	self	
FRANCIS BAKER	SELF	
Mehdi SAERAM	Self	
Jama Dahl	SCE	ASSISTANT OPERATIONS MANAGER
LENDAY BAZETT	SELF	
Row Cullins	Unem Project	
Carol M. Andrews	SCE	PR LR
Don Bannon	SCE	Sup 2
Loyd Wright	SCE	
Kathy Str. Koliro	SCE	NBA

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John Hurlucker	SCE	Supervisor
CORNE LAUMER	SCE	HPT
Laura Green	SCE	TSP
Gary Johnson	SCE	ENGINEERING MANAGER
JERRY RUBIN	Alliance for Survival	DIRECTOR
Lynda Hart		
Bob Kowal	SCE	Manager, O&H
JOHN BOSBOANS	SCE	PI
GARY KLING	SCE	Dir. P&S
BRUCE CAMPBELL	various	REV.
DAW CLEVENGER	SCE	Emergency Manager
KAREN PHELPS		
Suzanne Robinson		
Rich St. Onge	SCE	NRA
Bob Gilbert	SCE	Peer. Insp.

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DONNA Gilmore		
Michael Stevens		
Stacey Sargent		
Ney Williams		
Jim Morrison		
ADAM TOWNSEND	SC Patch	Editor
Br. on Borden		
Beth A. Nilsson		
W. Daniel Nilsson		
Jeff T. Allen		
Kate Buford	SCE	
MARINA FARMER	SCE	
Forrest M. Dumas	SCE	
Gigi Boss	NO Times	Reporter
Tom Zadravec	SCE	

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Ann Lassman	SELF	
DICK BANISTER	SELF	
Beverly Beck	SELF	
KARL ALDINGER	SELF	
VALERIE JOHNSON	SELF	
Paul Burgess	SELF	
Cristina Leon	LWV	
Marilyn J. O'Brien	LWV	
Alexandra Exelby	LWV	
Fidinea Garcia	SONGS	
Jeff Scott	SELF	
Brian Loran	CPUC	
Nicole Pappas	SELF	
Cynthia CARTER	Self	
Linda Conklin	SIC	

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Daniel Dominguez	UWUA LOCAL 246	Business Manager
Freda Swales	OC Register	reporter
Tom McCall	SCE	Plant Manager
Jaren Lott	CREED	
Richard McPherson	Retired Navy	Retired Ratings
Sarah Kaminaka	Chair IPC, County of Orange	Assistant Emergency Manager
Bill Brock	MLB	Atty
GARY HEADLUM	SCB	
Ann Stum	ITC	
Clyde Titus	SELF	
Edward Brooks	LWV - Self	-
Steve Wilson	Self	mwilson
Ed Wiggins	Self	-
Ace & Sharon Hoffner	self	
Jim Feinhammer		

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Tommy Brown	CU	OWNER
Mani Serejan		
LINDA RENFROU	Citygen	
Brandy Donini	SCE	OAL
DONDE LA ROSA	C.U.S.D	Teacher
BEN DOWNS	SCE	NUC CONT OPER
LEWIS ALTERBERG	SELF	
Phyllis Dominguez	SCE	Training Supervisor
Laura Krannawitter	CPUC	engineer/regulator
ALAN KORSEN		
Debra Gary	SONGS	EXA - INTD
Mary Beth McGowan	SCE	Self
Mick Brown	SCB	HU MGR
Marilyn Wigglesworth	CUSD	Teacher
Sarah Brown		Wife

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NAME (PLEASE PRINT)	ORGANIZATION	TITLE
Tim Saroff	SCE	MGR Center
RICH FRANK	SAF	
AL WHITE	STERN CLUB	
Katherine Yang	SEE / san clude	
Tom De	SCE	
Mark Scott		
Allison James	SCE	President of NAYGN.
Collette Mc Manus	SCB	Exec. Assistant.
Ed GREGA	SCE	
CONNIE TUNG	SCE	
Bill Conklin	SCE	Nuclear Engineer
Kindsay Anderson	SCE	Manager Project
Tom Anderson	SCE	Sr. Engineer
Bob Shollar	SCE	Maint. Director
STEVEN TOKESHI	SAN CLEMENTE GREEN	MEMBER





## San Onofre Nuclear Generating Station 2010 Annual Assessment

Nuclear Regulatory Commission - Region IV  
April 28, 2011

1



## NRC Goal

Safety and Security: protect people and the environment

2



## Purpose of Today's Meeting

A public forum for discussion of San Onofre Nuclear Generating Station's (SONGS) performance

3



## Assessment

San Onofre is operating safely

- NRC continued increased oversight
- Progress in addressing Human Performance, Problem Identification and Resolution, and Safety Conscious Work Environment

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## Assessment (cont.)

Performance has improved since 2009:

- Problem Identification and Resolution
- Confirmatory Order for willful violations
- White finding for inadequate work instructions

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## NRC Plans for 2011

- Follow up inspections to review Safety Conscious Work Environment and Human Performance
- Baseline inspection activities

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## Assessment (cont.)

Performance Challenges remain:

- Human Performance
- High number of safety concerns received by NRC in 2010, (recent trend is lowering)
- Willingness to raise concerns with SONGS management

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## NRC – Fukushima actions


- NRC monitoring and technical support of Japanese response
- Immediate inspection of all US plants
- Established High Level Task Force

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## NRC – Task Force Actions

- Near term response (90 days)
  - evaluate event information
  - apply to inspection and plant operation
- Long term actions
  - detailed event review
  - identify regulatory changes


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## Contacting the NRC

- Report an emergency
  - (301) 816-5100 (call collect)
- Report a safety concern:
  - (800) 695-7403
  - [Allegation@nrc.gov](mailto:Allegation@nrc.gov)
- General information or questions
  - [www.nrc.gov](http://www.nrc.gov)
  - Select "Contact us" at the top of the page
- Victor Dricks, Lara Uselding, Public Affairs Officer, RIV
  - 817-860-8128, 817-276-6519
  - [Victor.dricks@nrc.gov](mailto:Victor.dricks@nrc.gov), [Lara.uselding@nrc.gov](mailto:Lara.uselding@nrc.gov)


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## Licensee Response and Remarks

Pete Dietrich  
Senior Vice President  
and  
Chief Nuclear Officer  
Southern California Edison Company

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## ListServ

- Receive all NRC documents open to public comment regarding specific plants
- Easy to request:
  - Go to <http://www.nrc.gov/public-involve/listserver/plants-by-region.html>

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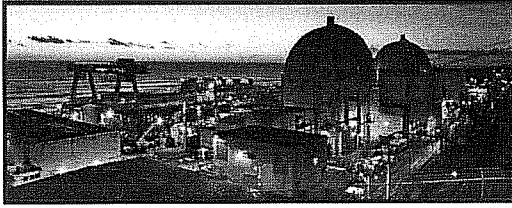


## Reference Sources

- 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)

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### San Onofre Nuclear Generating Station

Station Update  
U.S. Nuclear Regulatory Commission Meeting  
April 28, 2011

## Southern California Edison Commitment

We operate San Onofre Nuclear Generating Station (SONGS) safely and reliably to the highest standards to protect the health and safety of the public.

## Presentation Agenda

- Opening Remarks
- Recent Performance Summary
- 2011 Key Focus Areas
- Our Response to Events in Japan
- Closing Remarks

## Overall Goal: SONGS Excellence

- Strong **focus on fundamentals**, high standards and quality
- Greater **accountability** and alignment
- **Sustainable** long-term performance improvement

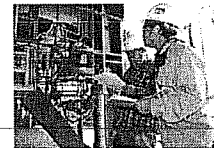


## Recent Performance Summary

- NRC 2010 Annual Assessment Letter – March
  - Units 2&3 continue to operate safely and reliably
  - Loose Battery Connection (White Finding) closed
  - Firewatch Documentation (Confirmatory Order) closed
  - Problem Identification and Resolution issue closed
  - Human Performance issue remains open
  - Safety Conscious Work Environment issue remains open
- Safely completed Unit 3 Steam Generator Replacement outage
- Successfully completed FEMA graded exercise
- Continued safe and reliable operation

## Human Performance – Actions Taken

- Completed comprehensive gap analysis – "check and adjust"
- Implementing actions to drive further improvements
  - Human error prevention techniques
  - Procedure use and adherence – stop when uncertain
  - Supervisory and management oversight



## 2011 Key Focus Areas

- Continued safe and reliable operations
- Improve human performance
- Improve nuclear safety culture
- Sustained performance improvement



## Human Performance – Results

- Strengthening station engagement through division alignment
  - Human Performance Advocates
  - Division excellence plans
  - Monthly Division Management Review Meetings on Human Performance and Safety
- Indications of improved performance since April 2010
  - Station event rate by 50%
  - Division event rate by 30%
  - Leadership Observation Programs and Nuclear Notifications

*SCE clearly recognizes that improvement must continue and is implementing the necessary actions*

## Safety Conscious Work Environment

At Southern California Edison, we encourage everyone to report concerns and take them very seriously. We do not tolerate retaliation.

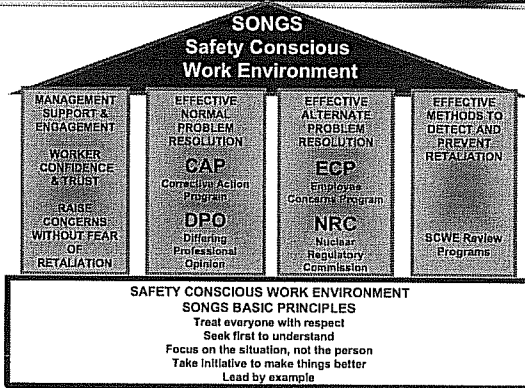
## Safety Conscious Work Environment

### Completed Actions

- Four Pillar model
- Standards and training for management and workers
- Corrective Action Program training and accessibility
- Employee Concerns Program upgrades

### Ongoing Significant Initiatives

- Independent Safety Culture Assessment
- Focused work with leaders and groups
- Leadership assessment and development
- More intrusive monitoring and response



## Safety Conscious Work Environment

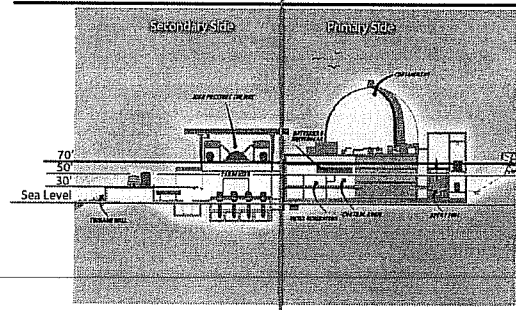
### Current Results

- Metrics indicate willingness to report issues; validated by surveys and interviews
- Improved accessibility to report problems and awareness
- Improved Employee Concerns Program accessibility and awareness

*A strong Safety Conscious Work Environment is fundamental to our present and our future. Ongoing training, programs and processes are in place to sustain this focus.*

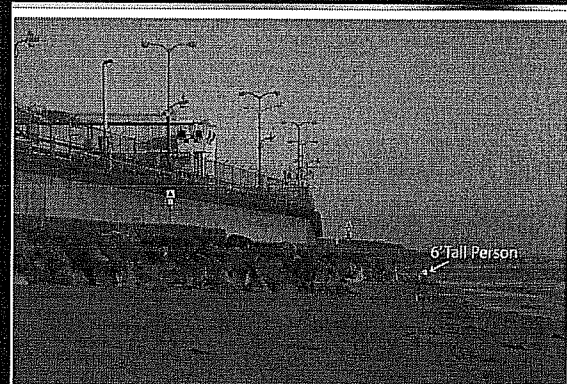
## Our Response to Events in Japan

## Elevation View



## Our Design

- Different type of seismic risks and fault structure in California
- Different type of tsunami threat
- Different plant design basis
  - Pressurized water vs. boiling water
  - Robust containment
  - Location of critical safety-related equipment
- Robust back-up systems and safety features
- "Beyond Design" response guidelines

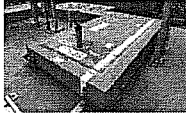


## Emergency Electrical Supplies



- Two emergency diesel generators per unit
- Ability to cross-connect: only one emergency diesel generator needed
- 30 ft. elevation, building built to withstand seismic and flooding

- Seven-day supply of diesel fuel
- Subsurface vaults, built to withstand seismic and flooding



Battery Room

Switchgear Room

- Emergency batteries and switch gears
- 50 ft. elevation, built to withstand seismic and flooding

## Emergency Preparedness

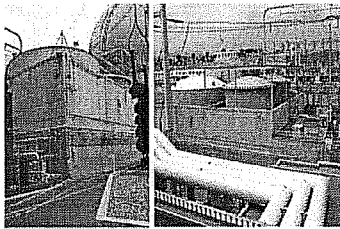
### Interjurisdictional Planning Committee

- Established in 1982, eight primary members including SCE
- Meets monthly
- Unique partnership between government and private industry
- Dedicated to ensure public health and safety



## Dedicated Water Supplies

- On-site, seismically qualified tanks
- Two trains: electrical pumps, valves and pipes
- Additional steam-driven pump for heat removal through the steam generators



## Closing Remarks

