

EDMUND G. BROWN JR.
GOVERNOR

MIKE DAYTON
ACTING SECRETARY



Cal EMA
CALIFORNIA EMERGENCY
MANAGEMENT AGENCY

2011 OCT 12 PM 3 40

September 30, 2010

Harry Sherwood
Technological Hazards Branch Chief
National Preparedness Division
Department of Homeland Security
800 South Bell Street
Arlington, VA 22202

Dear Mr. Sherwood:

Enclosed is California's 2010 report on the Periodic Requirements and Annual Letter of Certification (ALC) related to the Diablo Canyon Power Plant (DCPP) and the San Onofre Nuclear Generating Station (SONGS). The report is in three parts:

1. The California Emergency Management Agency (Cal EMA) and California Department of Public Health (CDPH) Joint Report;
2. the DCPP Report; and
3. the Interjurisdictional Planning Committee's (IPC) Report for the SONGS.

The 2010 report has been prepared in accordance with the Radiological Emergency Preparedness Annual Letter of Certification Review Guide, RG REP 02, Rev 9, dated December 2000. All requisite activities have been acknowledged and completed, as appropriate, by state and local organizations and the licensees.

If you need further information, please contact me at (916) 845-8799 or by email at peg.taylor@calema.ca.gov. By copy of this letter, I would like to thank all of the participants for their valuable input and their hard work as demonstrated in the outstanding achievements outlined in this report.

Sincerely,

PEG TAYLOR
Chief, Prevention & Systems Branch

3650 SCHRIEVER AVENUE MATHER, CA 95655
PREPAREDNESS DIVISION
(916) 845-8731 PHONE • (916) 845-8735 FAX



c: Barbara Culverhouse, Southern California Edison
Dan Cleavenger, Southern California Edison
Richard Garcia, Southern California Edison
Mike Ginn, Pacific Gas & Electric Company
Tracey Vardas, Pacific Gas & Electric Company
Ron Alsop, San Luis Obispo County OES
Anita Konopa, San Luis Obispo County OES
Mike Rose, City of Dana Point
Mike Cantor, City of San Juan Capistrano
Jen Tucker, City of San Clemente
Tom Amabile, County of San Diego, Office of Emergency Services
Sara Kaminske, County of Orange Sheriff Coroner Department
Captain Bill Vail, California Highway Patrol – San Luis Obispo Division
Officer Kevin Prouty, California Highway Patrol – Border Division
Matthew Boothe, California Highway Patrol – Oceanside Area Office
Rich Haydon, Orange Coast District, State Parks and Recreation
Dee Milosch, Orange Coast District, State Parks and Recreation
Dan Falat, San Luis Obispo District, State Parks and Recreation
Jon Wood, CalTrans, District 5
Anna Parker, CalTrans, District 12
Liz Anderson, CalTrans, District 12
Larry E. Morgan, California Department of Public Health
Kurt Jackson, California Department of Public Health
Deirdre Dement, California Department of Public Health
Guy Taibi, California Department of Public Health
Mark Bassett, California Emergency Management Agency, Southern Region
Jim Acosta, California Emergency Management Agency, Southern Region
Mary C. Montgomery, California Emergency Management Agency, Southern Region
Elaine Jennings, California Emergency Management Agency
Moustafa Abou-Taleb, California Emergency Management Agency
Richard Echavarria, Federal Emergency Management Agency Region IX
Katharine Nishihara, Federal Emergency Management Agency Region IX
James Macaulay, Federal Emergency Management Agency Region IX

**State of California
JOINT 2010 Annual Letter of
Certification Report**

**California Emergency Management Agency
(Cal EMA)
and
California Department of Public Health
(CDPH)**



1. Public Education and Information – Planning Standard G

- a.1.2.3 Environmental Management Branch (EMB) of the California Department of Public Health (CDPH) is in the process of revising an informational brochure for farmers, ranchers, and distributors of agricultural products in and around the Diablo Canyon Nuclear Power Plant (DCPP) at San Luis Obispo, California, and San Onofre Nuclear Generating Station (SONGS) in San Onofre, California. These brochures will be published and provided to the California Department of Food and Agriculture (CDFA) Headquarters Offices in Sacramento, California and county departments located within the Ingestion Pathway Zone (IPZ) of the DCPP and SONGS.

2. Emergency Facilities and Equipment - Planning Standard H

- a.b.c.d. Survey instruments utilized for radiological monitoring of evacuees and emergency workers are owned, stored, operated, inspected, and have calibration arranged for by the local city and county organizations and the utilities that perform the tasks associated with these instruments. Field monitoring teams consist of utility, county, and city fire department personnel who utilize this equipment and are responsible for inspection, inventory, and calibration of their own survey instruments.

CDPH:

CDPH survey instruments utilized for measuring radiation during environmental monitoring and analysis (field teams and RADLAB) are calibrated annually. Records of calibration are maintained at CDPH HQ in Sacramento.

CDPH maintained eight emergency response kits each containing:

- One Ludlum model 19 micro R meter
- One Technical Associates TBM-3S GM survey meter

Plume Survey Kits stored at locations listed below:

- 1800 E. Lambert, Suite 125, Brea, CA 92821
- 850 Marina Bay Pkwy, Bldg. P, 1st Floor, Richmond, CA 94804
- 1616 Capitol Ave, MS 7405, 2nd Floor, Sacramento, CA 95899.

CDPH utilizes both dosimeter badges and electronic dosimeters for emergency response personnel.

CDPH personnel are issued optically stimulated luminescence (OSL) dosimeters for use in both emergency and non-emergency response tasks. The OSL dosimeters are provided by Mirion Technology and quantitatively measure exposure to X-Rays, Gamma, and Beta radiation. The dosimeters are normally processed quarterly, but may be processed immediately if

warranted.

Direct reading dosimeters are utilized in addition to OSL badges for emergency response functions. Each dosimetry kit has been tested for accuracy and the electronic pocket dosimeter is calibrated every two years per manufacturer's recommendation.

Each kit contains:

- One SAIC PD-10i electronic pocket dosimeter
- One TLD exchanged out quarterly
- One 14-tablet (130mg) blister pack of KI

The survey instruments in the kits are calibrated annually. The kits are sent for calibration on a rotational basis in two groups at two different times of the year to ensure sufficient equipment is available at all times.

These kits are stored at the locations listed below:

- 1800 E. Lambert, Suite 125, Brea, CA 92821
- 850 Marina Bay Parkway, Bldg. P, 1st Floor, Richmond, CA 94804
- 1616 Capitol Ave, MS 7405, 2nd Floor, Sacramento, CA 95899.

Cal EMA:

California Emergency Management Agency (Cal EMA) maintained 280 Nuclear Power Preparedness (NPP) Emergency Response Kits, distributed as follows:

- 130 kits to California Highway Patrol (CHP) – Border Division;
- 50 kits to Caltrans - Orange County District 12 (D-12);
- 50 kits to California (CA) State Parks – Orange Coast District;
- 20 kits to Cal EMA Southern Region staff; and
- 30 kits to Cal EMA Headquarters staff.

Among other items contained in the NPP kits, each included one SAIC PD-3i-S Dosimeter and one Radiation Detection Company Thermoluminescent dosimeter (TLD) badge. The SAIC PD-3i-S self-reading electronic dosimeters were calibrated in 2010 at different times in groups to ensure sufficient equipment was available at all times. The dosimeters are calibrated each year and as recommended by the manufacturer specifications. New TLDs were exchanged out in 2010 and distributed in May for wear period 06/01/10-05/31/11. The old TLDs for wear period 06/01/09-05/31/10 were collected and returned to the manufacturer.

Potassium Iodide:

- Cal EMA had a stockpile inventory of 50,000 IOSAT (130 mg) tablets for state emergency workers and California Men's Colony (CMC) workers and institutionalized populations. 40,000 tablets for CMC which is located within the State-defined EPZ. The emergency plan for the facility

is to shelter the prisoners in place so a 5--day supply is provided for all staff and prisoners. Cal EMA maintains and inspects the KI inventory all labeled IOSAT 130 mg tablets; individually wrapped foil strips containing 14 tablets per strip. The expiration date is 04/2016.

Additional Information on Emergency Facilities and Equipment:

- CDPH has available a large number of portable survey instruments normally used for non-NPP response activities (e.g., radioactive material licensee inspections, environmental monitoring, non-NPP emergency response). These instruments are stored in CDPH offices in Sacramento, Brea, and Richmond. These instruments are response checked quarterly and calibrated annually or as otherwise recommended by the manufacturer.
- CDPH also has a fully qualified analytical laboratory for analysis of radiological samples. This lab is located in Richmond, CA.
- CDPH possesses and maintains two mobile emergency response trailers – one in Northern California and the other in Southern California. They both contain emergency response equipment including tables, chairs, survey instruments, generator, and outdoor lighting. The one in Southern California includes a radiation portal monitor.
- CDPH Nuclear Emergency Response Program (NERP) possesses and maintains 2 iridium satellite telephones. One is in Northern California (Sacramento) and the other is in Southern California (Granada Hills).
- Cal EMA made available a large number of portable instruments normally used for Waste Isolation Pilot Plant (WIPP) emergency response activities (e.g. respond to unusual events related to the transport of low-level transuranic radioactive waste). These instruments are in the possession of first responding agencies in counties along and adjacent to the Department of Energy's designated WIPP routes throughout CA. The newest designated route runs from the facility(ies) generating the waste to the CA state line. There were first responding agencies in 50 counties with available instruments and additional instruments on hand at Cal EMA. There were 473 instruments during 2010. These instruments were calibrated annually or as otherwise recommended by the manufacturer.
- In support of California State Parks, Cal EMA purchased the following equipment for the Orange Coast District Emergency Operations Center (EOC): one laptop; one desktop computer/monitor; one color laserjet multifunction printer; two 37" LCD HDTVs; and one 2-line corded/cordless phone.

3. Exercises - Planning Standard N

FEMA graded exercises are not reported in this document as FEMA evaluates exercises required by the provisions of NUREG-0654, PS N.

4. Drills - Planning Standard N

a.b.c.d. Individuals representing CDPH Radiologic Health Branch (RHB) and the Cal EMA Radiological Preparedness Unit participated in drills at the DCPD in SLO County, CA and at the SONGS in north San Diego County, CA requiring dose assessment activities. The dates for these drills were:

- March 17, 2010 DCPD Full Scope Drill
 - April 5, 2010 SONGS ODAC
 - April 14, 2010 DCPD Full Scope Drill
 - April 27, 2010 DCPD Tabletop Exercise
 - June 2, 2010 DCPD Full Scope Drill
 - June 2 2010 SONGS ODAC
 - July 7, 2010 DCPD Plume Phase Dress Rehearsal
 - August 11, 2010 DCPD FEMA Evaluated Plume Phase Exercise
 - August 22, 2010 DCPD
 - December 8, 2010 DCPD Annual Medical Drill
 - December 10, 2010 SONGS ODAC
- CDPH Public Relations staff participated in the August 11, 2010 evaluated exercise at DCPD.
 - CDPH EMB and RHB Health Physicists performed dose assessment through computer modeling programs with data resulting from simulated radioactive releases from the power plants. CDPH received and inputted data into the dose modeling programs from the field monitoring teams who provided simulated measurements of elevated airborne and liquid samples during the drills. During radiological drills at SONGS and DCPD, Joint Information Center drills were performed. CDPH Public Information Officers, Risk Specialists, and Health Physicists participated through dissemination of radiation-related health information resulting from simulated radioactive releases from the power plants.
 - California State Warning Center (CSWC) represents the State in the monthly communications drills initiated by the utilities.

5. Radiological Emergency Response Training - Planning Standard O

a.1.2.3.4.5.6.

Eight (8) individuals from CDPH participated in drills and were trained. The training consisted of reviewing plant systems, and monitoring points with respect to data required to populate fields in the computerized dose projection programs. Emergency Action Levels (EALs) and each position's procedures and responsibilities were also reviewed.

Training Type/Scope: USNRC Region IV Training/Outreach/
Planning (TOP) Workshop
Sponsor: NRC
Date: February 1-4, 2010
Agencies Represented: Cal EMA, CDPH
Number Participating: 8 (Cal EMA), 2 (CDPH)
Two individuals from CDPH (ICE)
participated in RASCAL Training. One
individual from CDPH (EMB)
participated in the Response Technical
Manual (RTM) Training.

Training Type/Scope: First Responder Orientation for SONGS
– Introductory course to SONGS
Sponsor: Southern California Edison (SCE)
Date: July 27, 2010
Agencies Represented: Cal EMA
Number Participating: 2

Training Type/Scope: NRC Seismic Workshop- seismic hazard
information specific to DCP; nuclear
power plant seismic monitoring
programs; and current seismic studies
involving DCP
Sponsor: NRC
Date: September 8-9, 2010
Agencies Represented: Cal EMA
Number Participating: 2

Training Type/Scope: Radiological Emergency Preparedness
Planning – Course focuses on nuclear
power plant off-site emergency
preparedness.
Sponsor: FEMA
Date: September 20-24, 2010
Agencies Represented: Cal EMA, CDPH
Number Participating: 3 (Cal EMA) 1 (CDPH)

Training Type/Scope: Radiological Emergency Response
Operations (RERO) – (PER-904)
Sponsor: FEMA
Date: October 18-22
Agencies Represented: Cal EMA

Number Participating:	2
<u>Training Type/Scope:</u>	Off-site Dose Assessment Center Training for SONGS – Introduction to SONGS ODAC Procedures
Sponsor:	Orange County Environmental Health
Date(s):	November 29, 2010
Agencies Represented:	Cal EMA
Number Participating:	1
<u>Training Type/Scope</u>	Radiological Assistance Program (RAP)/CDPH Fielding Monitoring Team Training - Radiological monitoring and sampling protocols pertaining to responses to radiological emergencies at nuclear power plants.
Sponsor:	RAP/ CDPH
Date:	December 15, 2010
Agencies Represented:	Cal EMA, CDPH
Number Participating:	6 (Cal EMA), 11 (CDPH)

6. Update of Plans and Letters of Agreement - Planning Standard O

The CDPH has no Letters of Agreement (LOAs) pertinent to NPP functions. In addition, CDPH has no new emergency response facilities, communication systems or congregate care facilities. CDPH's current emergency response facilities, communication systems, and congregate care facilities have not undergone substantial changes in 2010.

Cal EMA plans have been reviewed for accuracy and completeness of information and the appropriate changes have been made in 2010.

7. Alert and Notification – Appendix 3

CDPH and Cal EMA do not own nor operate any Community Alert Siren Systems.

Abbreviations and Acronyms

CA	California
Cal EMA	California Emergency Management Agency
CDFA	California Department of Food and Agriculture
CDPH	California Department of Public Health
CHP	California Highway Patrol
CMC	California Mens Colony
CSWC	California State Warning Center
DCPP	Diablo Canyon Power Plant
EAL	Emergency Action Level
EMB	Environmental Management Branch
EOC	Emergency Operation Center
EOF	Emergency Operation Facility
EPZ	Emergency Planning Zone
FMT	Field Monitoring Team
FEMA	Federal Emergency Management Agency
GM	Geiger Mueller
GPS	Global Positioning System
HQs	Headquarters
IAP	Incident Action Plan
ICS	Incident Command System
IPZ	Ingestion Pathway Zone
IS	Independent Study
KI	Potassium Iodide
JIC	Joint Information Center
LOA	Letter of Agreement
NEI	Nuclear Energy Institute
NERP	Nuclear Emergency Response Program
NIMS	National Incident Management System
NPP	Nuclear Power Plant or Nuclear Power Preparedness
NRC	Nuclear Regulatory Commission
NREP	National Radiological Emergency Preparedness
NUREG	Nuclear Regulation
OCR	Optical Character Recognition
ODAC	Offsite Dose Assessment Center
OES	Office of Emergency Services
OHS	Office of Homeland Security
PG & E	Pacific Gas and Electric
PIO	Public Information Officer
RDC	Reception and Decontamination Center
REOC	Regional Emergency Operation Center

RERO	Radiological Emergency Response Operations
RHB	Radiologic Health Branch
SAIC PD-3i-s	Science Applications International Corporation Self-Reading Electronic Dosimeter
SCE	Southern California Edison
SEMS	Standardized Emergency Management Agency
SLO	San Luis Obispo
SOC	State Operations Center
SONGS	San Onofre Nuclear Generating Station
State Parks	California State Parks
State OES	Governor's Office of Emergency Services
TBM-3S GM	Alpha-Beta-Gamma Survey meter with its internal standard pancake Geiger Mueller tube detector
TLDs	Thermoluminescent Dosimeters
UDAC	Unified Dose Assessment Center
USDOT	United States Department of Transportation
WIPP	Waste Isolation Pilot Plant

End of Report

2010 Report for the Diablo Canyon Power Plant (DCPP)

Radiological Emergency Preparedness Requisite Activities NUREG 0654/FEMA-REP-1



**San Luis Obispo County
Radiological Emergency Preparedness
Requisite Activities Completion List
Calendar Year 2010**

1. Public Education and Information

A. Annual dissemination of information to the public performed:

- The AT&T telephone directory which is distributed throughout San Luis Obispo (SLO) County by AT&T serves as the primary means for providing updated emergency preparedness information to the public on an annual basis. To ensure the public can easily find information during an emergency, the inside cover of the directory contains a full page advertisement directing people to the Diablo Canyon Power Plant (DCPP) emergency information section inside the directory. This information was reviewed and updated by the SLO County Office of Emergency Services (OES) and Pacific Gas and Electric Company (PG&E). In addition to the AT&T telephone directory, the inside cover of the AT&T business directory also contained a full-page advertisement with reference to the SLO County OES website <http://www.slocounty.ca.gov/OES.htm>.
- A separate emergency preparedness information brochure was distributed throughout the DCPP Emergency Planning Zone (EPZ) as a handbook for planning special needs and protective actions. The brochure contained summary emergency planning information similar to the AT&T telephone directory and a postage paid special needs card. The brochure was designed for reference by both residents and visitors of SLO County.
- English brochures containing the same information published in the AT&T directory were also updated in 2010. These brochures were distributed to the public upon request and were also used during training sessions with emergency response personnel.
- Siren information stickers were distributed to local businesses, parks and recreational areas within the DCPP EPZ.
- State Parks worked with SLO County OES to update the inventory of siren information signs in the Coastal Sector.
- State Parks Oceano Dunes District is initiating the update of the Oceano Dunes SVRA maps and entrance kiosks with siren alert information.
- A plan is in place to disseminate DCPP information through public access points in State Parks in the South County.
- Postcards were mailed to DCPP EPZ residents and businesses to promote awareness of scheduled siren tests. Also, postcards were hand delivered to local hotels, motels, grocery stores, parks and beaches and the airport to target our transient populations.
- An internet website (www.slocounty.ca.gov/oes) was maintained with information on general emergency planning and NPP information, specifically, including all the information sent out by hardcopy to residents within the EPZ.

- A significant advertising campaign and outreach effort was conducted by PG&E and SLO County with local media outlets that promoted awareness for the annual full-scale siren test conducted on August 28, 2010. This included getting Caltrans to advertise the siren tests on their highway signs as well as having an airplane fly over with siren information.
- A DCPD emergency planning information telephone line (805) 546-5292 was maintained to provide emergency preparedness information for SLO County residents.
- DCPD also maintained a toll free number (800) 333-4964 and customer services general reference website, which could be activated and used during emergency response to a DCPD event.
- A program focusing on special needs populations was maintained by SLO County OES titled "No Assistance Required." This involved sending a letter, placard and a FEMA brochure titled "Preparing for Disaster for People with Disabilities and other Special Needs" to persons who signed up for the special needs list. This program will enable special needs individuals to notify emergency responders if they have safely evacuated following an emergency.
- Local government representatives surrounding DCPD responded to public inquiries about nuclear power preparedness on a case-by-case basis. Questions have included: 1) how the public is notified of a nuclear power plant emergency; 2) what the public should do when notified; 3) where the public would go; 4) how special needs groups should obtain transportation; 5) how radiation affects the human body; 6) concerns relating to distribution of KI and how they may obtain a supply 7) How the siren system works and 8) what the public can do to be more prepared during an emergency.
- Copies of any of the above mentioned publications are available upon request from the SLO County Office of Emergency Services.

B Year Maintenance and Sign Updates

- Not applicable for 2010

C Transient Populations

- Informational brochures, siren test post cards and siren stickers were delivered to hotels, parks, campgrounds, tourism information centers, grocery stores, the airport and other recreational areas within the DCPD EPZ for use by transient populations.

D News Media

- Local news media are invited to attend training and emergency planning exercises. Media interface and education is an ongoing process that includes local media active in reporting current events involving DCPD. DCPD and SLO County OES distributed emergency public information, news releases and reference materials to local media. Local media crews were in attendance at our 2010 NPP FEMA Evaluated Exercise.
- Individual media outlets were contacted in December 2010 and offered training to be

provided at their location for their staff.

2. Emergency Facilities and Equipment

A Survey equipment inspection

- Per our agreement with PG&E/Diablo Canyon, PG&E is responsible for equipment inspection and calibration.
- DCPD maintained portal monitoring equipment, field monitoring team kit instruments and supplies, and environmental monitoring and analysis equipment in accordance with emergency response plans and procedures. DCPD maintained and upgraded equipment in offsite emergency response facilities including the Emergency Operations Facility (EOF) and Joint Information Center (JIC).

B Radiation measuring instruments

- Per our agreement with PG&E/Diablo Canyon, PG&E is responsible for equipment inspection and calibration. Copies of calibration certificates provided electronically separately.
- San Luis Obispo County has 66 Ludlums for radiation monitoring. 12 are located in the County General Services Logistics Supply Building at 1475 Kansas Ave. in San Luis Obispo. The other 54 Ludlums are split between two decontamination trailers, adjacent to the County EOC.

C Direct-reading dosimetry tested for accuracy

- Personal Electronic Dosimeters: PG&E supplies 1,300 PEDs for offsite response organizations. PG&E performs calibration checks on all PEDs (in 5 batches) annually for distribution by SLO County OES to emergency workers.
- Thermoluminescent Dosimeters (TLDs): PG&E supplies more than 2500 TLDs for offsite response organizations which are distributed annually by SLO County OES.
- Both PEDs and TLDs are distributed inside and outside the DCPD EPZ.
- The PEDs are manufactured by Thermo Electron Corporation, and the TLDs are manufactured by Radiation Detection Company. See attached spreadsheet for amount and location of both.

D Potassium Iodide (KI) supplies available

- SLO County stores sufficient amounts of KI for all emergency workers and distributed new KI in the first two quarters of 2010 (current KI expiration date is April 2016). KI for the general public was transitioned in 2009 into a pre-distribution program – all residents within the EPZ were sent vouchers for KI that could be picked up at various county locations – distribution for the public during an emergency will no longer take place.
- San Luis Obispo County OES has approximately 3,000 doses of KI that is stored for

emergency workers. Of that total, 2,009 are located in emergency worker exposure control kits at pre-designated agencies and county departments. See attached spreadsheet for KI locations.

3. Exercises

- Biennial FEMA evaluated exercise took place on August 11, 2010.

4. Drills

A/B Communication Drills

- Accomplished through CAWAS daily/monthly testing and actual use.
- Monthly tests to REOC, US Coast Guard, and NRC from SLO County EOC.
- Monthly communication tests to local governments within EPZ.
- Monthly communication drills were conducted with the SLO County Sheriff's Department and California State Warning Center (CSWC). These organizations serve as the offsite notification points for a declared emergency at DCPD.
- State Parks Oceano Dunes and San Luis Obispo Coast Districts participated in the dress rehearsal drill in July and the FEMA evaluated drill at the SLO County EOC and JIC concerning a simulated emergency at the Diablo Canyon Nuclear Power Plant in August 2010. Other (approximately 6 individuals) State Parks field staff participated in a non-evaluated drill in partnership with their local municipal jurisdictions.
- Individuals representing DCPD, SLO County and other state & local agencies participated in the following drills and exercises in 2010:

January 26	DCPD tabletop including county players
February 23	DCPD tabletop including county players
March 17	DCPD full scope drill including UDAC, FMTs
April 14	DCPD full scope drill including UDAC, FMTs
April 27	DCPD tabletop including county players
June 2	DCPD full scope drill including UDAC, FMTs
July 7	Dress rehearsal for biennial evaluated exercise
August 11	FEMA evaluated biennial exercise
December 8	Annual Medical Drill – unevaluated
December 15	DCPD tabletop including county players

California Highway Patrol (CHP) – SLO District:

June 9	DCPD NPP Drill Planning Session
July 7	DCPD Practical Drill
August 4	DCPD Tabletop Drill

5. Radiological Emergency Response Training

- Please see attached training record summary. 6,999 hours of training were conducted as of 11/22/2010.
- Utilities and state & local government representatives participated in training sessions covering various aspects of the training categories identified in NUREG-0654, including: accident assessment; decision making; emergency worker roles; local support services; public information and radiological monitoring; medical.
- SLO County OES and DCPD Emergency Planning conducted training sessions with local public safety agencies and emergency workers. Training sessions included participants from fire, law enforcement, emergency medical services, hospitals and schools.
- In coordination with SLO County OES, DCPD provided an 8-hour "Intro to Diablo Canyon" training course in May 2010.

California Highway Patrol (CHP) – SLO District:

Training Type: Hazardous Materials Incident Command (Supervisors/Managers)

Scope and Purpose: Annual certification

Date: August 2010

Number trained: 6

Agency represented: CHP

Other agencies: None

Sponsor: CHP

Training Type: Hazardous Materials First Responder Operational

Scope and Purpose: Annual certification

Date: August 2010

Number trained: 6

Agency represented: CHP

Other agencies: None

Sponsor: CHP

6 Update of Plans and Letters of Agreement

- All SLO County/Cities NPP Emergency Response Plan and standard operating procedures were reviewed and 18 standard operating procedures were revised in 2010, as well as an administrative update of the NPP Admin Plan. These have all been previously submitted to the state and FEMA for review.
- All Letters of Agreement were reviewed for accuracy and completeness of information.
- State Parks started initial discussions with SLO County OES to update all relevant emergency response plans, protocols and emergency notification lists.

California Highway Patrol (CHP) – SLO District:

- Emergency response plans were reviewed and revised in July 2010.
- Tsunami Evacuation plan was reviewed in October 2010.
- Emergency response commitment to Diablo Nuclear Power Plant revised October 2010.

7 Alert and Notification

A. Routine Siren Testing

- Silent siren tests were conducted by PG&E once every two weeks, growl tests were conducted on a quarterly basis (January, April, July and October) and the annual audible siren test was conducted on Saturday, August 28, 2010 with two separate activations at 12:00 noon and again at 12:30 p.m. All 131 sirens were successfully sounded and tested.
- The DCPPE Early Warning System (EWS) was tested in accordance with federal guidelines and NUREG-0654 Appendix E.

B Analysis of Operable Sirens

- All 2010 siren tests were completed in coordination with SLO County and resulted in a 100% reliability average (as of 11/22/2010) for the year.
- Specific method used for calculation:

$(\# \text{ of successful siren tests in previous 4 quarters}) \times 100$

(Total number of siren tests in previous 4 quarters)

C Residential Tone Alert Program

- No residential tone alert program exists in San Luis Obispo County. However, tone alert radios are in all schools, home care facilities, hospitals and other miscellaneous facilities. These radios are tested monthly.

D Special Alerting Systems

- Route alerting by emergency workers can be implemented should our primary notification systems fail. Route alerting maps, directions, and siren locations were updated in 2010 and are distributed to applicable jurisdictions. Route alerting is a component of annual training to emergency workers.
- San Luis Obispo County also purchased a telephonic notification system in 2010 ("Reverse 911") that will allow residents to be contacted by phone in the event of an emergency situation.

E Facility Tone Alert Program

- SLO County OES provides tone alert radios to schools, home care facilities, hospitals, and miscellaneous facilities. These tone alerts are tested on a monthly basis, with an extensive location-specific test conducted annually in October. An inventory of the tone alert radios is maintained and routinely updated by SLO County OES.

F Mobile Route Alerting Maps

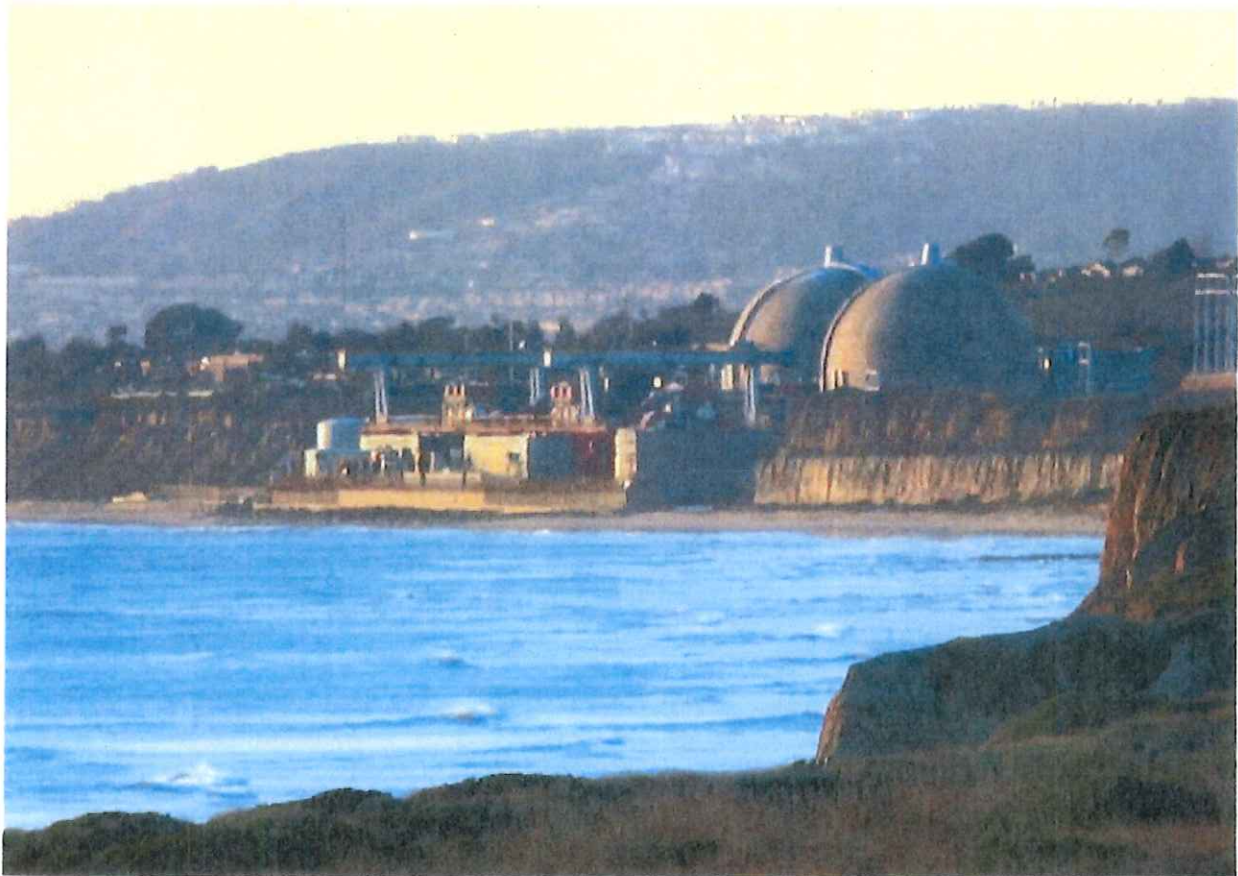
- Route alerting by emergency workers can be implemented if necessary. These maps were updated in 2010 and were distributed to applicable jurisdictions at that time.

**Diablo Canyon Power Plant
Early Warning System**

2010 Siren Test Schedule

<u>MONTH & YEAR</u>	<u>DATE:</u>	<u>TYPE OF TEST</u>	<u>ACTIVATION LOCATION</u>
January 2010	5 12 & 13 19	Silent Test Growl Test Silent Test	WC EOC EOC
February 2010	2 16	Silent Test Silent Test	SLO ECCO WC
March 2010	2 16 30	Silent Test Silent Test Silent Test	EOC SLO ECCO WC
April 2010	6 & 7 13 27	Growl test Silent Test Silent Test	SLO ECCO EOC SLO ECCO
May 2010	11 25	Silent Test Silent Test	WC EOC
June 2010	8 22	Silent Test Silent Test	SLO ECCO WC
July 2010	6 20 27 & 28	Silent Test Silent Test Growl test	EOC SLO ECCO WC
August 2010	3 17 28 31	Silent Test Silent Test ANNUAL TEST Silent Test	WC EOC EOC 12:00PM - ECCO 12:30PM SLO ECCO
September 2010	14 28	Silent Test Silent Test	WC EOC
October 2010	5 & 6 12 26	Growl Test Silent Test Silent Test	WC SLO ECCO WC
November 2010	9 23	Silent Test Silent Test	EOC SLO ECCO
December 2010	7 21	Silent Test Silent Test	WC EOC

**Interjurisdictional Planning Committee
For the
San Onofre Nuclear Generating Station**



**2010 Report of
NUREG 0654/FEMA-REP-1 Periodic Requirements**

2010 Report of

NUREG 0654/FEMA-REP-1 Periodic Requirements

The Interjurisdictional Planning Committee (IPC) is codified by the California Health & Safety Code (§ 114650a7). The committee is comprised of representatives from the Offsite Responding Organizations responsible for and dedicated to the protection of the public's health and safety. This group has met monthly since 1981.

IPC Mission Statement:

“Promote nuclear power preparedness through agency coordination and integration of emergency plans”

Primary members include:

- City of San Clemente
- City of Dana Point
- City of San Juan Capistrano
- County of Orange
- County of San Diego
- California Dept. of Parks & Recreation
- USMC Camp Pendleton
- Southern California Edison (SCE)

Associate Members include:

- California Highway Patrol (CHP)
- American Red Cross (ARC)
- Capistrano Unified School District (CUSD)
- Orange County Fire Authority (OCFA)
- Oceanside Fire Department
- Mission Hospital and Regional Medical Center
- California Emergency Management Agency (Cal EMA)
- California Department of Public Health (CDPH)
- Federal Emergency Management Agency (FEMA)
- Nuclear Regulatory Commission (NRC)

1. PUBLIC EDUCATION AND INFORMATION - PLANNING STANDARD G

A robust annual public education program is in place and maintained. Copies of collateral are available upon request.

- a. Annual dissemination of information to the public was completed. Information includes, but not limited to, how the public is notified and what their actions should be in an emergency. This information is available upon request.
- b. State Park Areas were not expanded and new transient areas were not added to the Emergency Planning Zone. The transient population has opportunities to become aware of emergency information.
- c. Emergency information is available to other transient populations via phone books and websites.
- d. A media program is in place to acquaint news media with emergency plans, information on radiation, and points of contact for release of public information in an emergency. This was completed via a mailing to appropriate TV, radio, and print broadcast outlets.

Specific program elements include:

Joint IPC Public Education and Assistance Efforts	Orange County	San Diego County	San Clemente	Dana Point	San Juan Capistrano	USMC Camp Pendleton	CA State Parks	SCE	State Of California
(a & c) AT&T Phone Book Customer Guide White Pages - South Orange County (May) - North San Diego County (June) Delivered to all residences and businesses in the Emergency Planning Zone (EPZ)	X	X	X	X	X	X	X	X	
(a) Ever-Ready Newsletter -- A multi-hazard newsletter delivered to all residences and businesses in the EPZ (Spring) - Includes special needs tear out card - Spanish language newsletter request	X	X	X	X	X	X	X	X	
(a) Camp Pendleton Supplemental Brochure containing Base specific information provided to new residents in EPZ						X		X	
(b) Camp Pendleton Camper Cards containing emergency preparedness information. Provided to transient beach population						X		X	
(b) State Parks Camper Cards provided to visitors at entrance stations. Maintain 27 public information bulletin boards, which contain emergency preparedness information for transient beach population							X	X	

Joint IPC Public Education and Assistance Efforts	Orange County	San Diego County	San Clemente	Dana Point	San Juan Capistrano	USMC Camp Pendleton	CA State Parks	SCE	State Of California
(a) SDG&E New Resident Letter – distributed as new residents and businesses relocate in EPZ	X		X	X	X		X	X	
Annual Siren Test Mailer delivered to all residences and businesses in EPZ. Mailer includes special needs tear out card and information in Spanish	X	X	X	X	X	X	X	X	
Annual Siren Test school packets were developed and distributed to public and private schools as well as daycare facilities in the EPZ. Packets included siren test and other emergency preparedness information.			X	X	X	X		X	
Caltrans District 11 in San Diego County and District 12 in Orange County provided fixed Changeable Message Signs as needed to inform the public of emergencies, real time traffic information and siren test alerts									X
KWVE-FM, issued a public announcement in conjunction with Annual Siren Test	X								
NRC public meetings were held on March 24th, September 16th, and December 14th. Members discussed support for SONGS and their preparedness.	X	X	X	X				X	
Response to public inquiries is handled on a case-by-case basis. Discussion topics have included: special needs population, public notification of an emergency, public protective actions, Reception and Decontamination Center locations, Potassium Iodide, and the public address feature of the Community Alert Siren System may be utilized.	X	X	X	X	X	X	X	X	
(d) SCE's Corporate Communications mailed updated press kits to 90 media outlets including TV, Radio, print, wire, web, and ethnic. Press kit includes, but is not limited to, contacts for News Media Personnel, overview of response actions, radiation, Q&A, glossary, how power is generated.								X	
DVD Siren Mailer delivered to all residences and businesses in EPZ.	X	X	X	X	X	X	X	X	
Potassium Iodide (KI) flyers were mailed to all residences and businesses in the EPZ. Mailer included tear out KI request card. KI requested by to 12- 20% of residences and businesses, depending on City.	X		X	X	X			X	
A Model Nuclear Power Plant Emergency Plan for Private Schools and Childcare Facilities is made available.	X	X	X	X	X	X	X	X	

Additionally, individual jurisdiction/agency outreach activities for 2010 were completed. Topics included emergency preparedness, radiation, security, IPC organization, and plant operations.

Individual Agency Public Education and Outreach Activities	
Dana Point	<p>The City hosted an Emergency Preparedness EXPO which provided the community an interactive opportunity to learn more about emergency preparedness and included participation from SONGS..</p> <p>The City maintains information on the City's website as an additional means of providing disaster preparedness information to the public. This site contains NPP information derived from the material in the telephone directory.</p>
San Clemente	<ul style="list-style-type: none"> • The City maintains emergency information on its website. The main page frequently features news on events such as quarterly siren growl testing, annual siren tests and any planned individual siren maintenance. The Emergency Preparedness portion of the website includes Nuclear Events and related activities such as evacuation, transportation, KI and the EPZ, this information is updated annually. The front page of the City's website receives approximately 900 hits per day. • Presented radiological emergency preparedness information to over 20 community groups including Home Owners Associations, community groups and City Leadership Academy. Educated Community Emergency Response Team (CERT) participants. • Conducted interviews and wrote articles for local and regional newspapers. Conducted two interviews on Potassium Iodide and Emergency Preparedness on local radio station. • Hosted the May 2010 San Clemente Emergency Preparedness Expo featuring NPP emergency information.
San Juan Capistrano	<ul style="list-style-type: none"> ▪ City Web site – Updated Nuclear Emergency Information in English and Spanish. ▪ Provided two training sessions to Community Emergency Response Team (CERT) members regarding operations and emergency information for SONGS. ▪ Updated, reviewed and approved AT&T Telephone Directory for Orange County South SONGS information. ▪ Updated, reviewed and approved the annual Community Alert Siren System test mailer to all residence and businesses in the EPZ. ▪ Reviewed for approval Ever-Ready publication of IPC Quarterly Newsletter. ▪ August 11, 2010, Emergency Preparedness and SONGS presentation to Emeritus Senior Housing facility (16) ▪ September 13, 2010, Emergency Preparedness and SONGS presentation to Mesa Verde North HOA (24) ▪ November 8, San Juan Capistrano Leadership Academy, SONGS overview presentation (1)
Orange County	<ul style="list-style-type: none"> ▪ Orange County 5th District Supervisor Preparedness Expo ▪ AlertOC mass notification system designed to keep Orange County residents and businesses informed of emergencies and certain community events.
SONGS	<ul style="list-style-type: none"> ▪ Participated in Dana Point Safety Expo, Orange County 5th District Supervisor Disaster Preparedness Expo, San Diego Science Festival, San Clemente All Hazards Expo, San Clemente Oceans Festival, SONGS Open House ▪ Emergency Preparedness presentations were provided to various City emergency preparedness academies, civic organizations, church groups, ▪ Emergency Management presentations were provided to Palomar Community College Emergency Management Certification Program ▪ A public information 800 number is maintained and supported. ▪ A SONGS Website in both English (SONGSCommunity.com) and Spanish. (ComunidadSONGS.com) is maintained and supported ▪ Conducted outreach to Emergency Managers within the Public Education Zone ▪ Conducted outreach to fifty special needs facilities within the Emergency Planning Zone

2. EMERGENCY FACILITIES & EQUIPMENT – PLANNING STANDARD H

Emergency Facilities

Following is a summary of improvements and/or modifications to Emergency Operations Centers.

Emergency Facility	Status
Orange County	There are no new emergency response facilities, communications systems, or reception and decontamination facilities and none of the current facilities, communications system or reception and decontamination facilities in the plans have undergone substantial changes.
San Diego County	There are no new emergency response facilities, communications systems, or reception and decontamination facilities and none of the current facilities, communications system or reception and decontamination facilities in the plans have undergone substantial changes. To enhance the EOC's audio/visual resources, a 20' x 5' video wall with the ability to display up to six simultaneous video sources and six PC sources was installed, including seventeen 46" flat panel LCD displays throughout the facility. The campus of the existing reception and decontamination facility at Carlsbad High School is currently undergoing construction changes affecting the parking lot. A secondary reception and decontamination facility with corresponding schematics has been identified at Valley Middle School in Carlsbad.
San Clemente	There are no new emergency response facilities, communications systems, or reception and decontamination facilities and none of the current facilities, communications system or reception and decontamination facilities in the plans have undergone substantial changes.
Dana Point	There are no new emergency response facilities, communications systems, or reception and decontamination facilities and none of the current facilities, communications system or reception and decontamination facilities in the plans have undergone substantial changes.
San Juan Capistrano	There are no new emergency response facilities, communications systems, or reception and decontamination facilities and none of the current facilities, communications system or reception and decontamination facilities in the plans have undergone substantial changes.
CA State Parks	There are no new emergency response facilities, communications systems, or reception and decontamination facilities and none of the current facilities, communications system or reception and decontamination facilities in the plans have undergone substantial changes.. To enhance the EOC's audio/visual resources, a deddicated PC with multi-funtion printer/copier and a Laptop for portability to the alternate EOC were installed along with two 42" flat panel TVs. Two portable radio with direct communication to SONGS security and a portable for direct communication with OC Sheriff's Communications Center/ Control One were added to the facility.

Plume Survey Kits

Instrumentation is calibrated and inventoried annually by SONGS per manufacturer's instructions. The kits are also re-inventoried within 14 days of use. Documentation is available upon request.

Location	Number of Kits
Orange County Fire Station #4 - Irvine	3
Oceanside Fire Station #7 - Oceanside	3
Camp Pendleton Fire Station # 1 - USMC Camp Pendleton	3

Each kit contains 1 Ludlum Measurement Model 2241-2 meter, 1 SAIC H-810 air sampler, 3 XB GN TLDs and 3 Aloka MyDose Mini Pocket Dosimeters.

Portal Radiation Monitors

The portal monitors are performance tested semi annually and response checked prior to use, in accordance with manufacturer's instructions. Documentation is maintained and available upon request of the respective jurisdiction.

Location	Model/Quantity	Qty
Orange County, 2228 Ritchey St, Santa Ana OC Health Care Agency EOC	SAIC PPM-2000	14
	Canberra Mini Sentry	8
Camp Pendleton Fire Station # 1, USMC Camp Pendleton	SAIC PPM-2000	6
San Diego County Department of Environmental Health Hazardous Materials Office; 1175 Imperial Avenue, San Diego	SAIC PPM-2000	3
San Diego County Office of Emergency Services; 5555 Overland Avenue, San Diego	SAIC PPM-2000	3

Radiation Survey Meters

Survey instruments are calibrated and inventoried annually and response checked prior to use. Documentation is maintained and available upon request from SONGS and the respective Emergency Operations Centers.

Location	Model/Quantity	Qty
Orange County, 2228 Ritchey St, Santa Ana OC Health Care Agency EOC	Ludlum Measurement Model 2241	25
	Ludlum Measurement Model 2241-2	2
San Diego County Office of Emergency Services 5555 Overland Avenue, San Diego	Ludlum M 2241 Digital Rate meters	4
Tri-City Medical Center, Oceanside	Eberline E-140	2
Saddleback Hospital San Clemente Campus	Eberline E-140	2
Mission Hospital and Medical Center, Mission Viejo	Eberline E-140	2
Mission Hospital of Laguna Beach, South Laguna	Eberline E-140	2

Thermoluminescent Dosimeters (TLDs) are inventoried and replaced annually in January.

Electronic Direct Reading Dosimeters are inventoried annually and are calibrated and maintained in accordance with manufacturer's instructions. Documentation is maintained and available upon request from SONGS and the respective jurisdiction.

Note 1: Local and County Agencies use Radiation Detection XB GN TLDs.

Note 2: Local and County Agencies use Aloka MyDose Mini Pocket Dosimeters.
Dana Point maintains Rados 50R/60R Personal Dosimeters
State Agencies use SAIC PD-3-i-s Electronic Dosimeters

Potassium Iodide (Emergency Worker and Public). Sufficient quantities of Potassium Iodide (KI) are available to emergency workers and the general public. Expirations dates are maintained by the responsible agency.

Note 3: (1) IOSAT 130 mg for Adults (2) Thyrosafe 65 Mg Tablets

Agency	Location	TLD Qty	EDRD Qty Notes 1 & 2	KI Qty Note 3
Orange County	American Red Cross, OC Chapter, 601 North Golden Circle Dr, Santa Ana	10	10	10
	CUSD Transportation Department, 2B Liberty, Aliso Viejo	150	150	150
	OC Community Resources OC Animal Care, 561 The City Drive South, Orange	15	15	15
	Health Care Agency Emerg. Medical Svcs., PO Box 355, Santa Ana Environ. Health, 2009 E. Edinger Ave, Santa Ana	100 15	100 15	100 47
	Orange County Fire Authority, 1 Fire Authority Road, Irvine	100	100	100
	Orange County Sheriff's Department Aliso Viejo Sub Station, 11 Journey San Clemente Sub Station, 100 Avenida Presidio Emergency Management	249 4 242	249 4 501	249 4 3400
	OCTA, 550 South Main Street, Orange	30	30	30
	OC Public Works, 2301 N. Glassel, Orange (Dana Point Yard 4) (Glassel Yard 16)	20	20	20
	OC Public Works/Agriculture Commissioner, 10852 Douglass Road, Anaheim	2	2	2
	San Diego County	124	21	800 (1) 79,740 (2)
	Oceanside Radmon Team – Fire Station 7	24	6	3200 (2)
San Clemente	Encinitas Sheriff's Substation	50	15	200
	EOF Liaison	1	1	20
	Hazardous Incident Response Team	n/a	6	
	Sr. Health Physicist	n/a	1	20
	EOC, 390 Pico Ave. Building H	65	47	305
	900 Calle Negocio	0	2	224
	Facilities, 380 Pico Ave Bldg A	19	16	36

Agency	Location	TLD Qty	EDRD Qty Notes 1 & 2	KI Qty Note 3
	Police Services, 100 Ave. Presidio	14	14	70
	Golf Course Admin., 402 Calle Bahia	2	1	2
Dana Point	33282 Golden Lantern Drive	50	20/30	50 Cases
San Juan Capistrano	32400 Paseo Adelanto	50	29	210
CA State Parks	3030 Avenida del Presidente	50	50	700
CHP	Border Division, 9330 Farnham St, San Diego	130	20	1820
	Oceanside Area, 1888 Oceanside Blvd		30	
	Capistrano Area, 32951 Camino Capistrano		30	
	San Onofre Inspection Facility, 15 Northbound at mile post marker (MPM) 67.335, PO Box 2030, Oceanside		30	
	Temecula Area, 27685 Commerce Center Dr.		10	
	Westminister Area, 13200 Golden West St.		10	
Caltrans	32941 Camino Capistrano, San Juan Capistrano, CA. 92675	50	50	700
CUSD	KI tablets are distributed to all CUSD Schools in the EPZ	150	150	20,820 (1) 14,630 (2)

3. EXERCISES – PLANNING STANDARD N

FEMA evaluates exercises required by the provisions of NUREG-0654, planning standard N; therefore, this information need not be included with the ALC.

4. DRILLS – PLANNING STANDARD N

- a. Communications drills were conducted. Documentation for a particular activity is available from the sponsoring organization and/or individual agency.
- b. There was a FEMA graded biennial medical drill on June 16, 2010
- c. Health Physics drills are conducted during scheduled site drills.

Drill	Agencies Represented	No. of Participants	Sponsor
(a.) Communications Test between SONGS and State and local governments within the plume exposure EPZ - Monthly Yellow and Blue phone tests	Orange County, San Diego County, San Clemente, Dana Point, San Juan Capistrano, State Parks, Camp Pendleton, CHP and State Warning Center	13/month	IPC
(b.) MS-1 Medical Drill; Mission Hospital of Laguna Beach (6/16)	Hospital Emergency Room Staff; SONGS Fire Department; Health Physics, Medical	30/drill	SONGS
Orange County Mobilization Exercise	Orange County	105	Orange County
(a.) (c.) SONGS Site Drill; Communications links	SD County OES, Dana Point, San Juan Capistrano, San Clemente, State OES, State Parks Orange County Sheriff	55	SONGS

Drill	Agencies Represented	No. of Participants	Sponsor
between SONGS and State and local EOCs and field assessment teams as well as field monitoring activities by SONGS Health Physics Staff (7/14, 9/22 11/24, 12/10)	Department Emergency Management Bureau, OC Health Care Agency, San Diego OES and the Offsite Dose Assessment Center		

Additional Drills:

Drills	Agencies Represented	No. of Participants	Sponsor
October 21, 2010, Great California Shakeout	San Juan Capistrano	46	San Juan Capistrano
City Hall Evacuation Drill (52)	San Juan Capistrano	52	San Juan Capistrano
Community Alert Siren System Test (10/20/10)	Cal Trans does not activate sirens. Caltrans participated in the test by activating four fixed and three changeable message signs and monitoring the traffic in the area.	3	SONGS
MS-1 Medical Drill with Saddleback San Clemente Hospital (10/19)	Hospital Emergency Room Staff; SONGS Medical	12	SONGS

5. RADIOLOGICAL EMERGENCY RESPONSE TRAINING – PLANNING STANDARD O

Records and lesson plans/presentations are available upon request from the sponsoring organization and/or individual agency.

Training/Date Provided	Agencies Represented	No. Trained	Sponsor
Medical Services Training (MS-1). Provide instruction for handling contaminated patient (5/25, 5/26, 6/11, 6/15)	Mission Hospital of Laguna Beach and Orange County Fire Authority	~40	SONGS
Emergency Responder Seminar - Provide overview of plant operations, security, radiation & IPC organization 7/27	Orange County Fire Authority, Dana Point, San Diego County OES (1), San Clemente, San Juan Capistrano, CalTrans, Orange County Sheriff's Dept; OC Transportation Authority, CUSD, State Parks, CDPH, Cal EMA, CHP, Orange County HCA	45	SONGS
Decision-Makers IPZ Symposium (10/26)	Orange County, San Juan Capistrano, San Clemente, Dana Point USMC Camp Pendleton, San Diego County, State Parks	35	SONGS

Training/Date Provided	Agencies Represented	No. Trained	Sponsor
JIC PIO Training /Drill Participation 4/5, 6/2, 7/14, 9/22	Orange County, Cal EMA, San Juan Capistrano, San Clemente, Dana Point, USMC Camp Pendleton, Red Cross, San Diego County, CUSD	25	SONGS
NREP Conference (3/29-4/1)	San Diego County OES	2	SONGS
Ingestion Pathway Initial Planning Conference (11/30)	Orange County, San Juan Capistrano, San Clemente, Dana Point USMC Camp Pendleton, San Diego County, State Parks	40	SONGS
San Luis Obispo Dress Rehearsal (7/7/10)	San Diego County	1	PG&E
San Luis Obispo Graded Exercise (8/11/10)	San Diego County	1	PG&E
SONGS Basic and EOC/IPC-JIC Training (2/10)	San Diego County	2	SONGS/SD County
SONGS Basic and EOC/IPC-JIC Training (5/24)	San Diego County	2	SONGS/SD County
SONGS Basic and EOC/IPC-JIC Training (9/16)	San Diego County	2	SONGS/SD County
RDC Key Position Training 2/17	Costa Mesa Fire Department, OC Health Care Agency, Orange County Fire Authority, American Red Cross, Orange County Sheriff Department, Orange County Sheriff Department Emergency Management Bureau	18	Orange County
RDC Logistic Section Training 2/23	Orange County Sheriff Department Emergency Management Bureau, OC Health Care Agency	16	Orange County
RDC Portal Monitor Training - Provide instruction on the setup and use of portal monitors 2/8 and 2/17	Costa Mesa Fire Department, Orange County Sheriff Department Emergency Management Bureau, OC Health Care Agency	10	Orange County
RDC Recorder Training 2/24 and 3/17	Orange County Sheriff Department	16	Orange County
RDC Hands on Site Training- showers, portal monitors, area set up 3/16	Costa Mesa Fire Department, OC Health Care Agency, Orange County Fire Authority, American Red Cross, Orange County Sheriff Department, Orange County Sheriff Department Emergency Management Bureau	20	Orange County
ODAC Site Drill 9/22	OC Health Care Agency	12	Orange County
IPX Radiological Overview and Health Response 9/22	OC Health Care Agency	30	Orange County
Area Rac Training 10/21	OC Health Care Agency	4	Orange County
ODAC ECL Training 11/9	OC Health Care Agency	9	Orange County

Training/Date Provided	Agencies Represented	No. Trained	Sponsor
ODAC Orientation Training 11/29	OC Health Care Agency Cal EMA	10	Orange County
Executive PAG Training 11/9	OC Health Care Agency	5	Orange County
Portal Monitor Training - Provide instruction on the setup and use of portal monitors. 1/12, 8/30 and 12/06	Orange County Sheriff Department Emergency Management Bureau, OC Health Care Agency	20	Orange County/ SONGS
RERO, 2/8-13 (OCHCA-3) 8/14 (OCSD-1; OCHCA-2)	Orange County Sheriff Department Emergency Management Bureau, OC Health Care Agency	6	Orange County
ODAC Radiation Monitoring Team Training (9/22)	Orange County Fire Authority, Oceanside Fire Department, Camp Pendleton Fire Department	9	SONGS
SONGS overview training presentation (8/11)	San Juan Capistrano	78	San Juan Capistrano
Transportation Control Point, KI, DRD, and TLD training to field staff (9/23)	San Juan Capistrano	23	San Juan Capistrano
SONGS/EOC Training 7/7, 7/16, 7/21, 7/29, 7/31	City of San Clemente	48	San Clemente
Alert & Warning Coordinator Training 6/14	City of San Clemente	4	San Clemente

6. UPDATE OF PLANS AND LETTERS OF AGREEMENT – PLANNING STANDARD P

a. Emergency Plans and Letters of Agreement

Emergency Plans and letters of agreement are reviewed on a periodic basis. Documentation is maintained and available upon request from the responsible agency.

Agency	Document	Status
Orange County	Emergency Plan	Plans and letters of agreement have been reviewed for accuracy and completeness of information and the appropriate changes have been made. The Planning Issues identified during the FEMA evaluation of the March 23, 2010 San Onofre Nuclear Generating Station (SONGS) Reception and Decontamination Exercise were reviewed and incorporated as appropriate into the revised SONGS Reception and Decontamination Center Annex dated January 2011 and approved by the Orange County Operational Area Executive Board in February 2011.

San Diego County	Emergency Plan	Plans and letters of agreement have been reviewed for accuracy and completeness of information and the appropriate changes have been made.
San Clemente	Emergency Plan	The City of San Clemente has reviewed its plans and letters of agreement for accuracy and completeness of information. Appropriate changes have been made.
Dana Point	Emergency Plan	Plans and letters of agreement have been reviewed for accuracy and completeness of information and the appropriate changes have been made.
San Juan Capistrano	Emergency Plan	Plans and letters of agreement have been reviewed for accuracy and completeness of information and the appropriate changes have been made.
CA State Parks	Emergency Plan	Plans and letters of agreement have been reviewed for accuracy and completeness of information and the appropriate changes have been made.
California Highway Patrol	Emergency Plan	Plans and letters of agreement have been reviewed for accuracy and completeness of information and the appropriate changes have been made. Emergency response plans were fully revised in December 2010.
California Emergency Management Agency	Emergency Plan	Plans have been reviewed for accuracy and completeness of information and the appropriate changes have been made.
SONGS	Medical Agreements	All Medical agreements were reviewed and verified as accurate and current

7. **ALERT AND NOTIFICATION – APPENDIX 3**

- a. SONGS tests and maintains 52 sirens in the Emergency Planning Zone. A routine siren test program was completed in accordance with the approved design report.

1. Scheduled Testing
Scheduled tests included bi-weekly silent, quarterly growl, and the annual audible test.
2. Dates
The dates of the tests follow:

Silent Test		Growl test	Complete Cycle Test - Audible
1-7-10	7-7-10	3-4-10	10-20-10
1-26-10	7-23-10	5-27-10	
2-10-10	8-4-10	8-2-10	
2-24-10	8-20-10	11-18-10	
3-11-10	9-1-10		
3-24-10	9-14-10		
4-5-10	9-28-10		
4-15-10	10-15-10		
4-26-10	10-27-10		
5-20-10	11-10-10		
6-3-10	11-24-10		
6-11-10	12-10-10		
6-22-10	12-21-10		

3. Following is a summary of sirens that tested both operable and inoperable for the calendar year.

Total sirens tested last 12 months	1618
Total sirens that tested operable last 12 months	1601
Total sirens inoperable – last 12 months	17

- b. NRC Performance Indicator. The analysis of the scheduled siren testing in 2010 was well above the 90%. The results follow. The percentages were calculated in accordance with NEI 99-02 Rev 6.

Element Name	Q1/2010	Q2/2010	Q3/2010	Q4/2010
Successful Siren-tests	350	405	399	447
Successful siren-tests last 12 months	1588	1633	1673	1601
Total sirens tested	362	406	400	450
Total sirens Tested last 12 months	1610	1652	1688	1618
Performance Indicator Percentage	98.6	98.8	99.1	98.9

- The computation of siren operability for the immediately preceding calendar year period is provided. This is determined by a simple average of all regularly conducted tests employed as part of the testing program.
- The site value for this indicator is calculated as follows:

Number of successful siren - tests in the previous 4 qtrs.

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Total number of siren - tests in the previous 4 qtrs. X 100 = the percentage

- c. Tone Alert Radios are not used.
- d. Special Alerting Systems may be used to notify the population in the Emergency Planning Zone. Available systems include, but are not limited to:

Agency	(1) Public Address Available	(2) Mobile Route Alerting	(3) Institutional Alerting	(4) Automatic Dialers	(5) EAS Broadcast	(6) 800 MHZ Radios	(7) Other
Orange County	N/A	X	X	AlertOC	X	X	
San Diego County	N/A	N/A	N/A	Alert San Diego	X	X	
State Parks	X	X	N/A	N/A	N/A		
San Clemente	X	X	X	AlertOC	N/A		RACES
Dana Point	X	X	X	AlertOC	N/A		RACES
San Juan Capistrano	N/A	X	X	AlertOC	N/A		RACES

- Public Address (PA) features are available for the coastal jurisdictions of Dana Point, San Clemente and State Parks. Additionally, all 10 Camp Pendleton sirens have (PA) capabilities and one of the nine sirens in San Juan Capistrano has PA capability. Dana Point and San Clemente tested the PA capability in conjunction with the annual audible test.
- Mobile route alerting is available and plans are in place to implement as needed.
- Institutional Alerting (i.e., hospitals, schools, etc) will be completed by Orange County in coordination with the cities.

- (4) Auto dialers (i.e., reverse 911 type systems) are used and tested on a periodic basis by all jurisdictions. They have been tested and used during actual emergencies.
 - (5) The EAS system is activated by Orange and San Diego County. It is tested on a monthly basis.
 - (6) 800 MHz Radios are employed. Interoperability between responding and law enforcements agencies has been tested. Radios are tested on a periodic basis.
 - (7) This may include RACES.
- e. The maintenance program for special alerting systems has been properly implemented in accordance with jurisdictional policies and practices.
 - f. For the areas where mobile route alerting and notifications occurs, the routes, alerting methods, and resources remain unchanged.
 - g. Sound pressure levels continue to meet all regulatory guidance.
 - h. Siren coverage was modified in 2010 with the removal of Sirens OC-7 and OC-8. These two sirens covered the unincorporated area of Orange County where a private company was located. The company, Northrop Grumman, has closed down their operations and the sirens that supported that area have been removed. The removal of these two sirens was approved by FEMA on March 24, 2010.
 - i. The transient populations have not changed.