

Group B

FOIA/PA NO: 2014-0466

RECORDS BEING RELEASED IN PART

The following types of information are being withheld:

- Ex. 1: ☐ Records properly classified pursuant to Executive Order 13526
- Ex. 2: ☐ Records regarding personnel rules and/or human capital administration
- Ex. 3: ☐ Information about the design, manufacture, or utilization of nuclear weapons
☐ Information about the protection or security of reactors and nuclear materials
☐ Contractor proposals not incorporated into a final contract with the NRC.
☐ Other _____
- Ex. 4: ☐ Proprietary information provided by a submitter to the NRC
☐ Other _____
- Ex. 5: ☐ Draft documents or other pre-decisional deliberative documents (D.P. Privilege)
☐ Records prepared by counsel in anticipation of litigation (A.W.P. Privilege)
☐ Privileged communications between counsel and a client (A.C. Privilege)
☐ Other _____
- Ex. 6: ☒ Agency employee PII, including SSN, contact information, birthdates, etc.
☐ Third party PII, including names, phone numbers, or other personal information
- Ex. 7(A): ☐ Copies of ongoing investigation case files, exhibits, notes, ROI's, etc.
☐ Records that reference or are related to a separate ongoing investigation(s)
- Ex. 7(C): ☐ Special Agent or other law enforcement PII
☐ PII of third parties referenced in records compiled for law enforcement purposes
- Ex. 7(D): ☐ Witnesses' and Allegers' PII in law enforcement records
☐ Confidential Informant or law enforcement information provided by other entity
- Ex. 7(E): ☒ Law Enforcement Technique/Procedure used for criminal investigations
☐ Technique or procedure used for security or prevention of criminal activity
- Ex. 7(F): ☒ Information that could aid a terrorist or compromise security

Other/Comments: _____

10 CFR 50.54(q)

September 18, 2013

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Subject: **Docket Nos. 50-206, 50-361, 50-362, and 72-41
Revision 34 to the Emergency Plan and Revisions to the Emergency Plan
Implementing Procedures
San Onofre Nuclear Generating Station (SONGS), Units 1, 2, and 3, and the
Independent Spent Fuel Storage Installation**

Dear Sir or Madam:

Pursuant to 10 CFR 50.54(q), Southern California Edison (SCE) has revised the Emergency Plan for the San Onofre Nuclear Generating Station (SONGS), and multiple Emergency Plan Implementing Procedures.

The changes to the Emergency Plan were primarily due to optimization of the Emergency Response Organization (ERO) staffing in support of decommissioning SONGS Units 2 and 3. The optimization effort eliminated non-minimum ERO staff positions consolidating position tasks and functions, and combined these with the duties of the required minimum staff. The Emergency Plan Implementing Procedures were upgraded to align with industry best practices by creating new position checklists incorporated into new facility-specific procedures. As a result, several position-specific procedures were superseded.

SCE has determined that the changes do not reduce the effectiveness of the Emergency Plan or Emergency Plan Implementing Procedures, and the Emergency Plan, as changed, continues to meet the standards of 10 CFR 50.47(b) and the requirements of 10 CFR 50 Appendix E. This letter serves as the report required by 10 CFR 50.54(q)(iv)(5) and 10 CFR 50 Appendix E Section V.

Attachment 1 of this letter transmits Revision 34 of the SONGS Emergency Plan effective August 20, 2013. Attachment 2 provides a report and analysis summary of the Emergency Plan changes.

Attachment 3 of this letter provides a copy of the following revised Emergency Plan Implementing Procedures:

AV45
FSME20
MM5526

<u>Procedure</u>	<u>Rev.</u>	<u>Effective Date</u>
SO123-VIII-10.3, PROTECTIVE ACTION RECOMMENDATIONS	16	08/28/2013
SO123-VIII-10.6, EMERGENCY RESPONSE ACTIONS FOR A DECLARED SECURITY EVENT	7	08/20/2013
SO123-VIII-30.7, EMERGENCY NOTIFICATIONS	17	08/22/2013
SO123-VIII-CR, EMERGENCY RESPONSE ORGANIZATION (ERO) CONTROL ROOM POSITION CHECKLISTS	0 EC-1	08/20/2013 08/21/2013
SO123-VIII-Eof, EMERGENCY RESPONSE ORGANIZATION (ERO) EMERGENCY OPERATIONS FACILITY POSITION CHECKLISTS	0	08/20/2013
SO123-VIII-JIC, EMERGENCY RESPONSE ORGANIZATION (ERO) JOINT INFORMATION CENTER (JIC) POSITION CHECKLIST	0	08/20/2013
SO123-VIII-OSC, EMERGENCY RESPONSE ORGANIZATION (ERO) OPERATIONS SUPPORT CENTER POSITION CHECKLISTS	0	08/20/2013
SO123-VIII-TSC, EMERGENCY RESPONSE ORGANIZATION (ERO) TECHNICAL SUPPORT CENTER POSITION CHECKLISTS	0	08/20/2013
SO123-XXI-1.11.3, EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION	29	08/28/2013

For your convenience, Attachment 4 provides an updated index listing titles, revisions, and editorial corrections (ECs) of the SONGS Emergency Plan Implementing Procedures, as of August 28, 2013. A bar in the right margin indicates items changed since our previous submittal.

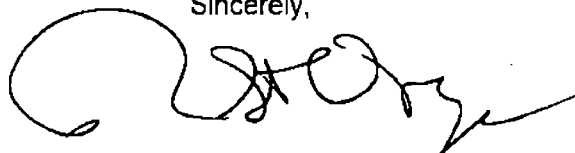
Attachment 5 lists the current Emergency Plan Manuals, Orders, and Training Procedures that are referenced in the Emergency Plan. A bar in the right margin indicates items changed since our previous submittal.

Attachment 6 provides a report and analysis summary of the Emergency Plan Implementing Procedures changes.

There are no commitments contained in this letter or its attachments.

If you have any questions, please contact Danny R. Cleavenger, Emergency Planning Manager, at (949) 368-6643.

Sincerely,



Attachments: 1. SONGS Emergency Plan - Revision 34 Changes
2. Report and Analysis Summary of Emergency Plan Changes
3. Revised Emergency Plan Implementing Procedures
4. SONGS Emergency Plan Implementing Procedures Index
5. SONGS Emergency Plan Referenced Manuals, Orders and Training Procedures Index
6. Report and Analysis Summary of Emergency Plan Implementing Procedures Changes

cc: Emergency Response Coordinator, NRC Region IV (2 copies of Attachment 3)
S. A. Reynolds, Regional Administrator (Acting), NRC Region IV
J. E. Whitten, NRC Region IV, Nuclear Material Safety Branch Chief
R. Hall, NRC Project Manager, SONGS Units 2 and 3
B. Benney, NRC Project Manager, SONGS Units 2 and 3
J. C. Shepherd, NRC Project Manager, San Onofre Unit 1
W. C. Allen, NRC Project Manager, San Onofre ISFSI
G. G. Warnick, NRC Senior Resident Inspector, SONGS Units 2 and 3

Attachment 1
SONGS Emergency Plan
Revision 34 Changes

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EMERGENCY PLAN

FOR

SAN ONOFRE NUCLEAR GENERATING STATION

Southern California Edison Company
San Diego Gas and Electric Company
City of Anaheim
City of Riverside

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SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)

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SECTION 1

DEFINITIONS AND ACRONYMS

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS

1.1 DEFINITIONS

The terms defined in this section are those which are used in special context in this document or are unique to the San Onofre Nuclear Generating Station.

ACTUATE -

To put into operation; to move to action. Commonly used to refer to automated, multi-faceted operations (e.g., "actuate ECCS").

AFFECTING SAFE SHUTDOWN -

Event in progress has adversely affected functions that are necessary to bring the plant to and maintain it in the applicable Hot or Cold Shutdown condition. Plant condition applicability is determined by Technical Specification LCOs in effect.

Example 1: Event causes damage that results in entry into an LCO that requires the plant to be placed in Hot Shutdown. Hot Shutdown is achievable, but Cold Shutdown is not. This event is not "Affecting Safe Shutdown."

Example 2: Event causes damage that results in entry into an LCO that requires the plant to be placed in Cold Shutdown. Hot Shutdown is achievable, but Cold Shutdown is not. This event is "Affecting Safe Shutdown."

ALARA -

Acronym for "As Low as Reasonably Achievable," a basic concept of radiation protection that specifies that radioactive discharges from nuclear plants and radiation exposure to personnel be kept as far below regulation limits as feasible.

ALERT -

Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.

AVAILABLE -

The state or condition of being ready and able to be used (placed into operation) to accomplish the stated (or implied) action or function. As applied to a system, this requires the operability of necessary support systems (electrical power supplies, cooling water, lubrication, etc.).

AREA RADIATION MONITORING SYSTEM -

An instrumentation system which measures radiation levels in various plant areas and alarms if abnormal radiation levels are detected.

ASSEMBLY AREA -

An area designated for the assembly of site personnel upon evacuation of the protected area.

BOMB -

Refers to an explosive device suspected of having sufficient force to damage plant systems or structures.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

CAN / CANNOT BE DETERMINED (< / >) -

The current value or status of an identified parameter relative to that specified can / cannot be ascertained using all available indications (direct and indirect, singly or in combination).

CAN / CANNOT BE MAINTAINED ABOVE / BELOW (< / >) -

The value of the identified parameter(s) is / is not able to be kept above / below specified limits. This determination includes making an evaluation that considers both current and future system performance in relation to the current value and trend of the parameter(s). Neither implies that the parameter must actually exceed the limit before the action is taken nor that the action must be taken before the limit is reached.

CAN / CANNOT BE RESTORED ABOVE / BELOW (< / >) -

The value of the identified parameter(s) is / is not able to be returned to above / below specified limits after having passed those limits. This determination includes making an evaluation that considers both current and future systems performances in relation to the current value and trend of the parameter(s). It does not imply any specific time interval, but does not permit prolonged operation beyond a limit without taking the specified action.

As applied to loss of electrical power sources (e.g., power cannot be restored to any vital bus in ≤ 4 hours), the specified power source cannot be returned to service within the specified time. This determination includes making an evaluation that considers both current and future restoration capabilities. It implies that the declaration should be made as soon as the determination is made that the power source cannot be restored within the specified time.

CIVIL DISTURBANCE -

A group of persons violently protesting station operations or activities at the site.

CLOSE -

To position a valve or damper so as to prevent flow of the process fluid. To make an electrical connection to supply power.

CONFINEMENT BOUNDARY -

The barrier(s) between areas containing radioactive substances and the environment.

CONFIRM / CONFIRMATION -

To validate, through visual observation or physical inspection, that an assumed condition is as expected or required, without taking action to alter the "as found" configuration.

CONTAINMENT CLOSURE -

Containment closure is the action taken to secure Containment and its associated structures, systems and components as a functional barrier to fission product release under existing plant conditions. Containment closure control requirements are defined in SO23-5-1.8.1, Shutdown Nuclear Safety, Section 6.7, Containment Closure Control.

CONTIGUOUS -

Being in actual contact; touching along a boundary or at a point.

CONTROL -

Take action, as necessary, to maintain the value of a specified parameter within applicable limits; to fix or adjust the time, amount, or rate of; to regulate or restrict.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

COMMITTED DOSE EQUIVALENT -

The internal organ dose to a target organ accumulated by an individual over a 50 year period.

COMMITTED EFFECTIVE DOSE EQUIVALENT -

The sum of all internal organ doses times their risk weighing factors.

COMMUNITY ALERT AND NOTIFICATION SYSTEM -

A system of sirens installed in the local communities which provides the primary means of alerting the public to an impending notification by public authorities via the Emergency Alert System.

COMMUNITY ALERT SIREN SYSTEM -

A system of sirens installed in the local communities, which is part of the Community Alert and Notification System and that is controlled by those communities, but maintained by SONGS.

CONTINUOUS AIR MONITOR -

An instrument designed to detect airborne radioactivity on a real time basis and alarm at specified concentrations.

CONTROL OPERATOR (UNITS 2/3) -

The individual directly operating and controlling the nuclear reactor and associated equipment at SONGS.

CONTROL ROOM -

The location at SONGS from which the reactor and its auxiliary systems are controlled.

CONTROL ROOM PERSONNEL (UNITS 2/3) -

Shift Manager Control Room Supervisor, Control Operator, Assistant Control Operator, Nuclear Plant Equipment Operator, Shift Technical Advisor, and Shift Communicator.

CORPORATE EMERGENCY DIRECTOR -

The individual responsible for management of overall Company response from the Emergency Operations Facility; acts as Emergency Coordinator.

DEEP DOSE EQUIVALENT -

The whole body gamma plus neutron dose. This term is taken to be equivalent to the external dose equivalent and, if the exposure is uniform, to the effective dose equivalent.

DISCHARGE -

Removal of a fluid / gas from a volume or system.

DOSE PROJECTIONS -

A calculated estimate of the potential dose to individuals at a given location, based on estimates of the quantity of radioactive material released, and appropriate meteorological conditions.

DRILL -

A supervised and evaluated instruction period aimed at testing, developing and maintaining skills in a particular operation.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

EMERGENCY ACTION LEVEL -

A predetermined, site-specific, observable threshold for a plant initiating condition that places the plant in a given emergency class. An EAL can be an instrument reading, an equipment status indicator, a measurable parameter (on-site or off-site), a discrete, observable event, results of analyses, entry into specific emergency operating instructions or another phenomenon which, if it occurs, indicates entry into a particular emergency class.

EMERGENCY CLASS -

The severity level of an emergency designated by one of the four following categories: Notification of Unusual Event, Alert, Site Area Emergency, and General Emergency.

EMERGENCY COORDINATOR -

The individual responsible for management of overall emergency response and protective action recommendations.

EMERGENCY KIT -

A kit containing equipment and supplies for use during emergencies.

EMERGENCY OPERATIONS CENTER -

A location at the headquarters of each offsite response agency that may be used to direct the action taken by the designated agencies under its jurisdiction during an emergency at SONGS.

EMERGENCY OPERATIONS FACILITY -

The onsite facility for providing management of overall emergency response coordination and determination of public protective action recommendations. The EOF also provides space for Federal, State and local representatives.

EMERGENCY PLAN IMPLEMENTING PROCEDURES -

The detailed procedures which provide specific instructions for emergency response personnel to implement the provisions of this Plan.

EMERGENCY PLANNING ZONE -

The area surrounding SONGS for which plans have been prepared for protecting the population in the event of an emergency involving the plant. There are two separate emergency planning zones around SONGS. The smaller is the plume exposure EPZ.

The plume exposure EPZ is approximately 10 miles in radius and includes the cities of Dana Point, San Clemente and San Juan Capistrano, those portions of unincorporated areas of Orange and San Diego Counties, the Marine Corps Base Camp Pendleton within the ten mile radius and the California Department of Parks and Recreation beaches and camping areas known as San Onofre, San Clemente, Cristianitos, and Doheny. The larger is the Ingestion Pathway EPZ. The Ingestion Pathway EPZ is defined by a fifty mile radius from SONGS and includes all of Orange County, and portions of San Diego, Riverside, San Bernardino, and Los Angeles counties.

EMERGENCY RESPONSE ORGANIZATION -

The SCE organization responsible for the implementation of the Emergency Plan.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

EMERGENCY RESPONSE PERSONNEL -

SCE personnel who may be called upon during an emergency to perform their normal duties to mitigate accident conditions at SONGS.

ENTER -

To go into.

EPA PAGs -

Environmental Protection Agency (EPA) Protective Action Guides (PAGs). The EPA PAGs are expressed in terms of dose commitment: 1,000 mrem TEDE and 5,000 mrem thyroid CDE. Actual or projected off-site exposures at or above a predetermined fraction of the EPA PAGs require SONGS to recommend protective actions for the general public to off-site emergency response agencies.

ESTABLISH -

To perform actions necessary to meet a stated condition (e.g., "establish communication with the Control Room").

EVACUATE -

To remove the contents of; to remove personnel from an area.

EXCEEDS -

To go or be beyond a stated or implied limit, measure or degree.

EXCLUSION AREA -

The exclusion area shall be as described in Section 2.1.1.2 of the Units 2 & 3 UFSAR. The exclusion area boundary is delineated in figure 2.1-5 of the Units 2 & 3 UFSAR.

EXCLUSION AREA BOUNDARY (EAB) -

The EAB is roughly formed by two semicircles with radii of 1967.5 ft. each, centered on the Unit 2 Containment dome and a point 134 ft. southeast of the Unit 3 Containment dome, with a tangent connecting the landward arcs and seaward arcs of the two semicircles. The EAB is depicted in UFSAR Figure 2.1-5.

EXERCISE -

A test of the integrated capability and a major portion of the basic elements existing within emergency preparedness plans and organizations. An exercise may involve participation of offsite organizations.

EXIST -

To have being with respect to understood limitations or conditions.

EXPLOSION -

A rapid, violent, unconfined combustion or catastrophic failure of pressurized equipment that imparts energy of sufficient force to potentially damage permanent structures, systems or components.

EXTINGUISHED -

Cessation of combustion and production of heat and emission of light, as determined by the Fire Department Shift Captain / Incident Commander.

EXTORTION -

An attempt to cause an action at the station by threat of force.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

FAULTED -

In a Steam Generator, the existence of secondary side leakage that results in an uncontrolled decrease in Steam Generator pressure or the Steam Generator being completely depressurized.

FAILURE -

A state of inability to perform a normal function.

FIRE -

Combustion characterized by heat and light. Sources of smoke such as slipping drive belts or overheated electrical equipment do not constitute fires. Observation of flame is preferred, but is not required if large quantities of smoke and heat are observed.

FISSION PRODUCT BARRIERS -

Multiple physical barriers, any one of which if maintained intact, precludes the release of significant amounts of radioactive fission products to the environment. For radioactive materials that are contained within the reactor core, the Fission Product Barriers are the Fuel Clad, Reactor Coolant System pressure boundary and Containment.

GENERAL EMERGENCY -

Events are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area.

HOSTAGE -

Person(s) held as leverage against the station to ensure that demands will be met by the station.

HOSTILE ACTION -

An act toward SONGS or its personnel that includes the use of violent force to destroy equipment, take hostages and/or intimidate the licensee to achieve an end. This includes attack by air, land or water using guns, explosives, projectiles, vehicles or other devices used to deliver destructive force. Other acts that satisfy the overall intent may be included. HOSTILE ACTION should not be construed to include acts of civil disobedience or felonious acts that are not part of a concerted attack on SONGS. Non-terrorism-based EALs should be used to address such activities (i.e., this may include violent acts between individuals in the Owner Controlled Area).

HOSTILE FORCE -

One or more individuals who are engaged in a determined assault, overtly or by stealth and deception, equipped with suitable weapons capable of killing, maiming or causing destruction.

IF -

Logic term which indicates that taking the action prescribed is contingent upon the current existence of the stated condition(s). If the identified conditions do not exist, the prescribed action is not to be taken and execution of operator actions must proceed promptly in accordance with subsequent instructions.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

IMMEDIATELY DANGEROUS TO LIFE AND HEALTH (IDLH) -

An atmospheric concentration of any toxic, corrosive or asphyxiant substance that poses an immediate threat to life or would cause irreversible or delayed adverse health effects or would interfere with an individual's ability to escape from a dangerous atmosphere.

IMMINENT -

About to occur; impending, or mitigation actions have been ineffective, additional actions are not expected to be successful, and trended information indicates that the event or condition will occur. Where IMMINENT time frames are specified, they shall apply.

INGESTION EXPOSURE PATHWAY -

The exposure pathway from which the principal source of exposure is from ingestion of contaminated foods or water, extending to 50 miles from SONGS.

INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) -

A complex that is designed and constructed for the interim storage of spent nuclear fuel and other radioactive materials associated with spent fuel storage.

INDICATE -

To point out or point to; to display the value of a process variable; to be a sign or symbol.

INITIATE -

The act of placing equipment or a system into service, either manually or automatically. Activation of a function or protective feature (e.g., initiate a manual trip).

INITIATING CONDITION -

One of a predetermined subset of nuclear power plant conditions where either the potential exists for a radiological emergency, or such an emergency has occurred.

INJECTION -

The act of forcing a fluid into a volume or vessel.

INOPERABLE -

Not able to perform its intended function.

INTRUDER -

Person(s) present in a specified area without authorization.

JOINT INFORMATION CENTER -

An emergency response facility located at the Saddleback District office in Irvine from which all releases of official information are made to the media.

LOSS -

Failure of operability or lack of access to.

LOWER -

To become progressively less in size, amount, number or intensity.

LOWER FLAMMABILITY LIMIT -

The minimum concentration of a combustible substance that is capable of propagating a flame through a homogenous mixture of the combustible substance and a gaseous oxidizer.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

MAINTAIN -

Take action, as necessary, to keep the value of the specified parameter within the applicable limits.

MALEVOLENT -

Having, showing or arising from intense, often vicious, ill will, spite or hatred.

MANUAL OF EMERGENCY EVENTS -

Manual to assist offsite emergency response personnel in understanding the facilities and terminology used at SONGS, as well as the Emergency Action Levels.

MESA AREA -

SCE SONGS property, to include facilities and parking lots, located on the east side of Interstate 5 freeway, surrounded on the north, east and south by the Marine Corps Base, Camp Pendleton.

MONITOR -

Observe and evaluate at a frequency sufficient to remain apprised of the value, trend and rate of change of the specified parameter.

NORMAL PLANT OPERATIONS -

Activities at the plant site associated with routine testing, maintenance or equipment operations, in accordance with normal operating or administrative procedures. Entry into abnormal or emergency operating instructions, or deviation from normal security or radiological controls posture, is a departure from normal plant operations.

NOTIFICATION OF UNUSUAL EVENT -

Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs.

NOTIFY -

To give notice of or report the occurrence of; to make known to; to inform specified personnel; to advise; to communicate; to contact; to relay.

OFFSITE -

The area outside the leased land boundary of SONGS.

ONSITE -

The area within the leased land boundary of SONGS.

OPEN -

To position a valve or damper so as to allow flow of the process fluid. To break an electrical connection which removes a power supply from an electrical device. To make available for entry or passage by turning back, removing or clearing away.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

OPERABLE -

Able to perform its intended function.

OPERATIONS SUPPORT CENTER -

A site facility located in the Protected Area where specified emergency response personnel assemble during an emergency.

OWNER CONTROLLED AREA -

SONGS facilities and parking lots located on the west side of the Interstate 5 freeway, extending westward from Old Highway 101 to the high-tide line, bordered on the north by the northernmost point of Parking Lot 4 and bordered on the south by the southernmost point of the South Yard Facility.

PERFORM -

To carry out an action; to accomplish; to affect; to reach an objective.

PLUME EXPOSURE PATHWAY -

The area surrounding the site in which the principal sources of exposure from a radioactive plume are (a) external radiation exposure to gamma radiation from the plume and from deposited material and (b) inhalation exposure from the passing radioactive plume.

PROCESS RADIATION MONITORING SYSTEM - UNITS 2 and 3

An instrumentation system designed to detect and alarm abnormal radiation levels in process and effluent streams.

PRIMARY SYSTEM -

The pipes, valves and other equipment which connect directly to the Reactor Vessel or Reactor Coolant System such that a reduction in Reactor Vessel pressure will effect a lowering in the steam or water being discharged through an unisolated break in the system.

PROJECTILE -

An object directed toward SONGS that could cause concern for its continued operability, reliability, or personnel safety.

PROTECTED AREA -

The Units 2/3 (plant) PROTECTED AREA is the property surrounding Units 2 and 3 that is encompassed by physical barriers to which access is controlled. This area is within the security isolation zone and is depicted on Drawing 21090, Vehicle Barrier System Plot Plan. The Independent Spent Fuel Storage Installation is designated as a separate PROTECTED AREA.

PROTECTIVE ACTION RECOMMENDATIONS -

Actions recommended by SCE for consideration by offsite authorities for the purpose of preventing or minimizing radiological exposure to the public based on plant conditions or dose projections during an emergency.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

RADIOLOGICAL RELEASE –

Has occurred when there is a measureable increase in radioactive material related to the event that is:

- In a pathway to the environment

OR

- In the environment as measured by field monitoring

RADIOLOGICAL RELEASE HAS STOPPED -

When:

- There is no longer a pathway to the environment

AND

- There are no longer indications of an active radiological release

REDUCED INVENTORY CONDITION -

The condition existing whenever RCS water level is lower than 3 feet below the Reactor Vessel Flange with fuel in the core.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

REMOVE -

To change the location or position of.

REPORT -

To describe as being in a specific state.

REQUIRE -

To demand as necessary or essential.

RESTORE -

Take the appropriate action required to return the value of an identified parameter to within applicable limits.

RISE -

Describes an increase in a parameter as the result of an operator or automatic action. To become progressively greater in size, amount, number or intensity.

RUPTURED -

In a Steam Generator, the existence of primary-to-secondary leakage of a magnitude sufficient to require or cause a reactor trip and safety injection.

SABOTAGE -

Deliberate damage, misalignment or mis-operation of plant equipment with the intent to render the equipment inoperable. Equipment found tampered with or damaged due to malicious mischief may not meet the definition of sabotage until this determination is made by security supervision.

SAFE PLANT SHUTDOWN -

Hot or Cold Shutdown (reactor subcritical with regulatory required shutdown margin) with control of coolant inventory and decay heat removal.

SAFE SHUTDOWN SYSTEM -

Systems required for safe shutdown are defined as those essential for pressure and reactivity control, coolant inventory makeup and removal of residual heat once the reactor has been brought to a subcritical condition.

SAMPLE -

To perform an analysis on a specified media to determine its properties.

SECURITY CONDITION -

Any Security Event as listed in the approved security contingency plan that constitutes a threat/compromise to site security, threat/risk to site personnel, or a potential degradation to the level of safety of the plant. A SECURITY CONDITION does not involve a HOSTILE ACTION.

SHIFT MANAGER (UNITS 2/3) -

The individual in charge of plant operations during each shift and who acts as the Emergency Coordinator following declaration of an emergency, until relieved.

SHIFT TECHNICAL ADVISOR (UNITS 2/3) -

An individual responsible for advising the Shift Manager on thermal hydraulics, reactor engineering and plant analysis with regard to the safe operation of the unit.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

SHUTDOWN SAFETY FUNCTIONS -

During shutdown, these functions are reactivity control (core and SFP), electric power availability, inventory control (core and SFP), RCS pressure control, decay heat removal (core and SFP), Containment isolation and Containment temperature and pressure control.

SHUT DOWN -

To perform operations necessary to cause equipment to cease or suspend operation; to stop (e.g., "shut down unnecessary equipment").

SIGNIFICANT TRANSIENT -

An unplanned event involving any of the following:

- Greater than 25% thermal reactor power change in one hour
- Reactor trip
- Safety injection actuation

SITE AREA EMERGENCY -

Events are in progress or have occurred which involve an actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.

SITE BOUNDARY -

The plant property line around the site, which is comprised of 83.63 acres on the west side of the Interstate 5 freeway. At the northeast and southeast site boundaries, the exclusion area is tangent to, but does not exceed, the site boundary.

STATION EMERGENCY DIRECTOR -

The individual responsible for direction of onsite accident mitigation efforts during an emergency; acts as Emergency Coordinator until relieved by Corporate Emergency Director in EOF.

STRIKE ACTION -

A work stoppage within the PROTECTED AREA by a body of workers to enforce compliance with demands made on site management. The STRIKE ACTION must threaten to interrupt NORMAL PLANT OPERATIONS.

SUSTAINED -

Prolonged. Not intermittent or of a transitory nature.

TECHNICAL SUPPORT CENTER -

A facility in which accident conditions are assessed, emergency response actions are directed and dose projections are made. Prior to activation of the EOF, offsite communications are made from this facility.

TOTAL EFFECTIVE DOSE EQUIVALENT -

The sum of the Deep Dose Equivalent and the Committed Effective Dose Equivalent.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

TRIP -

To de-energize a pump or fan motor; to position a breaker so as to interrupt or prevent the flow of current in the associated circuit; to manually activate a semi-automatic feature.

UNAVAILABLE -

Not able to perform its intended function.

UNCONTROLLED -

An evolution lacking control, but that is not the result of operation action.

UNISOLABLE -

A breach or leak that cannot be promptly isolated.

UNPLANNED -

A parameter change or an event that is not the result of an intended evolution and requires corrective or mitigative actions.

UNTIL -

Indicates that the associated prescribed action is to proceed only so long as the identified condition does not exist.

VALID -

An indication, report or condition is considered to be valid when it is verified by (1) an instrument channel check, (2) indications on related or redundant indicators, or (3) by direct observation by plant personnel, such that doubt related to the indicator's operability, the condition's existence or the report's accuracy is removed. Implicit in this definition is the need for timely assessment.

VENT -

To open an effluent (exhaust) flowpath from an enclosed volume; to reduce pressure in an enclosed volume.

VERIFY -

To confirm a condition and take action to establish that condition if required (e.g., "verify reactor trip").

VISIBLE DAMAGE -

Damage to equipment or structure that is readily observable without measurements, testing or analysis. Damage is sufficient to cause concern regarding the continued operability or reliability of the affected safety structure, system or component. Examples of damage include: deformation due to heat or impact, denting, penetration, rupture, cracking and paint blistering. Surface blemishes (e.g., paint chipping, scratches) should not be included.

VITAL AREA -

Any plant which contains vital equipment. Any area, normally within the Units 2/3 PROTECTED AREA, which contains equipment, systems, components or material, the failure, destruction or release of which could directly or indirectly endanger the public health and safety by exposure to radiation. SONGS Vital Areas are listed in SO123-XV-13, 1410 Access Authorization Process for Protected and Vital Area Entry.

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

1.2 ACRONYMS

AC	Alternating Current
AEOF	Alternate Emergency Operations Facility
ALARA	As Low as Reasonably Achievable
ARMS	Area Radiation Monitoring System
ASME	American Society of Mechanical Engineers
ATWS	Anticipated Transient Without Scram
BPS	Blowdown Processing System
BWR	Boiling Water Reactor
Cal OES	California Office of Emergency Services
CAS	Central Alarm Station
CCW	Component Cooling Water
CDE	Committed Dose Equivalent
C-E	Combustion Engineering
CEA	Control Element Assembly
CED	Corporate Emergency Director
CEDE	Committed Effective Dose Equivalent
CET	Core Exit Thermocouple
CFMS	Critical Functions Monitoring System
CFR	Code of Federal Regulations
CHP	California Highway Patrol
CPM	Counts Per Minute
CR	Control Room
CSS	Containment Spray System
DACS	Dose Assessment Computer System
DAS	Data Acquisition System
DBD	Design Basis Document
DC	Direct Current
DDE	Deep Dose Equivalent
DEDLS	Double-ended Discharge Leg Slot
DEI	Dose Equivalent Iodine
DLMS	Draindown Level Monitoring System
DNBR	Departure from Nucleate Boiling Ratio
DPM	Decades Per Minute
DOE	Department of Energy
DSS	Diverse Scram System

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

EAB	Exclusion Area Boundary
EAL	Emergency Action Level
EC	Emergency Coordinator
ECCS	Emergency Core Cooling System
EGL	Emergency Group Leader
ENS	Emergency Notification System
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EOI	Emergency Operating Instruction
EP	Emergency Planning
EPA	Environmental Protection Agency
EPC	Emergency Planning Coordinator
EPIP	Emergency Plan Implementing Procedure
EPRI	Electric Power Research Institute
ERF	Emergency Response Facility
ERO	Emergency Response Organization
ERP	Emergency Response Personnel
ERTD	Emergency Response Telephone Directory
ESF	Engineered Safety Feature
EPZ	Emergency Planning Zone
ETE	Evacuation Time Estimate
FAA	Federal Aviation Administration
FBI	Federal Bureau of Investigation
FEMA	Federal Emergency Management Agency
FHB	Fuel Handling Building
FRERP	Federal Radiological Emergency Response Plan
FSAR	Final Safety Analysis Report
GE	General Emergency
GPM	Gallons Per Minute
HJTC	Heated Junction Thermocouple
HPN	Health Physics Network
HPSI	High Pressure Safety Injection
HVAC	Heating, Ventilation, and Air Conditioning
IC	Initiating Condition
IDLH	Immediately Dangerous to Life and Health
IHPS	Integrated Health Physics System
INPO	Institute of Nuclear Power Operations
IOC	Irvine Operations Center
ISFSI	Independent Spent Fuel Storage Installation
JIC	Joint Information Center

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

JOC	Joint Operations Center
kV	Kilovolt
LCO	Limiting Condition for Operation
LCS*	Licensee Controlled Specifications [CTS: This is effective until the conversion to ITS on ITS effective date. See TRM.]
LOCA	Loss of Coolant Accident
LPD	Local Power Density
LR	Low Range
LTRM	Long Term Recovery Manager
MCC	Motor Control Center
MLLW	Mean Lower Low Water
MOEE	Manual of Emergency Events
MPH	Miles Per Hour
MSIV	Main Steam Isolation Valve
MSLB	Main Steam Line Break
mrem	Millirem
NEI	Nuclear Energy Institute
NESP	National Environmental Studies Project
NOAA	National Oceanic and Atmospheric Administration
NPP	Nuclear Power Plant
NORAD	North American Aerospace Defense Command
NOUE	Notification of Unusual Event
NR	Narrow Range
NRC	Nuclear Regulatory Commission
NSSS	Nuclear Steam Supply System
NUMARC	Nuclear Management and Resources Council
NUREG	U.S. Nuclear Regulatory Commission technical report
OBE	Operating Basis Earthquake
OCA	Owner Controlled Area
ODAC	Offsite Dose Assessment Center
ODCM	Offsite Dose Calculation Manual
ODP	Office of Disaster Preparedness (San Diego, CA)
OEP	Offsite Emergency Planning
ORO	Offsite Response Organization
OSC	Operations Support Center
PA	Protected Area
PAG	Protective Action Guide(line)
PAPA	Protected Area Personnel Accountability
PAR	Protective Action Recommendation

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

PASS	Post Accident Sampling System
PAZ	Protective Action Zone
PCS	Plant Computer System
PERT	Plant Emergency Response Telephone
PIC	Pressurized Ion Chamber
PIO	Public Information Officer
POC	Point of Contact
PPAS	Perimeter Public Address System
PRA	Probabilistic Risk Assessment
PSIA	Pounds Per Square Inch Absolute
PSIG	Pounds Per Square Inch Gauge
PSP	Physical Security Plan
PTS	Pressurized Thermal Shock
PWR	Pressurized Water Reactor
PZR	Pressurizer
QSPDS	Qualified Safety Parameter Display System
R	Roentgen
RCDT	Reactor Coolant Drain Tank
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RDU	Remote Display Unit
REP	Representative
RNO	Response Not Obtained
RP	Radiation Protection
RPS	Reactor Protection System
RVLMS	Reactor Vessel Level Monitoring System
RWLI	Refueling Water Level Indicator
SAE	Site Area Emergency
SBO	Station Blackout
SC	Shift Communicator
SCBA	Self-Contained Breathing Apparatus
SCE	Southern California Edison
SCP	Safeguards Contingency Plan
SDG&E	San Diego Gas and Electric
SE	Security Event
SED	Station Emergency Director
SFP	Spent Fuel Pool
S/G	Steam Generator
SGTR	Steam Generator Tube Rupture

SONGS EMERGENCY PLAN

1.0 DEFINITIONS AND ACRONYMS (Continued)

SI	Safety Injection
SIAS	Safety Injection Actuation Signal
SOFD	San Onofre Fire Department
SONGS	San Onofre Nuclear Generating Station
SRM	Source Range Monitor
STA	Shift Technical Advisor
SUR	Startup Rate
SYF	South Yard Facility
TEDE	Total Effective Dose Equivalent
TMI	Three Mile Island
TRM	Technical Requirements Manual [ITS; After ITS effective date this term will replace LCS]
TS	Technical Specifications
TSC	Technical Support Center
UFSAR	Updated Final Safety Analysis Report
UPS	Uninterruptible Power Supply
V	Volt
VBPS	Vital Bus Power Supply
VCT	Volume Control Tank
VDC	Volts, Direct Current
WR	Wide Range
1E	Safety Related Power Supply

SECTION 2

SCOPE AND APPLICABILITY

SONGS EMERGENCY PLAN

2.0 SCOPE AND APPLICABILITY

This Plan applies to the San Onofre Nuclear Generating Station (SONGS) and the Independent Spent Fuel Storage Installation (ISFSI) located near San Clemente, California. SONGS is situated adjacent to a public beach on the Pacific Ocean and the Camp Pendleton Marine Corps Base, about 2-1/2 miles southeast of the City of San Clemente in San Diego County. Unit 1 has been decommissioned. Units 2 and 3 are both Combustion Engineering 1100 MWe pressurized water reactors.

SONGS is owned by Southern California Edison (SCE), San Diego Gas and Electric (SDG&E) and the city of Anaheim and Riverside, California. SCE is authorized to act as agent for the co-owners and has exclusive responsibility for the operation of the facility. Figure 2-1 shows the location of SONGS and the adjacent land area to a radius of 35 miles.

This plan establishes Southern California Edison's response to radiological emergencies at SONGS. Detailed instructions for SCE emergency response personnel are contained in Emergency Plan Implementing Procedures (EPIPs). A Nuclear Order describes the coordination with the offsite agencies and the Joint Information Center. A list of EPIPs and the Offsite Emergency Planning Order is given in Appendix E. Drills and training activity critique requirements are specified in SO123-VIII-0.200, Emergency Plan Drills and Exercises and SO123-XXI-1.11.3, Emergency Plan Training Program Description.

The Plan addresses the following areas:

1. Description of the Emergency Response Organization and actions within the plant to control and limit the consequences of an accident. This includes the specific onshift staffing as found in Section 5.0 [B.5.b requirement: Reference NN 201507385, ANRC Safety Evaluation Report, dated July 26, 2007"].
2. Actions controlling the plant site and recommending initial offsite activities in the event of an emergency. This includes notification of and coordination with required offsite support agencies.
3. Responsibilities of the Emergency Planning Division.
4. Identification and assessment of the consequences of accidents that may affect SONGS personnel and the public.
5. Description of the Emergency Action Levels which require declaration of emergencies, which are based on NEI 99-01, Revision 5.
6. Description of protective action recommendations and the responsibility of SCE to make these recommendations to offsite authorities.
7. Description of plans for recovery from emergencies.
8. Arrangements for medical support and firefighting support.
9. Maintaining emergency preparedness.

SONGS EMERGENCY PLAN

2.0 SCOPE AND APPLICABILITY (Continued)

Interrelationships of this Plan with other SONGS programs and procedures include the following:

- The SONGS fire protection plan and procedures which establish the site fire protection program as found in Section 8.0 [B.5.b requirement: Reference NN 201507385, ANRC Safety Evaluation Report, dated July 26, 2007].
- The SONGS Physical Security Plan, Safeguards Contingency Plan, and implementing procedures establish the site security program.
- Operating instructions which provide guidance to Operations personnel during abnormal and emergency conditions.
- The radiation protection program which provides criteria, guidelines, and instructions for controlling the radiation exposure of SONGS personnel.

Interrelationships of this Plan with the emergency plans and agreements of offsite response organizations and jurisdictions include the following:

- The Interjurisdictional Planning Agreement for SONGS Response Operations establishes and coordinates the mutual assistance authority and the operating procedures to be used in implementing each responding offsite jurisdiction's assigned responsibilities in the protection of the general public as found in Appendix A [B.5.b requirement: Reference NN 201507385, ANRC Safety Evaluation Report, dated July 26, 2007].
- State of California, "Nuclear Power Plant Emergency Response Plan".
- Orange County, "Incident Response Plan for San Onofre Nuclear Generating Stations".
- San Diego County, "Nuclear Power Plant Emergency Response Plan".
- City of San Clemente, "Nuclear Power Plant Radiological Emergency Response Plan, Annex to the City's Emergency Operation Plan".
- City of San Juan Capistrano, "Nuclear Power Plant Emergency Response Plan".
- City of Dana Point, "Multi Hazard Emergency Plan".
- United States Marine Corps, Marine Corps Base, Camp Pendleton, "Camp Pendleton Emergency Management Plan".
- California Department of Parks and Recreation, Orange Coast District Office, "Nuclear Power Plant Emergency Response Plan".
- California Highway Patrol, "Border Division Nuclear Response Plan".
- Capistrano Unified School District, "CUSD Disaster Teams for Schools".
- "Interjurisdiction Planning Agreement for SONGS Response Operations".

The coordination and liaison with offsite emergency organizations include an understanding that individual organizations will perform their respective emergency functions in response to requests from SONGS as given in the Emergency Response Plan for each jurisdiction.

MAP OF SAN ONOFRE AND VICINITY

FIGURE 2-1

To obtain a copy of the Map of
San Onofre and Vicinity, please
Contact:

Emergency Planning
San Onofre Nuclear Generating Station
P.O. Box 128
San Clemente, CA 92674-0128

SECTION 3

SUMMARY OF EMERGENCY PLAN

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN

This Plan describes the emergency preparedness program implemented by SCE, which, when coupled with Federal, State and local plans, ensures the capability and the readiness for coping with and mitigating both onsite and offsite consequences of emergencies. The Plan describes the spectrum of emergencies ranging from minor events requiring only minimum response by SCE to emergencies requiring protective actions by offsite jurisdictions. Guidelines for immediate response, assessment activities, emergency actions, and emergency support functions are included in this Plan. Emergency Plan Implementing Procedures (EPIPs) provide detailed instructions for individuals who have specific emergency responsibilities and/or functions. The Manual of Emergency Events is a separate document provided to assist offsite emergency response personnel in understanding the SONGS facilities, the terminology used, the risks associated with exposure to radiation, and the kinds and magnitude of accidents which could occur.

A graded scale of response for distinct classifications of emergency conditions, actions appropriate for those classifications, and criteria for escalation to a more severe classification (or de-escalation if appropriate) is provided. This system of classification is compatible with the system used by Federal, State and local governmental agencies. For conditions which involve offsite radiological considerations, this Plan and those of the State and local agencies relate action criteria to the magnitude of a release (or potential release) of radioactive material and the resultant projected offsite dose to the general populace. The State and local agency plans provide guidelines for action, based on assessment of the release, dose-estimate information, and protective action recommendations provided by the SONGS Emergency Coordinator.

The organization for control of emergencies is initially staffed by on-shift Station personnel and contains provisions for augmentation by additional Site personnel, SCE Corporate personnel, SCE contractor personnel, and offsite emergency response organizations.

SONGS personnel and SCE support personnel are responsible for onsite emergency actions and limited offsite activities, such as initial offsite radiological monitoring.

The total emergency program includes support by local, State, and Federal emergency organizations. Detailed provisions are made for implementing protective actions against direct radiation and inhalation of radioactive material for members of the public within the plume exposure EPZ. Additional protective actions may be taken beyond that distance to prevent ingestion pathway exposures.

Specific arrangements and agreements are made with local offsite organizations to provide:

- Backup emergency medical transportation
- Hospital medical treatment
- Backup fire and rescue
- Law enforcement and traffic control
- Radiological monitoring

Local, State, and Federal agencies having lead responsibilities specifically related to this Plan are:

- Marine Corps Base, Camp Pendleton - the organization responsible for implementing emergency response actions at Camp Pendleton upon direct notification from SONGS.
- Orange County Sheriff-Coroner Emergency Management - the agency responsible for coordinating local emergency response within the unincorporated areas of Orange County.

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN (Continued)

- San Diego County Office of Emergency Services - the agency responsible for coordinating local emergency response within San Diego County.
- City of Dana Point - the agency responsible for implementing emergency response action within the city limits of Dana Point.
- City of San Clemente - the agency responsible for implementing emergency response actions within the city limits of San Clemente.
- City of San Juan Capistrano - the agency responsible for implementing emergency response actions within the city limits of San Juan Capistrano.
- California State Parks- the agency responsible for implementing emergency response actions for State Beaches, Parks and Campgrounds within the EPZ .
- California Highway Patrol, the agency responsible for implementing emergency response actions for traffic control.
- Capistrano Unified School District (CUSD) - the agency responsible for implementing emergency response actions for the school district.
- Federal Bureau of Investigation (FBI) - the agency responsible for overall coordination of the law enforcement response to a security related emergency.
- Cal OES - the State-level agency responsible for ensuring availability of emergency services, personnel, and equipment.
- U.S. Nuclear Regulatory Commission (NRC) - the Federal agency responsible for coordinating the onsite technical response of Federal agencies, monitoring the licensee's efforts to mitigate the problem or limit the effects, and advising the licensee when deemed necessary.
- Federal Emergency Management Agency (FEMA) - the Federal agency responsible for coordinating all offsite aspects of the Federal response.
- U.S. Department of Energy (DOE) - the Federal agency responsible for providing assistance in emergency response actions essential for the control of immediate hazards to public health and safety.

A matrix indicating primary and secondary responsibilities of the Station, Corporate, and local, state, and federal agencies in the event of an emergency is provided in Table 3-1.

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN (Continued)

3.1 EMERGENCY CLASSES

Emergencies are grouped into four emergency classes. The four classes, each identified by specific Emergency Action Levels, assure a proper level of response to a broad spectrum of possible emergencies.

3.1.1 NOTIFICATION OF UNUSUAL EVENT

Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.

3.1.2 ALERT

Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.

3.1.3 SITE AREA EMERGENCY

Events are in progress or have occurred which involve an actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.

3.1.4 GENERAL EMERGENCY

Events are in progress or have occurred which involve actual or IMMEDIATE substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area.

All onsite and offsite emergency groups, organizations and agencies are activated at the ALERT level. These organizations will respond with emergency actions according to plans specific to their jurisdictions.

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN (Continued)

3.2 ONSITE EMERGENCY COORDINATION

Overall direction and coordination of onsite emergency responses lie with the Emergency Coordinator. The position of Emergency Coordinator commences with the declaration of an emergency event and is filled by the Shift Manager until the arrival of the Station Emergency Director, upon activation of the Technical Support Center and ultimately by the Corporate Emergency Director, upon activation of the Emergency Operations Facility (EOF).

3.2.1 ACTIVATION

The first Station individual who becomes aware of an emergency condition ensures that details are provided to the Control Room. This recognition and the activation of emergency response may also be from Control Room instrumentation. Appropriate initial action is taken in accordance with Abnormal Operating Instructions/ Emergency Operating Instructions and/or other Station instructions or procedures (such as shutting down or operating certain plant equipment or systems).

Upon recognition of emergency conditions, the Shift Manager classifies the event, activating the Emergency Plan. The Shift Manager then declares the event and assumes the role of Emergency Coordinator until relieved by the Station Emergency Director, or designated alternate, upon activation of the Technical Support Center. The Station Emergency Director or Corporate Emergency Director may assume the role of Emergency Coordinator while in any emergency class. Ultimately, the role of Emergency Coordinator is assumed by the Corporate Emergency Director, or designated alternate, upon activation of the EOF.

3.2.2 NOTIFICATION

The Emergency Coordinator ensures the activation and alerting of appropriate onsite and offsite emergency response personnel and organizations. Offsite notification methods for various emergency conditions are discussed in Section 6, and are summarized as follows:

- Requests for assistance, such as firefighting and medical transportation, from local offsite support agencies may be made by telephone directly to the individual agencies.
- Notification of offsite authorities shall commence within 15 minutes after the declaration of a Notification of Unusual Event, Alert, Site Area Emergency or General Emergency. Notification to offsite authorities of a Notification of Unusual Event is primarily to ensure that those agencies are cognizant of the details of events which may arouse public concern. The agencies notified are listed in Section 6.1.5. Message authenticity is assured by using the Yellow Phone System because it is a dedicated system. Other dedicated telephone circuits are provided for notification of the Cal OES and the Nuclear Regulatory Commission. Backup notification methods are provided by utilizing the Telephone Company System. Notification of the NRC of an emergency declaration will be made in accordance with 10CFR50.72 which requires such notification to commence immediately after notification to the state and local agencies but not later than one hour after declaration.
- Follow-up notifications will be made to offsite jurisdictions as changes in the plant conditions dictate.

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN (Continued)

3.2.3 ASSESSMENT ACTIONS

Initial assessment of the nature and severity of an emergency condition will be performed by personnel at the scene. However, the overall responsibility for assessment of an emergency condition and declaration of a specific emergency event classification lies with the Emergency Coordinator. Assessment will be based on all pertinent information including readings of radiological and non-radiological Control Room instrumentation, inspection of the situation, appropriate radiological surveys, recommendations from the Shift Manager/Assistant Shift Manager Units 2/3, and personal judgment. Assessment actions will continue for the duration of the emergency.

3.2.4 CORRECTIVE ACTIONS

All appropriate measures will be taken to mitigate the effects of an emergency and return conditions to normal operating status. Necessary elements of the Emergency Response Organization will be activated as appropriate for the situation. Teams will be activated and dispatched to care for injured persons, provide damage control, fight fires, perform rescue missions, perform radiological monitoring, decontaminate personnel or areas, ensure Station security, or direct site evacuation. The Technical Support Center, Operations Support Center, Emergency Operations Facility, and Joint Information Center (JIC) will be activated to augment resources following declaration of an Alert or more serious emergency. The Technical Support Center, the Operations Support Center and the Emergency Operations Facility may be activated if required by the Emergency Coordinator at the Notification of Unusual Event level. In a security emergency or any other event where conditions may prevent the ability to activate normal emergency response facilities, emergency response personnel may respond to staging locations or staff an alternate facility.

3.2.5 PROTECTIVE ACTIONS

Risk to personnel will be minimized. Personnel will be evacuated from any area where high levels of radiation or other hazardous conditions exist provided the evacuation does not pose a greater hazard. Under conditions where it is hazardous for personnel to evacuate, direction will be provided for personnel to either take cover or shelter in appropriate locations.

Personnel performing emergency functions in radiation areas will utilize appropriate radiation protection equipment and procedures, and exposure will be limited in accordance with the requirements of 10CFR20, the criteria set forth in the International Commission on Radiation Protection Publication No. 28, "Principles and General Procedures for Handling Emergency and Accidental Exposures of Workers" and EPA-400/R-92-001 "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents." Onsite facilities are available for radiological monitoring, personnel decontamination, and first aid. Firefighters and a licensed ambulance are onsite 24 hours per day, 7 days a week. The onsite Firefighters and the ambulance are certified by the State of California. In addition, letters of agreement (enclosed in Appendix A) have been made with local ambulance services (as backup means), physicians and hospitals for transportation and treatment of contaminated injured personnel.

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN (Continued)

3.2.6 RECOVERY ACTIONS

This Plan contains provisions for logical and orderly supplementation of onsite emergency staffing as conditions change from controlling the emergency and minimizing its consequences to those involved with recovery efforts. In the event of an emergency affecting plant systems, normal operations will be resumed only after damaged systems have been repaired, all required investigation(s) have been completed, and operating approvals have been obtained.

3.3 OFFSITE EMERGENCY COORDINATION

Offsite emergency response agencies will activate emergency operations centers and send liaison representatives to the Emergency Operations Facility when an Emergency Action Level of Alert or higher is declared. The EOF is an SCE-controlled and operated onsite emergency response facility. The EOF provides the required space and equipment to allow management of SCE's overall emergency response efforts, coordination of radiological and environmental assessment, determination of recommended public protective actions, and coordination of emergency response activities with federal, state and local agencies through their liaison representatives.

Offsite response agency plans and procedures provide for:

- Rapid notification to the general public of the existence of a Site Area Emergency or General Emergency and periodic updates concerning conditions
- Monitoring of the environment to determine actual or projected population exposures
- Evacuation and/or sheltering of the population-at-risk
- Aid to affected persons
- Liaison with Cal OES and other local agencies
- Coordination of press information with SCE
- Re-entry of evacuated areas

Responsibilities and emergency response capabilities of the various offsite agencies are addressed in their respective plans.

3.3.1 OFFSITE PROTECTIVE ACTIONS

Upon declaration of an emergency, the Emergency Coordinator will direct the Shift Communicator or designee to contact the offsite agencies listed in Section 6.1.5 and Cal OES. The Emergency Coordinator will also direct a licensed operator or designee to notify the Nuclear Regulatory Commission. The SCE Generation Operation Center staff will then notify the organizations on a special callout list. Provisions have been made to alert and evacuate persons on the beach directly in front of the Station immediately. This is performed upon request of State Parks or if an event related release of radiation occurs at the Alert level and automatically following the declaration of a Site Area or General Emergency.

The Emergency Coordinator will provide recommendations to offsite agencies concerning the advisability or necessity of protective actions for persons in affected areas. All offsite agencies have prepared plans and procedures within their jurisdictions to ensure that proper actions can be taken in a timely and orderly fashion.

SONGS EMERGENCY PLAN

3.0 SUMMARY OF EMERGENCY PLAN (Continued)

3.4 EMERGENCY FACILITIES

Appropriate emergency facilities and equipment are provided to facilitate implementation of this Plan. These facilities and equipment are described in Section 7, and include assessment capability, communications capability, and provision for a Technical Support Center, Operations Support Center, Emergency Operations Facility, Alternate Emergency Operations Facility, and Joint Information Center.

SONGS EMERGENCY PLAN

RESPONSIBILITY MATRIX

TABLE 3-1

STATION	P = PRIMARY RESPONSIBILITY S = SECONDARY RESPONSIBILITY 1 = PRIMARY UNIT EOF ACTIVATED, THEN SECONDARY																											
	RECOGNITION OF EMERGENCY	INITIAL ASSESSMENT	CLASSIFY EMERGENCY	NOTIFY OFFSITE AUTHORITIES	NOTIFY STATION PERSONNEL	NOTIFY CORPORATE SUPPORT	ACTIVATE ONSITE EMERGENCY RESPONSE ORGANIZATION	NOTIFY AGENCY PERSONNEL	ACTIVATE OFFSITE EMERGENCY ORGANIZATION	NOTIFY/WARN PUBLIC	PROVIDE PUBLIC INSTRUCTIONS	CONTINUE ASSESSMENT	DOSE PROJECTION	INITIAL OFFSITE MONITORING	ONSITE MONITORING	CONTINUED OFFSITE MONITORING	ONSITE CORRECTIVE ACTIONS	ONSITE PROTECTIVE ACTIONS	RECOMMENDED OFFSITE PROTECTIVE ACTIONS	IMPLEMENT OFFSITE PROTECTIVE ACTIONS	CONTINUED DISSEMINATION OF DATA TO AGENCIES	CONTINUED DISSEMINATION OF DATA WITHIN AGENCIES	COORDINATE FEDERAL OFFSITE RESPONSE	RELEASE ONSITE DATA TO MEDIA	RELEASE OFFSITE DATA TO MEDIA	OFFSITE SECURITY AND TRAFFIC CONTROL	CONTROL OFFSITE REENTRY	
CORPORATE (EOF)	P	P	S	P	S	P	S		S	S		P	S	S	S	S	S	S	P	S	P	S	S	P	S		S	
CAL OES								P	S	S	S	S							S	S	S	S			S			
ORANGE COUNTY								P	P	P	P	S	P			P			P	P	P	P			P	P	P	
DANA POINT								P	P	P	P	S							S	P	P	P			P	P	P	
SAN DIEGO COUNTY								P	P	P	P	S				S			S	P	P	P			P	P	P	
SAN CLEMENTE								P	P	P	P	S				S			S	P	P	P			P	P	P	
CAMP PENDLETON								P	P	P	P	S				S			S	P	P	P			P	P	P	
NRC								P	P			S							S		S	P	P	S	S			
FEMA								P	P										S	S		P	S		S			
CHP								P	P	S	S									S		P			S	P	P	
SAN JUAN CAPISTRANO								P	P	P	P	S							S	P	P	P			P	P	P	
STATE PARKS								P	P	P	P	S							S	P		P			P	P	P	
CUSD								P	P	P	P									P		P				S	P	

SECTION 4

EMERGENCY CONDITIONS

SONGS EMERGENCY PLAN

4.0 EMERGENCY CONDITIONS

4.1 CLASSIFICATION OF EMERGENCIES

Specific conditions requiring declaration of an emergency have been identified to ensure accurate and timely response by emergency response organizations. These Emergency Action Levels are based on postulated accidents, equipment malfunctions and other conditions of potential degradation of plant safety. Emergency Action Levels (EALs) are listed in EPIPs, and include objective criteria based on plant conditions. The EALs are also listed in the Manual of Emergency Events which has been provided to the offsite jurisdictions.

Emergency Action Levels are grouped into four emergency classes: Notification Of Unusual Event, Alert, Site Area Emergency, and General Emergency. The emergency class indicates the severity of the emergency, and determines the scope of response by station and offsite emergency response organizations.

Specific EALs which constitute the four emergency classes are grouped into six event categories, which come from NEI 99-01, Revision 5. Whereas emergency classes indicate the severity of an emergency, event categories indicate the type or nature of the emergency. The event categories are:

- A. Abnormal Rad Levels/Radiological Effluent
- C. Cold Shutdown/Refueling System Malfunction
- E. Events Related to Independent Spent Fuel Storage Installations
- F. Fission Product Barrier Degradation
- H. Hazards and Other Conditions Affecting Plant Safety
- S. System Malfunction

An event which meets the criteria of an EAL is identified and referenced by an event code which includes the event category, the emergency class, and the EAL number, as listed in EPIPs. This event code is used to indicate to station and offsite personnel the type, severity and specific plant conditions of a declared emergency.

Classification of Units 2/3 emergencies is also dependent upon plant status (mode). Plant conditions which constitute an emergency while operating at full power may be of less consequence when the plant is shutdown. Thus, certain events which are classified as emergencies in some operating modes may be classified at a different level of emergency, or may not be classified as emergencies at all, in other operating modes. The applicability of each EAL to specific Units 2/3 modes is identified in Sections 4.1.1 through 4.1.4. These modes are defined in the Technical Specifications and are summarized as follows:

- Mode 1: Power Operation
- Mode 2: Startup
- Mode 3: Hot Standby
- Mode 4: Hot Shutdown
- Mode 5: Cold Shutdown
- Mode 6: Refueling

SONGS EMERGENCY PLAN

4.0 EMERGENCY CONDITIONS (continued)

If radiation monitor levels reach established levels in the Emergency Plan Implementing Procedures (EPIPs), an assessment of the offsite radiological dose will be performed using actual meteorology as an input. The classification of an emergency based on a radiological release will depend primarily on this dose assessment. If the dose assessment is not complete in a timely manner, the event must be declared on the basis of the existence of valid radiation monitor readings that cannot be readily discounted. EPIPs will establish radiation monitor values that trigger the declaration of certain emergency events. The radiation monitor values are established assuming annual average meteorology values. An assessment of the offsite dose consequences will continue even if the event is declared based on radiation monitor readings.

Unit 1 is decommissioned. Only one EAL is applicable to the ISFSI (HU1.1) and is discussed in SO123-VIII-1, Recognition and Classification of Emergencies and in the SONGS EPSD-1, Emergency Action Level Technical Bases. There are no credible accidents applicable to Unit 1, since Unit 1 has been decommissioned.

Events that are not unit-specific such as security-related events will be declared as site-wide events. In addition, site-wide events are not dependent on Units 2/3 operating modes.

The initial recognition and classification of all emergencies will be made by the Shift Manager in the Units 2/3 Control Room acting as the Emergency Coordinator in accordance with SO123-VIII-1, Recognition and Classification of Emergencies, and subsequently by the Station Emergency Director/Emergency Coordinator in the TSC, also in accordance with SO123-VIII-1, Recognition and Classification of Emergencies. When the EOF is activated, the responsibility for event classification will be retained by the Station Emergency Director in the TSC, who will classify the emergency based on plant conditions, announce the event to all site emergency response facilities, and forward the information to the Corporate Emergency Director/Emergency Coordinator at the EOF.

Sections 4.1.1 through 4.1.4 describe the scope of the emergency classes, identify the EALs which constitute each class, and for Units 2/3, specifies applicable modes. Specific criteria for each Emergency Action Level are listed in EPIPs.

4.1.1 NOTIFICATION OF UNUSUAL EVENT

The Notification of Unusual Event classification is characterized by events that are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection has been initiated. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.

The primary purpose for this classification is to ensure that the plant operating staff takes appropriate actions such as assessment and verification and comes to a state of readiness to respond, should the condition become more significant. The Notification of Unusual Event classification also requires that state and local offsite authorities are informed of abnormal conditions at the San Onofre Nuclear Generating Station. With the exception of possible assistance by local support groups such as fire departments or medical facilities, no response is necessary by offsite organizations for events within this classification. Upon declaration of a Notification of Unusual Event, notification of the NRC, State and local authorities will be initiated as described in section 6.1.5.

SONGS EMERGENCY PLAN

4.0 EMERGENCY CONDITIONS (continued)

Conditions which may constitute a Notification of Unusual Event classification are discussed in SO123-VIII-1, Recognition and Classification of Emergencies and in the SONGS EPSD-1 Emergency Action Level Technical Bases.

The EIPs provide specific instructions taken for Notification of an Unusual Event including responsibilities, notification of offsite emergency organizations, mobilization of the ERO, and will be in accordance with the applicable EIPs. These procedures provide specific instructions to Station personnel for response to these conditions.

4.1.2 ALERT

The Alert classification is characterized by events that are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of EPA Protective Action Guideline exposure levels.

An Alert classification requires response by the augmentation of the onshift emergency organization and constitutes the lowest level where offsite emergency response may be anticipated. The TSC, OSC, EOF and JIC are required to be activated following the ERO notification of the declared Alert event. The TSC, OSC, and EOF are required to be activated and the JIC Director is required to report to the JIC within 90 minutes following ERO recall. The Alert shall be declared as soon as possible following recognition of abnormal plant conditions. All reasonable efforts shall be implemented to make this verification promptly. Notification of NRC, State and local authorities will be initiated as described in section 6.1.5.

Conditions which may constitute an Alert classification are discussed in SO123-VIII-1, Recognition and Classification of Emergencies and in the SONGS EPSD-1 Emergency Action Level Technical Bases.

The EIPs provide specific instructions to the ERO for response to this class of emergency including providing for the activation of emergency facilities and mobilization of the ERO to ensure readiness in the event the situation becomes more serious. These procedures also provide ERO responsibilities, notification of offsite emergency organizations, methods for information flow, continuing monitoring and assessment of radiation levels and plant systems status, and implementation of corrective and protective actions.

4.1.3 SITE AREA EMERGENCY

The Site Area Emergency classification is characterized by events that are in progress or have occurred which involve an actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that result in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.

SONGS EMERGENCY PLAN

4.0 EMERGENCY CONDITIONS (continued)

Although emergency actions involving members of the public may not be necessary, offsite emergency response organizations should be mobilized and ready to implement protective measures. The Site Area Emergency shall be declared as soon as possible following recognition of abnormal plant conditions. All reasonable efforts shall be implemented to make this verification promptly. NRC, State and local authorities will be notified as described in section 6.1.5.

The TSC, OSC, EOF and JIC are required to be activated following the ERO notification of the declared Site Area Emergency event. The TSC, OSC, and EOF are required to be activated and the JIC Director is required to report to the JIC within 90 minutes following ERO recall.

Conditions which may constitute a Site Area Emergency are discussed in SO123-VIII-1, Recognition and Classification of Emergencies and in the SONGS EPSD-1, Emergency Action Level Technical Bases.

The EIPs provide specific instructions to the ERO for response to this class of emergency including responsibilities, notification of offsite emergency organizations, mobilization of the ERO, methods for information flow, continuing assessment of radiation levels and plant systems status, and implementation of corrective and protective actions.

4.1.4 GENERAL EMERGENCY

The General Emergency classification is characterized by events that are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area. Total activation of the Emergency Response Facilities and offsite emergency organizations is required. Protective actions involving offsite populations are highly probable.

The General Emergency shall be declared following recognition of abnormal plant conditions. For less apparent indications, emergency response personnel should ensure that an appropriate Alert or Site Area Emergency is in effect and determine the applicability of a General Emergency as soon as possible. NRC, State and local authorities will be notified as described in section 6.1.5.

The TSC, OSC, EOF and JIC are required to be activated following the ERO notification of the declared General Emergency event. The TSC, OSC, and EOF are required to be activated and the JIC Director is required to report to the JIC within 90 minutes following ERO recall.

In most cases, a General Emergency will involve conditions that exceed the design basis for the plant. Conditions which may constitute a General Emergency are discussed in SO123-VIII-1, Recognition and Classification of Emergencies and in the SONGS EPSD-1, Emergency Action Level Technical Bases.

SONGS EMERGENCY PLAN

4.0 EMERGENCY CONDITIONS (continued)

The EIPs provide specific instructions to the ERO for response to this class of emergency including responsibilities, notification of offsite emergency organizations, mobilization of the ERO, methods for information flow, continuing assessment of radiation levels and plant systems status, and implementation of corrective and protective actions.

4.2 SPECTRUM OF POSTULATED ACCIDENTS

The classification of accidents and corresponding protective actions required relative to significant emergency conditions are based primarily on the resultant projected doses. Methods are described in this Plan and in EIPs for projecting, measuring, and evaluating those doses.

In nearly all cases, the proper response to an emergency condition requires a considerable degree of judgment by the Emergency Coordinator based on experience and knowledge.

Discrete accidents are described in the San Onofre Nuclear Generating Station Units 2&3 FSAR and Dry Cask Storage FSAR. Discussion of these postulated accidents identifies the immediate indications which will be employed for prompt detection of an event and continued assessment of the consequences and plant status.

Unit 1 is decommissioned. There are no credible accidents applicable to Unit 1.

The manpower needed to take immediate action directed at the minimization of damage to the plant and equipment, and to initiate protective measures for onsite and offsite individuals is provided by the normal shift operating crew. The composition of this around-the-clock crew, the emergency assignments for these individuals, and arrangements for augmentation with emergency response personnel are described in Section 5.

SECTION 5

ORGANIZATIONAL CONTROL OF EMERGENCIES

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES

The onsite Emergency Response Organization, its augmentation and extension offsite are discussed in this section. Included are the authorities and responsibilities of key individuals and groups, and a description of the communication links for notifying, alerting, and mobilizing emergency response personnel. The organization of onsite emergency response personnel and offsite support agencies is shown in Figure 5-1.

5.1 NORMAL OPERATING ORGANIZATION

The non-emergency SONGS operating organization is found on the Edison International Web Page under the Organization Chart. The diagram illustrates levels and lines of responsibility within the station. The minimum shift crew at all times is shown in Table 5-5. The Units 2/3 minimum shift staffing levels provide personnel sufficient to perform the functions required of on shift emergency responders and emergency responders called in within 30 minutes in Table B-1 of NUREG-0654. Personnel responding to postulated events at Unit 1 and the Independent Spent Fuel Storage Installation (ISFSI) are assigned by the Shift Manager from available on shift resources. Personnel are available on each shift who are trained in firefighting, first aid, and the use of radiation monitoring equipment.

The SONGS Operations shift, under the direction of the Shift Manager, is responsible for the safe and proper operation of the plant at all times. The Operations shift will respond to all abnormal and emergency situations and take action as necessary to mitigate the consequences of and/or terminate any accident.

The shift organization will be self-reliant for a sufficient period of time to allow for the notification of the required personnel and the assembly and integration of those personnel into the Emergency Response Organization.

5.1.1 SHIFT MANAGER/ASSISTANT SHIFT MANAGER

- Units 2/3 Events and Site-Wide Events

The Shift Manager/Assistant Shift Manager (SM/ASM) initially assumes the duties of the Emergency Coordinator. The SM/ASM will be responsible for the initial assessment and evaluation of any abnormal or emergency situation and for directing the appropriate response. Once relieved by the Station Emergency Director in the TSC or the Corporate Emergency Director in the Emergency Operations Facility, or by their designated alternates, the SM/ASM will be responsible for maintaining control over plant operations. The Shift Manager will have the Units 2/3 Operations shift personnel reporting to him or her. The SM/ASM will delegate control room personnel to make initial notifications per section 6.1.5 and will ensure appropriate site emergency public address announcements are made and coordinated with on-site siren activation. The SM/ASM will maintain contact with the Operations staff of the unaffected units.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

During off-normal conditions the SM/ASM shall ensure technical evaluation of plant conditions and parameters and an independent overview of plant safety. During transients and accidents, the SM/ASM will compare existing critical parameters with those predicted in operating procedures and other appropriate documents to ascertain whether the plant is responding to the incident as predicted. The SM/ASM will formulate a plan for appropriate corrective action. The SM/ASM will make a qualitative assessment of plant parameters during and following an accident.

- ISFSI Events

The SM/ASM in the Units 2/3 control room will assume the role of Emergency Coordinator, directing resources to respond to an ISFSI event. The SM/ASM will designate a qualified operator to assume the duties of the Operations Leader for Units 2 and 3, who will then observe ISFSI changing conditions. The Operations Leader will communicate with the SM/ASM/Emergency Coordinator during an emergency.

5.1.2 RADIATION PROTECTION SUPERVISOR

The Radiation Protection Supervisor will initially be responsible for coordinating the in-plant radiological controls and supervising all available Radiation Protection personnel until such time as the Radiation Protection Supervisor is relieved by the Radiation Protection Manager or designated alternate. The Radiation Protection Supervisor will prioritize actions to provide assistance in radiological access control, dose projections, and assembly area monitoring. The Radiation Protection Supervisor will also provide radiological control coverage for emergency repair, search and rescue, first aid, firefighting, and other activities. If necessary, the Radiation Protection Supervisor can field a radiological monitoring team.

5.1.3 RADIATION PROTECTION TECHNICIANS

The Radiation Protection Technicians will report to their designated Emergency Response Facility.

5.1.4 SHIFT COMMUNICATOR

A Shift Communicator Qualified person assumes the position of Shift Communicator when directed by the Shift Manager or Station Emergency Director. The Shift Communicator will ensure the ERO Recall System is activated, event and follow-up notifications are made to state, local and the Nuclear Regulatory Commission within administratively established time requirements. Responsibility for these duties will be transferred if able, to the EOF or TSC when the Emergency Coordinator duties are transferred. The Shift Communicator will also make contact with the Nuclear Regulatory Commission and provide initial notification of the emergency declaration and maintain open communications if requested.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.1.5 EMERGENCY TEAMS

- **Firefighting**

Firefighters, who are trained in a State Certified Fire Fighting academy, or equivalent, are onsite 24 hours per day, 7 days per week. Under the direction of a Battalion Chief, these personnel shall respond to all actual or potential fires as indicated by fire alarms. When fighting fires which affect plant operations, the Shift Manager will send an Operator and the Radiation Protection Supervisor will send a RP technician to act as advisors to the Battalion Chief. Assistance may be requested from the Camp Pendleton Fire Department as deemed necessary by the Battalion Chief.

- **First Aid and Rescue**

All firefighters are Emergency Medical Technicians, certified by the State of California. Medical emergencies and rescue operations will be the responsibility of onshift firefighters. They are onsite 24 hours per day, 7 days per week. Assistance will be requested from outside medical support personnel or organizations as deemed necessary by the Battalion Chief.

- **Radiological Monitoring**

Prior to the activation of the entire Emergency Response Organization, the Emergency Coordinator may request that radiological monitoring teams be dispatched. Onsite radiological monitoring is supported by the dispatch of on-shift RP Technicians under the direction of the RP Supervisor. They are responsible for performing radiological surveys and for assisting in decontamination activities as assigned. Offsite monitoring beyond the Owner Controlled Area is supported by utilizing the Fixed Environ Monitors described in Section 7.3.1.1 and Table 7-6. Information provided by these monitors is available in the Control Room and can be utilized for dose assessment and projections. Additional field monitoring personnel are available with the activation of the Operations Support Center and Emergency Operations Facility.

- **Security and Personnel Accountability**

The SONGS Security Force will operate by the requirements established in the Physical Security Plan, the Safeguards Contingency Plan, Security Procedures, and the Emergency Plan Implementing Procedures. Safeguard measures may be temporarily suspended by the Emergency Coordinator, or designee, as necessary to facilitate response to emergency conditions. The SONGS Security Force will report to the Security Leader in emergency situations. The Security Leader will in turn report to the Station Emergency Director.

The Security Force will respond and provide assistance as required to maintain the security of the site. Security will be responsible for performing protected area personnel accountability and facilitating site assembly or evacuation.

Provisions have been made in the Physical Security Plan for expediting access of emergency response vehicles. Security will, as appropriate, escort such vehicles to the proper location.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.2 ONSITE EMERGENCY RESPONSE ORGANIZATION

Figure 5-1 shows the structure of the SONGS Emergency Response Organization. The ERO will begin with the minimum shift crew and will expand to include additional personnel as they are needed and available. Individuals assigned to emergency response leader positions are qualified in accordance with the Emergency Plan Training Program described in Section 8.0. Table 5-1 summarizes the duties of the Emergency Response Organization leader and staff positions. Table 5-2 identifies station personnel typically assigned to emergency response leader positions. Minimum Emergency Response Organization staff positions for each Emergency Response Facility are provided in Table 5-4.

Table 5-5 reflects the results of the San Onofre Nuclear Generating Station On-Shift Emergency Response Organization Staffing and Capabilities analysis. The San Onofre Nuclear Generating Station On-Shift Emergency Response Organization Staffing and Capabilities analysis is retained under Records Processing Agreement (RPA) 02-0080.

During protracted emergencies when the plant is stable and there is no threat of escalation of the emergency, the Emergency Coordinator may authorize continued response to the emergency with a subset of the emergency response organization.

The Vice President and Site Manager, is ultimately responsible for the safe, reliable, and efficient operation of the plant in conformance with the Operating License (Units 2/3) and Possession Only License (Unit 1).

5.2.1 EMERGENCY COORDINATOR

The Shift Manager will, upon declaration of an emergency event, assume the responsibilities of the Emergency Coordinator. Until such time as additional personnel can be recalled to staff the ERO (Figure 5-1), the Shift Manager will assign members of the shift organization to carry out prioritized actions as described in the Emergency Plan Implementing Procedures (EPIPs), Emergency Operating Instructions (EOIs) for Units 2/3, and Abnormal Operating Instructions (AOIs) for Units 2/3. The Shift Manager will turn over responsibilities as Emergency Coordinator to the Station Emergency Director, and ultimately to the Corporate Emergency Director, in the Emergency Operations Facility, when activated.

In case the Shift Manager is unavailable or becomes incapacitated for any reason, the Assistant Shift Manager or Supervisor of Plant Operations has the authority to assume the position of Emergency Coordinator until properly relieved. Designated alternates to the Station Emergency Director and Corporate Emergency Director for staffing the Emergency Coordinator position are indicated on a SONGS Emergency Response Organization Roster.

Prior to transfer of the Emergency Coordinator function to the EOF, Emergency Coordinator responsibilities of the Shift Manager/Station Emergency Director are:

1. Decision to notify offsite agencies.
2. Making protective action recommendations to offsite agencies.
3. Classification and declaration of an emergency event.
4. Ordering site assembly.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5. Site Evacuation.

6. Authorizing personnel to exceed 10CFR20 exposure limits.

When the Corporate Emergency Director assumes the Emergency Coordinator functions, only responsibilities 1, 2 and 5 are transferred. Responsibilities 3, 4, and 6 remain assigned to the Shift Manager/Station Emergency Director.

Upon activation of the TSC, the Station Emergency Director will assume and retain responsibility throughout the duration of the emergency for the recognition and classification of emergencies. Once a classification is made the Station Emergency Director will have the classification announced to all onsite emergency response facilities and notify the Corporate Emergency Director/Emergency Coordinator in the EOF. The Corporate Emergency Director/Emergency Coordinator will then develop an appropriate protective action recommendation and notify the state and local offsite jurisdictions of the change in classification/protective action recommendation as described in section 6.1.5 and 6.1.6. The Station Emergency Director will also retain responsibility for ordering a site assembly, and promptly notifying the Emergency Coordinator in the EOF of the decision.

5.2.2 EMERGENCY COORDINATOR (Continued)

Certain circumstances (e.g., security events, hazardous conditions) may warrant the relocation of personnel assigned to an emergency response facility to an alternate facility. These emergency response personnel may be relocated before activating their assigned emergency response facilities. The Emergency Coordinator (EC), Station Emergency Director (SED), or Corporate Emergency Director (CED) must approve the relocation.

To ensure that offsite authorities are kept fully informed of the emergency status and actions in progress, the Emergency Coordinator will ensure that event and follow-up notifications are transmitted to offsite agencies within established time requirements.

The Emergency Coordinator has the authority and the responsibility to immediately and unilaterally initiate any Emergency Plan implementation action, including providing protective action recommendations to authorities responsible for implementing offsite emergency measures.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

The Emergency Coordinator has the authority to suspend any security measure described in the Physical Security Plan as necessary to facilitate response to emergency conditions (vital area access controls will not be dropped for life threatening situations not involving the public health and safety). During a declared emergency, when the Emergency Coordinator functions are transferred to the EOF, the Station Emergency Director (SED), or designee, assumes the authority to suspend security measures to facilitate the emergency response. Although the authority to suspend security measures is not transferred to the EOF, the Station Emergency Director shall keep the Corporate Emergency Director informed of events which require suspension of security measures. Any security measure suspended under these provisions will be restored, and inspected by the Shift Commander, as soon as practicable.

The Emergency Coordinator, following notification of an existing or potential emergency, will respond to the emergency as described in Section 6. The Emergency Coordinator will be responsible for final assessments of emergency situations, especially where the emergency presents a real or potential hazard to offsite persons or property. The Emergency Coordinator will implement the SONGS Emergency Plan through the use of specific EPIPs or the Emergency Planning Order, activate necessary and/or required portions of the Emergency Response Organization and, as appropriate:

1. Ensure that the Emergency Coordinator will be kept informed of the status of the emergency through communications with the Control Room, Technical Support Center, Operations Support Center, and the Emergency Operations Facility. Following EOF activation, the Corporate Emergency Director will assume the role of Emergency Coordinator and will communicate with the Station through the Station Emergency Director in the TSC.
2. Provide support to the Shift Manager.
3. Ensure that notification and reports to local, state, and federal agencies are made in a timely manner.
4. Request assistance from onsite and offsite personnel, organizations, and agencies.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.2.3 EMERGENCY COORDINATOR (Continued)

1. Analyze interpreted plant and radiological data to determine offsite protective action recommendations.
2. Ensure that adequate protective actions are taken for the safety of emergency response personnel assigned to the Control Room, TSC, and OSC.
3. Authorize emergency radiation over-exposures.
4. Review and evaluate updated information and data.
5. Ensure that significant information and data is relayed to onsite and offsite organizations, agencies, and response teams.
6. Determine the necessity for onsite evacuation.

5.2.4 OPERATIONS LEADER

For Units 2/3 and the ISFSI the Shift Communicator is assigned the Operations Leader Duties. Designated alternates may be filled as indicated on the SONGS Emergency Response Organization Roster. The primary responsibility of the Operations Leader is to provide outward communications from the Control Room to the Emergency Response Facilities (EOF and TSC), and to notify plant personnel of evacuation/assembly requirements during declared emergencies.

5.2.5 STATION EMERGENCY DIRECTOR

This position will be filled as indicated on the SONGS Emergency Response Organization Roster. The Station Emergency Director will assume the duties of Emergency Coordinator until such time as the Emergency Operations Facility is activated and the Corporate Emergency Director assumes the overall management of the company response efforts. Throughout the duration of the emergency, the Station Emergency Director is responsible for recognition and classification of emergencies (including announcing the event to all onsite emergency response facilities), site assembly, and authorizing personnel to exceed normal radiation exposure limits expressed in 10CFR20.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.2.6 STATION EMERGENCY ADVISORS

The Emergency Advisor for Operations and the Emergency Advisor for Notifications positions will be filled as indicated on the SONGS Emergency Response Organization Roster. The Emergency Advisors report to the Technical Support Center and assist the Station Emergency Director in completing assessment activities.

The Emergency Advisor for Notifications is also responsible for resolving questions concerning license requirements. They may also receive reports from all emergency response leaders concerning EPIP status and provide this information to the Station Emergency Director.

5.2.7 STATION TECHNICAL LEADER

The Technical Leader position will be filled as indicated on the Qualified SONGS Emergency Response Organization Roster. The Technical Leader reports to the Station Emergency Director. The Technical Leader will, through close communications with the Station Emergency Director, provide technical support and recommendations regarding emergency actions. The Technical Leader will have a staff in the Technical Support Center to provide assistance with the following responsibilities:

1. Analyze mechanical, electrical, and instrument and control problems; determine solutions; design and coordinate the installation of short-term modifications.
2. Analyze thermohydraulic and thermodynamic problems and develop problem resolutions.
3. Calculate flow rates for source term/release rates and provide information and recommendations to the Radiation Protection Leader, Station Emergency Director or Emergency Coordinator.
4. Analyze conditions and develop guidance for the Station Emergency Director and Operations personnel.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.2.8 STATION RADIATION PROTECTION LEADER

The Radiation Protection Leader position will be filled as indicated on the SONGS Emergency Response Organization Roster. Responsibilities assumed by the Radiation Protection Leader include:

1. Appoint and direct onsite and offsite SCE radiation monitoring personnel activities.
2. Perform dose projections for onsite and offsite areas and provide information and recommendations to the Emergency Coordinator.
3. Provide Radiation Protection services for onsite emergency activities.
4. Provide technical advice to the Emergency Coordinator/Station Emergency Director on radiological aspects of onsite emergency activities.
5. Provide technical advice to the Emergency Coordinator/Station Emergency Director concerning recommendations for offsite protective actions.
6. Ensure issuance and proper use of radiological protective equipment.
7. Appoint and direct personnel to perform decontamination activities for personnel, vehicles, and plant equipment.

Recommendations for offsite protective actions and performance of dose assessment calculations are transferred to the EOF Radiation Protection Leader when the EC duties are transferred from the SED to the CED.

5.2.9 STATION EMERGENCY PLANNING COORDINATORS

The Emergency Planning Coordinator position will be filled indicated on the SONGS Emergency Response Organization Roster. The Emergency Planning Coordinator will report to the Operations Support Center to advise and assist the Emergency Group Leader on procedural requirements and the coordination of various divisions comprising the OSC Emergency Response Teams.

5.2.10 TECHNICAL SUPPORT CENTER (TSC) MANAGER

The TSC Manager reports to the TSC and provides assistance to the Emergency Advisor Notifications and/or the Station Emergency Director on logistical information relating to onsite, offsite and State Emergency Facilities, communication capabilities, personnel and resource availabilities and procedural requirements. The TSC Manager, if Station Emergency Director qualified, may fill in as the Station Emergency Director as required (prior to Station Emergency Director or if the Station Emergency Director falls ill, etc.)

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.2.11 SITE SECURITY LEADER

The Security Leader position will be filled as indicated on the SONGS Emergency Response Organization Roster. The Security Shift Commander may fill this position if the designated alternates are not onsite. The responsibilities to be assumed by the Security Leader upon reporting to the Technical Support Center include:

1. Maintain plant security and institute emergency contingency measures as appropriate.
2. Account for personnel in accordance with EPIPs.
3. Traffic and access control.
4. Search of work areas inside and outside the Protected Area for personnel following a site assembly or evacuation.
5. Coordinate the onsite assembly process.
6. Restrict ingress and egress for the Owner Controlled Area, the Mesa Area, and Protected Area during declared emergencies.
7. Waive security measures if necessary as directed by the Emergency Coordinator (Station Emergency Director).
8. Direct the evacuation of personnel from the protected area or site as directed by the Emergency Coordinator or the Station Emergency Director.
9. Relocating to a tactical post outside of the TSC due to implementation of the Safeguards Contingency Plan, if required.

5.2.12 SECURITY DIRECTOR

The Security Director position will be filled as indicated on the SONGS Emergency Response Organization Roster. The Security Director position is staffed upon activation of the EOF, reports to the CED, and assumes the following responsibilities:

1. Interact with the Site Security Leader to obtain updated information.
2. Inform and update the CED of actions and decisions made in the Joint Operations Center (JOC).

5.2.13 STATION ADMINISTRATIVE LEADER

The Administrative Leader position will be filled by individuals as designated on the SONGS Emergency Response Organization Roster. The Administrative Leader reports to the Emergency Operations Facility and assumes the following responsibilities for Station Administrative Duties:

1. Coordinate provisions for transportation, food, and other logistic support.
2. Act as liaison with vendors in providing additional resources such as manpower, equipment, supplies, and transportation.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.2.14 STATION EMERGENCY GROUP LEADER

The Emergency Group Leader position will be filled as indicated on the SONGS Emergency Response Organization Roster. The Emergency Group Leader reports to the Operations Support Center and assumes the following responsibilities:

1. Functional supervision of the Operations Support Center.
2. Coordination of emergency response team activities such as emergency services (fire, rescue, first aid) and damage assessment, control and repair.
3. Provide advice to the Station Emergency Director for emergency repairs related to the accident conditions.

5.2.15 STATION CHEMISTRY COORDINATOR

The Chemistry Coordinator position will be filled as indicated on the SONGS Emergency Response Organization Roster. The Chemistry Coordinator reports to the Emergency Group Leader and assumes the following responsibilities:

1. Maintain communications with the Emergency Group Leader and the Technical Leader to provide immediate chemistry information and to receive direction for sampling requirements.
2. Sample and analysis of RCS and other plant systems.
3. Recommendations on maintaining chemical control of plant systems.
4. Monitor, and establish controls as necessary, for normally non-radioactive systems which could become radioactive as a result of the emergency.
5. Advise the Emergency Group Leader on the effects from toxic chemicals.

5.2.16 ONSITE EMERGENCY RESPONSE TEAMS

Various emergency response teams may be rapidly assembled as emergency needs dictate. Such teams include: emergency services (fire, rescue, first aid), radiological onsite/offsite monitoring and damage assessment, control and repair. Table 5-2 delineates station personnel who may typically be expected to staff these functions.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.3 AUGMENTATION OF ONSITE EMERGENCY RESPONSE ORGANIZATION

The nature of an emergency may require augmenting the onsite Emergency Response Organization. Therefore, it may become necessary to request and utilize assistance furnished by corporate and private organizations and agencies. In order to ensure that support from local hospitals, physicians, ambulance services and the Fire Department, Marine Corps Base, Camp Pendleton will be available on relatively short notice, letters of agreement have been drawn with the various organizations listed in Section 5.3.3 and are included in Appendix A. Augmentation for more detailed core physics analysis, thermal hydraulic analysis, radiation monitoring, dose assessment, decontamination, radioactive waste disposal, or emergency construction will be provided by Southern California Edison resources, or by enacting provisions of aid agreement with INPO. Emergency assistance may also be provided by Westinghouse Electric Company in the event of a nuclear emergency at SONGS, as described in Appendix C. Southern California Edison, local agency and onsite organization augmentation and support are described in the following sections.

5.3.1 ONSITE EMERGENCY SUPPORT

The initial onsite Emergency Response Organization is provided by the normal operating organization as described in Section 5.1. Augmentation is provided by personnel who assume the positions and responsibilities of these positions as described in Section 5.2.

In addition, EPIPs provide guidance for further augmentation by contacting off-duty personnel and having these personnel report for duty. Further assistance is provided by contacting offsite contractors, vendors, and other support personnel as deemed necessary by the Emergency Coordinator.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.3.2 EOF AND JOINT INFORMATION CENTER (JIC) ORGANIZATIONS

Support of the onsite Emergency Response Organization is provided by SCE personnel assigned to the Emergency Operations Facility and the Joint Information Center. The duties and responsibilities of personnel who are assigned to the Emergency Operations Facility are set forth in the Emergency Plan Implementing Procedures. The JIC and the SONGS public information and education program is managed, per Nuclear Order SO123-EP-1, by Emergency Planning. Personnel assigned to these facilities include the Vice President, Engineering and Technical Services, division managers, engineers and other personnel who are able to provide managerial, technical, radiological and logistic support to the Emergency Response Organization and offsite agencies. The JIC provides interface with the news media. The EOF provides interface with local, State and Federal jurisdictions which may be affected by an Alert, Site Area Emergency, or General Emergency at SONGS. In addition, the EOF coordinates with industry associations such as INPO, Nuclear Energy Institute (NEI) and the Electric Power Research Institute. Figure 5-1 shows the relationship of the EOF and JIC with the rest of the Emergency Response Organization.

5.3.3 LOCAL SERVICES SUPPORT

Mutual Aid Support may be requested through the SONGS Shift Manager, Fire Department or during a declared emergency, the Emergency Coordinator. SONGS maintains Mutual Aid Support agreements with the following organizations:

- Mercy Air Ambulance Services, Inc. (Orange and San Diego County)
- Mission Hospital Regional Medical Center (Mission Viejo)
- Mission Hospital of Laguna Beach (Laguna Beach)
- Saddleback San Clemente Memorial Medical Center (San Clemente)
- Mission Trauma Surgical Medical Group (Mission Viejo)
- Tri-City Medical Center (Oceanside)
- Local Physician
- Marine Corps Base, Camp Pendleton Fire Department
- Orange County Fire Authority

Appropriate phone numbers for notification of these organizations are contained in the Emergency Response Telephone Directory. Letters of agreement from each organization to provide their respective emergency assistance to SONGS are contained in Appendix A.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.3.4 TECHNICAL SUPPORT

- Institute of Nuclear Power Operations (INPO)

The Institute of Nuclear Power Operations (INPO) is a technical association whose Emergency Preparedness Division acts as a clearinghouse organization for maintaining a roster of individuals and skills available to each utility for augmenting the onsite and corporate emergency organizations in the event of an emergency. These technical personnel, if activated, could be directed to the Emergency Operations Facility or the Technical Support Center.

INPO will also serve as a clearinghouse for maintaining an inventory listing of material, equipment, and services which may be used to supplement onsite resources. SCE participates in the INPO program.

5.4 COORDINATION WITH PARTICIPATING GOVERNMENTAL AGENCIES

Orange County, San Diego County, the Camp Pendleton Marine Corps Base, the City of Dana Point, the City of San Clemente, the City of San Juan Capistrano, and the California State Parks are designated as primary response agencies due to their involvement and need for immediate, independent response.

Information concerning an emergency at the Site is transmitted to offsite response organizations by the designated Shift Communicator. Table 5-3 outlines offsite response agencies to be notified, who makes the notification, and the communications systems to be used. All available pertinent information will be transmitted including a description of the event, the current classification and, if necessary, protective action recommendations.

During an Alert, Site Area Emergency, or General Emergency, each of the primary offsite response agencies will operate from an Emergency Operations Center (EOC) in their respective localities. Additionally, each of the primary response agencies will send a representative(s) to the Emergency Operations Facility for liaison purposes. SCE personnel will report to the EOF and the Joint Information Center as indicated in the Emergency Plan Implementing Procedures and an Emergency Planning Order. If necessary, SCE will provide physicians to assist in screening and classifying those members of the general public who may have been exposed to radiation or may be contaminated. Should there be a requirement for whole body counting for the general public, SCE will assist the local agencies by arranging for these.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

5.4.1 STATE AND LOCAL AGENCIES

This section identifies the principal State and local governmental agencies having action responsibilities for radiological emergencies in the vicinity of SONGS. The radiological emergency response plans of these agencies describe their respective responsibilities, authorities, capabilities and emergency functions, and are included as part of this Plan as three separate volumes titled "Offsite Emergency Response Plans." Following is a summary of the provisions for preparedness and response to radiological emergencies by each organization.

- State of California

CAL OES is designated the state authority for coordination of all State level response. CAL OES is the primary state response agency which coordinates the State's response to requests for assistance from local jurisdictions. The primary method of initial notification of CAL OES is by a dedicated telephone line from the TSC to the Warning Center in Sacramento. After activation of the EOF, this responsibility is transferred to personnel at the EOF. The State of California Nuclear Power Plant Emergency Response Plan provides for:

- Planning and coordination with local, State and Federal agencies
- Coordination of all state agency response
- Coordination of state mutual aid
- Coordination of federal assistance requests

- Orange County

The Orange County Sheriff's Department is responsible for offsite coordination and response in unincorporated Orange County. The County Sheriff-Coroner is the decision maker.

The Orange County Emergency Plan contains provisions for:

- Planning and coordination with local, State and Federal authorities
- Initial response to notification by the Station
- Alerting and warning of local population via the Emergency Alert System
- Evacuation and other protective measures for local populations
- Emergency services
- Situation analysis

Emergency procedures for local Orange County response agencies are Standard Operating Procedures prepared in support of the Orange County plan.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

- San Diego County

The San Diego County Office of Emergency Services is the lead governmental agency for offsite coordination and response in San Diego County. The County Chief Administrative Officer is the decision maker.

The San Diego County Emergency Plan contains provisions for:

- Planning and coordination with local, State, and Federal authorities, including the U.S. Coast Guard
- Initial response to notification by the Station
- Alerting and warning of local populations via the Emergency Alert System
- Protective measures for local populations
- Emergency services
- Situation analysis

Emergency procedures for local San Diego County response agencies are Standard Operating Procedures prepared in support of the San Diego County plan.

- Marine Corps Base, Camp Pendleton

Marine Corps Base, Camp Pendleton is the responsible agency for all emergency responses affecting all personnel located at the Base. The Commanding General, Marine Corps Base is the decision maker.

The Base emergency plan contains provisions for:

- Planning and coordination with local, State and Federal authorities
- Initial response to notification by the station
- Alerting and warning of Base personnel
- Protective measures for Base personnel
- Emergency Services
- Situation analysis

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

- **State Parks**

The California State Parks has emergency responsibilities for the State Beaches, Parks, and Campgrounds within the Plume Exposure EPZ. The Orange Coast District Superintendent is the decision maker.

The State Parks Emergency Plan contains provisions for:

- Planning and coordination of activities with local response agencies.
- Alerting and warning the transient population located in areas under its jurisdiction.
- Evacuation of the transient population-at-risk.
- Situation analysis.

- **San Clemente**

The City Manager of San Clemente has emergency responsibilities for activities inside the San Clemente city limits.

The San Clemente Emergency Plan contains provisions for:

- Planning and coordination of activities with other local, county and state response agencies.
- Initial response to notification by the Station.
- Alerting and warning of local populations.
- Protective measures for local populations.
- Emergency services.
- Situation analysis.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

- San Juan Capistrano

The City Manager of San Juan Capistrano has emergency responsibilities for activities inside the San Juan Capistrano city limits.

The San Juan Capistrano Emergency Plan contains provisions for:

- Planning and coordination of activities with other local, county and state response agencies.
- Initial response to notification by the Station.
- Alerting and warning of local populations.
- Protective measures for local populations.
- Emergency services.
- Situation analysis.

- Dana Point

The City Manager of Dana Point has emergency responsibilities for activities inside the Dana Point city limits.

The Dana Point Emergency Plan contains provisions for:

- Planning and coordination of activities with other local, county and state response agencies.
- Initial response to notification by the Station.
- Alerting and warning of local populations.
- Protective measures for local populations.
- Emergency services.
- Situation analysis.

- Capistrano Unified School District

The District Superintendent of the Capistrano Unified School District has emergency responsibilities for the school children of the district during normal school hours. The CUSD Emergency Plan contains procedures for:

- Planning and coordinating the sheltering and evacuation of school children.
- Planning and coordinating activities with other local and county response agencies.
- Situation Analysis.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

- Los Angeles, Riverside, and San Bernardino Counties

Although outside the plume EPZ, a portion of Los Angeles, Riverside, and San Bernardino Counties is included in the 50 mile ingestion pathway zone. The State of California, Department of Health Services Emergency Response Manager will activate the state's Ingestion Pathway Plan, if appropriate, and inform Los Angeles, Riverside, and San Bernardino Counties of health information for the affected population.

5.4.2 FEDERAL AGENCIES

The Nuclear Radiological Response Annex (NRRA) provides guidance regarding Federal agency response to a radiological emergency at San Onofre. The NRRA plan provides the framework through which the Federal agencies participating in the NRRA program will coordinate their emergency radiological monitoring and assessment activities with those of State and local governments. The San Onofre Nuclear Generating Station will perform necessary onsite and in-plant radiological monitoring with Station personnel, augmented as necessary with personnel from other nuclear utilities, and from contractor organizations. NRRA personnel will not be used for onsite or in-plant monitoring. Since NRRA resources are to be used for offsite response, the emergency plan for California has made provisions for the use of NRRA resources. To provide means for NRRA access to plant release and meteorological data, space will be made available for a liaison from NRRA in the Emergency Operations Facility. The principal Federal government agencies having emergency responsibilities relative to SONGS, and a summary of those responsibilities follows.

- U.S. Nuclear Regulatory Commission (NRC)

In accordance with NUREG-0230, Response Coordination Manual 1996, the NRC will be the Lead Federal Agency responsible for coordinating all on scene Federal agency actions during a radiological emergency at San Onofre.

Specific actions performed by the NRC include:

- Determination of when, and to what extent, the NRRA is implemented.
- Notification of other Federal agencies whenever a radiological event occurs or whenever there is a high potential for such an event.
- Assist the State in interpretation and analysis of technical information as a basis for making decisions about protective actions.
- Prepare site specific information for distribution to the public, media, White House, and Congress.

SONGS EMERGENCY PLAN

5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES (Continued)

In addition to the NRRRA, the National Response Framework (NRF) may also be activated. The NRF is activated when the President declares an emergency under the Stafford Act. If the NRF is activated, the NRC will continue to coordinate the Federal radiological response in conjunction with the Federal Coordinating Officer appointed under the NRF.

The primary method of notification to NRC is by the Emergency Notification System (ENS) telephone. For events requiring activation of the Emergency Plan, SCE will provide a Shift Communicator to initiate communication with the NRC within one hour and maintain an open communication channel if requested. Additionally, for events requiring the activation of the Emergency Plan at the Alert level or above, an Operations Leader or qualified replacement as indicated on the ERO roster shall be recalled to the station as a Red Phone Communicator. Upon activation of the Technical Support Center, responsibility for maintaining communications with the NRC is transferred from the Shift Communicator to the TSC Red Phone Communicator. Alternate communications are provided by the Telephone Company System.

- U.S. Department of Energy (DOE)

The U.S. Department of Energy (DOE), will respond to requests from the NRC, or the State, to coordinate offsite radiological monitoring and assessment. DOE resources include technical laboratories, radiation monitoring and assessment, and dose assessment capabilities. DOE will manage the Federal Radiological Monitoring and Assessment Center (FRMAC) which includes aerial dose monitoring. The primary method of notification to DOE is through the NRC. Notification may also be made by telephone.

- Federal Emergency Management Agency (FEMA)

FEMA coordinates non-radiological assistance to State and local organizations as described under the NRRRA. Assistance from FEMA under the NRRRA will be augmented with additional assistance from the NRF if the President declares a state of Emergency, or major disaster, under the Stafford Act.

Specific actions that FEMA performs in response to a radiological emergency include: 1) activation of the Emergency Information and Coordination Center (EICC) at FEMA Headquarters, 2) establish a Disaster Field Office (DFO), and 3) deploy an Emergency Response Team to make contact with State and local responding organizations.

- Federal Bureau of Investigation (FBI)

The FBI acts as the lead agency for the coordination of law enforcement agencies responding to Security related events at the San Onofre Nuclear Generating Station. Response actions to Security events are addressed in the SONGS Safeguards Contingency Plan.

TABLE 5-1 EMERGENCY RESPONSE ORGANIZATION DUTIES

Emergency Position	Reports to	Emergency Duties
Emergency Coordinator	CR, TSC or EOF when activated (Concurrent responsibilities for Shift Manager, SED and CED)	Ensures implementation of appropriate corrective actions to contend with the situation and mitigate possible deterioration of plant conditions. As the situation warrants, ensures initiation of notification and other actions in appropriate EPIPs. Upon arrival, a qualified individual as indicated on the SONGS Emergency Response Organization Roster, relieves the Shift Manager and assumes the position of Emergency Coordinator in the TSC until transferred to the Corporate Emergency Director in the EOF when activated. Only certain EC responsibilities are transferred to the CED.
Corporate Emergency Director	EOF	Assumes Emergency Coordinator function from either the Station Emergency Director, or directly from the EC in the Control Room following activation of the EOF. Normally responsible for notification to offsite agencies, site evacuation and offsite protective action recommendations.
EOF Emergency Advisor, Notifications	EOF	Responsible for advising the Corporate Emergency Director, preparing offsite notifications and maintaining communications with applicable local offsite agencies and the state.
EOF Manager	EOF	Responsible for monitoring offsite activities and providing interface with offsite agencies, advising the Corporate Emergency Director and developing Protective Action Recommendations. The EOF Manager, if Corporate Emergency Director qualified, may fill in as the Corporate Emergency Director as required (prior to Corporate Emergency Director arrival or if the Corporate Emergency Director falls ill, etc.). Briefs offsite representatives on radiological release and plant status. Communicates technical information to the JIC Director and coordinates approval of press releases between the CED and JIC Director.
EOF Emergency Planning Coordinator	EOF	Advises the Emergency Advisors and/or the Corporate Emergency Director in all Emergency Plan requirements. Ensures general support such as warehouse, auto services, and telecommunication to the facility. Supports the OSC Maintenance Coordinator in procurement of emergency parts and supplies.

TABLE 5-1 EMERGENCY RESPONSE ORGANIZATION DUTIES

Emergency Position	Reports to	Emergency Duties
EOF Technical Leader	EOF	Provides engineering technical and plant condition updates to the Corporate Emergency Director and the EOF staff. Responsible for following status of the plant, using information from the TSC and CFMS and monitoring the Brown Phone. Communication with the Control Room, TSC and OSC is maintained via the Ivory Phone.
EOF Security Director	EOF	Provides information on security activities to the Corporate Emergency Director, and acts as liaison to the FBI/Law Enforcement agencies in the JOC, if manned. Coordinates security activities in the EOF including access control and accountability.
EOF Administrative Leader	EOF	Coordinate provisions for food, transportation and other logistical support for emergency personnel. Acts as a liaison with offsite groups in providing additional resources. Keeps the assembly area personnel informed of emergency status. General responsibilities include updating the offsite status board, completing ODAC facsimiles, answering telephones, acting as a runner when needed, and other support activities.
EOF Radiation Protection Leader	EOF	Advises the Corporate Emergency Director on radiological aspects of offsite activities, including protective actions, and performs radiological surveys in the EOF. Briefs, controls and directs onsite and offsite monitoring during plume phase and recovery phase. Assists with keeping ODAC informed of position and results found by the onsite and offsite field monitoring teams. Assists in keeping ODAC inform of dose assessment results from the TSC. Supports the EOF with dosimetry as needed.
EOF Offsite Field Monitoring Teams (Monitors)	EOF	Monitors and performs air samples usually within the EPZ from the owner controlled fence out to the EPZ boundary. Also performs environmental sampling during recovery phase.

TABLE 5-1 EMERGENCY RESPONSE ORGANIZATION DUTIES

Station Emergency Director	TSC	Assumes Emergency Coordinator function from Shift Manager (he only assumes some of the ECs responsibilities. Some are transferred to the CED, could be directly from the EC to the CED). Normally responsible for recognition and classification of emergencies, site assembly, authorizing extensions to personnel exposure limits, and directing overall activities of the TSC.
TSC Emergency Advisor, Operations	TSC	Assists the Station Emergency Director in plant status assessment activities, and advises the Emergency Coordinator on corrective/protective actions, and emergency classification requirements.
TSC Emergency Advisor, Notifications	TSC	Prepare and coordinate offsite notifications, review PARs, review event classification and advise the Station Emergency Director.
TSC Manager	TSC	Advises the Emergency Advisor and/or the Station Emergency Director in all Emergency Plan requirements. The TSC Manager, if Station Emergency Director qualified, may fill in as the Station Emergency Director as required (prior to Station Emergency Director arrival or if the Station Emergency Director falls ill, etc.)
TSC Red Phone Communicator	TSC	Responsible for maintaining communications with the NRC.
TSC Security Leader	TSC	Maintains plant security, traffic and access control. Responsible for performing protected area personnel accountability and facilitating site assembly and/or evacuation.
TSC Radiation Protection Leader	TSC	Advises the Station Emergency Director on radiological aspects of offsite activities, including protective actions. Assists with keeping ODAC informed of dose assessment results. Performs dose assessment calculations and projections and reviews meteorological data.
TSC Technical Leader	TSC	Provides engineering technical support to the Emergency Advisor and/or the Station Emergency Director. Performs source term calculations and directs sampling of plant system fluids/gases.

TABLE 5-1 EMERGENCY RESPONSE ORGANIZATION DUTIES

TSC Technical Team Mitigator	TSC	Reports to the TSC Technical Leader and is responsible for leak rate determinations, overall plant and core damage assessment, mitigation and SAMG, thermohydraulic and thermodynamic problems, updating plant parameter status, and monitoring the Ivory Phone. Includes Assessor, Mitigator, Status Board Keeper, CFMS Computer Operator, and Log Keeper/Ivory Phone Operator positions.
Operations Leader	CR	Provides the interface between the Control Room and the TSC and OSC via the Ivory Phone.
Shift Communicator	CR/TSC	Performs all E-Plan required notifications (including NRC) until relieved by TSC or EOF Staff. Communications with the NRC are performed via the ENS line and a continuous communications link is maintained upon request until relieved by TSC staff. After transferring duties, is responsible for general communication and administrative duties in TSC.
Emergency Group Leader	OSC	Functional supervisor of OSC. Coordinates emergency response team activities. Advises the Station Emergency Director for emergency repairs.
OSC Emergency Planning Coordinator	OSC	Advises and assists the Emergency Group Leader with coordination of emergency response teams, and all Emergency Plan requirements. Maintains radio contact with the onsite response teams and keeps the OSC RP Coordinator informed of the radiological conditions. Maintains status board tracking for all teams in field. Provides CDM support to the OSC.
OSC Operations Coordinator	OSC	Coordinates Operations activities from the OSC. Keeps OSC informed of plant conditions and maintains status board.
OSC Chemistry Coordinator	OSC	Provides data on chemistry of reactor coolant system and other plant systems, makes recommendations on maintaining chemical control of systems. Operates Multi-Channel Analyzer and provides analysis results to the RP Leader.
OSC Emergency Services Coordinator	OSC	Coordinates fire-fighting, first aid and rescue activities. Provides for the response to hazardous materials incidents for the protection of life, environment and property.
OSC Security Coordinator	OSC	Coordinates security activities from the OSC.
OSC Maintenance Coordinator	OSC	Coordinates maintenance and repair activities from the OSC.

TABLE 5-1 EMERGENCY RESPONSE ORGANIZATION DUTIES

OSC Radiation Protection Coordinator	OSC	Coordinates Radiation Protection activities from the OSC. Acts as liaison between the OSC and in-plant field teams. Maintains plant radiological status board. Provides briefings and debriefings to teams on radiological conditions and required radiological controls. Develops Radiation Exposure Permits that specify radiological controls.
OSC Radiation Protection Technicians	OSC	Provides Radiation Protection support for emergency response teams in the plant for damage assessment, control and repair of equipment, and injury or lifesaving tasks.
OSC I&C Technicians	OSC	Provides instrumentation and control support for emergency response teams in the performance of damage assessment and in the control and repair of equipment
OSC Electrical Craft	OSC	Provides electrical support for emergency response teams in the plant for damage assessment, control and repair of equipment.
JIC Director/Spokesperson	JIC	Acts as the SCE company spokesperson and directs overall operations of the JIC. Directs the development of news releases for the media. Responsible for gathering and monitoring technical information.

All positions are required for minimum staff and will be staffed within 90 minutes following initiation of call-out process.

TABLE 5-2 TYPICAL EMERGENCY ASSIGNMENTS FOR STATION PERSONNEL

EMERGENCY FUNCTION	NORMAL WORKING HOURS	BACK SHIFTS
1. Plant Operations and Assessment	All emergency response personnel on duty	Shift Manager (SM)/Assistant Shift Manager (ASM) Plant Operations Staff Radiation Protection Technician Nuclear Chemistry Technician Security Personnel
2. Emergency Direction and Control	Station Manager and others as described in this plan	Shift Manager (SM)/Assistant Shift Manager (ASM) and Plant Operations
3. Communications and Notification	Assisted by Emergency Advisor for Notifications Operator, Designated by Shift Manager	Designated Operator
4. Radiological Accident Assessment	Radiation Protection Department	Radiation Protection Technician
5. Fire Fighting	Firefighters	Firefighters
6. Rescue	Firefighters	Firefighters
7. First Aid	Firefighters	Firefighters
8. Decontamination	Radiation Protection Department	Radiation Protection Technicians
9. Site and Station Access Control and Personnel Accountability	Security Department	Shift Commander Security Officers
10. Damage Control and Repair	Maintenance Manager Maintenance Supervisor Craftsmen	Maintenance Supervisor Duty Craftsmen Operations Staff
11. Dose Projection and PAG Evaluation	Radiation Protection Department	Radiation Protection Technician
12. Plant System Engineering, Accident Assessment and Mitigation	Engineering Department I&C Technicians	Shift Manager (SM)/Assistant Shift Manager (ASM) Plant Operations Staff

TABLE 5-3 OFFSITE RESPONSE AGENCY NOTIFICATION

Offsite Response Agency	Notified By	Location of Agency Communications	Primary Means of Communication	Individual Answering	Agency Communications Staffed at all times?	Alternate Means of Communications
Orange County	EC (or authorized delegate)	Orange County Communications Center, Silverado, CA.	Yellow Phone System	Orange County Communications Control 1 Supervisor	Yes (if other than normal hours, Orange County Communications Center will notify Cities of San Clemente, San Juan Capistrano, and/or Dana Point)	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine 4. ODAC Radio
San Diego County	EC (or authorized delegate)	San Diego County Disaster Preparedness Control Center	Yellow Phone System	San Diego County Communications Shift Supervisor	Yes	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine
Marine Corps Base, Camp Pendleton	EC (or authorized delegate)	Base Headquarters/ Command Center	Yellow Phone System	Command Duty Officer or 911 Dispatch	Yes	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine 4. Direct Radio Link, Control Room to Central Fire Station 5. Marine Corps Emergency Dispatch Radio 6. Dedicated phone to the Emergency Dispatch office (Orange phone)
California State Parks	EC (or authorized delegate)	Orange Coast District Office, San Clemente and State Parks Dispatch, Perris	Yellow Phone System	Parks Department staff	Yes. If contact is not made the California State Parks, Dispatch will contact them per an established protocol.	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine 4. State Parks Radio
City of Dana Point	EC (or authorized Delegate)	Dana Point City Hall	Yellow Phone System	City staff	No. If other than normal working hours Orange County Control One will notify authorities.	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine

TABLE 5-3 OFFSITE RESPONSE AGENCY NOTIFICATION
(Continued)

Offsite Response Agency	Notified By	Location of Agency Communications	Primary Means of Communication	Individual Answering	Agency Communications Staffed at all times?	Alternate Means of Communications
City of San Clemente	EC (or authorized Delegate)	San Clemente Community Development Building	Yellow Phone System	City staff	No. If other than normal working hours Orange County Control One will notify authorities.	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine
City of San Juan Capistrano	EC (or authorized delegate)	San Juan Capistrano City Hall	Yellow Phone System	City Staff	No. If other than normal working hours Orange County Control One will notify authorities.	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine
Capistrano Unified School District	San Clemente EOC	District Office	Telephone Company System	District Staff	No. School hours only.	Dispatch of individual.
U. S. Nuclear Regulatory Commission	EC (or authorized delegate)	NRC Headquarters Rockville, MD	Emergency Notification System (ENS) Red Phone	NRC Duty Officer	Yes	1. Telephone Company
CAL OES	EC (or authorized delegate)	CAL OES Warning Center, Sacramento	Dedicated Telephone System (Blue Phone)	Duty Personnel	Yes	1. Telephone Company 2. Facsimile Machine
California Highway Patrol - Border Division	EC (or authorized delegate)	San Diego	Yellow Phone System	Duty Personnel	Yes	1. Telephone Company 2. Yellow Phone System Printer 3. Facsimile Machine

TABLE 5-4 EMERGENCY RESPONSE ORGANIZATION MINIMUM STAFF POSITIONS

(Position to be staffed within 90 minutes following initiation of Call-Out Process)

NOTE: The positions listed in Table 5-4 are NOT in addition to the Emergency Response Positions shown in Table 5-1. Table 5-4 exists to assist in clarification of the Minimum Staff Positions that are required for activation of the SONGS Emergency Response Facilities.

Emergency Operations Facility	Technical Support Center	Operations Support Center	Joint Information Center
Corporate Emergency Director Emergency Advisor, Notifications EOF Manager Emergency Planning Coordinator Technical Leader Security Director Radiation Protection Leader Administrative Leader Offsite Field Monitoring Teams	Station Emergency Director Emergency Advisor, Operations Emergency Advisor, Notifications TSC Manager Red Phone Communicator Security Leader Radiation Protection Leader Technical Team Mitigator Technical Leader	Emergency Group Leader Operations Coordinator Emergency Services Coordinator Emergency Planning Coordinator Chemistry Coordinator Maintenance Coordinator Security Coordinator Radiation Protection Coordinator Electrical Technicians (1 Position) I&C Technicians (1 Position) RP Technician (5 Positions) OSC Mechanical Maintenance	JIC Director

TABLE 5-4(a) EMERGENCY RESPONSE ORGANIZATION 90-MINUTE RESPONDERS

Functional Area	Type of Responder	Min. Recalled
Radiological Accident Assessment and Support	Radiation Protection Technician Qualified Personnel	6
Protective Actions (in-plant)	Radiation Protection Technician Qualified Personnel	3
Electrical Maintenance	Electrician Qualified Personnel	1
Instrument and Control	Instrument and Control Qualified Personnel	1

NOTE: 90-minute responders are required for Facility Activation.

TABLE 5-5 ERO ON-SHIFT STAFFING ANALYSIS

Functional Area	Major Tasks	Emergency Positions	Analysis Shift Staffing
1. Plant Operations and Assessment of Operational Aspects	Control Room Staff	Shift Manager (SM) or Assistant	1
		Shift Manager (ASM) or Supervisor Plant Operations	1
		Certified Operator	3
2. Emergency Direction and Control	Command and Control	Shift Manager (SM)/Assistant Shift Manager (ASM)	1 ^(a)
3. Notification & Communication	Licensee Local/ State Federal	Shift Communicator Operations Leader	1 ^(a)
4. Radiological Assessment	Dose Assessment	RP Technician	1
	In-plant Surveys	RP Technician	1
	Onsite Surveys	RP Technician	1
	Offsite Surveys	RP Technician	1
	Chemistry	Chemistry Technician	1
5. Plant System Engineering, Repair, and Corrective Actions	Tech Support Operations Core Damage	Shift Manager (SM)/Assistant Shift Manager (ASM)	1 ^(a)
	Repair and Corrective Actions	Mechanical Maintenance	1
		Electrical Maintenance	1
6. In-Plant Protective Actions	Radiation Protection	I&C Maintenance	1
7. Fire Fighting	--	RP Technician	2 ^(a)
8. 1 st Aid and Rescue	--	Firefighter	5
9. Site Access Control and Accountability	Security & Accountability	Fire Technical Advisor	1 ^(a)
		Firefighter	2 ^(a)
		Security Personnel	(b)
TOTAL:			18

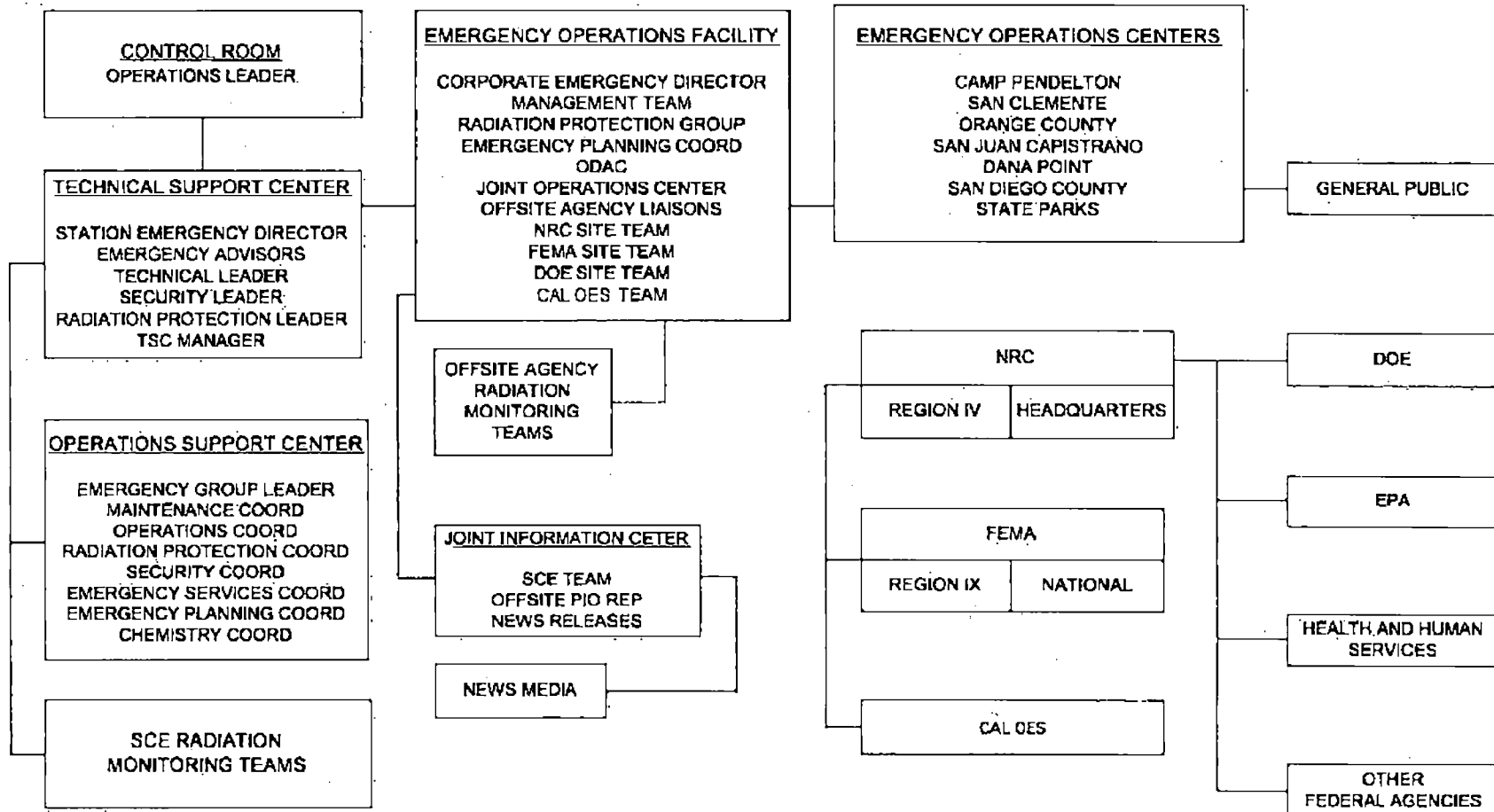
(a) Indicates concurrent or sequential functions performed by existing on-shift minimum staff.

(b) Per SONGS Physical Security Plan.

Reference: SO123-0-A1, Conduct of Operations

EMERGENCY RESPONSE ORGANIZATION

FIGURE 5-1



SECTION 6

EMERGENCY MEASURES

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES

Activation of accident assessment activities is initiated by alarmed instrumentation, and/or through notification to the Control Room by the first individual at the Station to become aware of an apparent emergency condition. At Units 2/3, the Certified Operator promptly notifies the Supervisor who notifies the Shift Manager (SM)/Assistant Shift Manager (ASM), begins assessment activities, and under the direction of the Supervisor begins corrective actions. The Operator assigned to respond to ISFSI, will communicate with the SM and begin assessment activities and corrective actions.

The SM announces the declaration of an Emergency Event and the assumption of the role of Emergency Coordinator (EC) and, if appropriate, determines the necessity to activate the Technical Support Center (TSC) and Operations Support Center (OSC), the Emergency Operations Facility (EOF), and Joint Information Center (JIC) and initiate personnel recall. The SM continues the EC duties until relieved by the Station Emergency Director (SED), or designated alternate, upon activation of the TSC, and ultimately to the Corporate Emergency Director (CED), or designated alternate, upon activation of the EOF. The EC will direct assessment activities, determine the classification of the emergency and announce the event to all onsite emergency response facilities. The EC is responsible for development of protective action recommendations, and notification of offsite agencies. The EC ensures that the condition has been properly evaluated and classified, that appropriate protective actions have been initiated, and activates or deactivates response personnel and organizations as dictated by the situation.

In the event that normal access to San Onofre Nuclear Generating Station (SONGS) should be restricted, due to an earthquake or other emergency situation, emergency response personnel and equipment can be transported to the Station via helicopter. The Southern California Edison (SCE) Company maintains helicopters at Ontario Airport. Provisions have been made for the dedicated use of two helicopters for the transport of emergency response personnel and equipment to SONGS. The EPC at the EOF will coordinate the use of helicopters to support the emergency.

Additionally, the SCE Company owns and operates an extensive fleet of ground transportation vehicles consisting of heavy-duty trucks, equipment, and four-wheel drive vehicles. These would be available to SONGS as needed. Additional assistance is reasonably expected to be available from various governmental agencies.

6.1 ACTIVATION OF EMERGENCY ORGANIZATION

This section describes the provisions for notification and/or activation of the various emergency response groups, as applicable to emergency conditions and classifications. Table 6-1 summarizes the notification and immediate actions of onsite and offsite response organizations for each of the SONGS emergency classifications.

Action levels for response to emergency conditions are described in Section 4 of this Plan.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.1.1 NOTIFICATION OF UNUSUAL EVENT

6.1.1.1 SCE Emergency Response Organization

Onsite emergency response teams most likely to be activated by events of this classification are fire, first aid, security, and/or rescue. The appropriate response teams are assembled and dispatched to the event site by notification over the public address (PA) system and/or by direct communication. In some cases, repair teams are dispatched prior to the classification. Individual assignments (by title) to emergency functions are identified in Table 5-1 of this Plan.

6.1.1.2 Offsite Agencies

Notification of state and local agencies will be performed as described in section 6.1.5.

6.1.2 ALERT

6.1.2.1 SCE Emergency Response Organization

The occurrence of events or accidents leading to the declaration of an Alert requires initiation of the required recall and activation and staffing of the TSC, the OSC, the EOF, and the JIC. The TSC, OSC, and EOF are required to be activated and the JIC Director is required to report to the JIC within 90 minutes following ERO recall. This action is initiated by the EC. Notification, staging, and dispatch of appropriate onsite response teams such as fire fighting, first aid, rescue, onsite radiological monitoring, damage assessment, control, and repair is via the plant PA system and Onsite Emergency Siren System, and/or direct communication, such as telephone.

When conditions causing a breach of plant physical security occur, such as civil disturbance, notification is made to SONGS Security, and response actions are taken in accordance with the Safeguards Contingency Plan.

The EC will ensure that appropriate Emergency Plan Implementing Procedures (EPIPs) and other site procedures are implemented to correct the situation. Implementation of these procedures may be delegated to emergency response personnel.

6.1.2.2 Offsite Agencies

Notification of state and local agencies will be performed as described in section 6.1.5.

For security-related conditions, notification and/or activation of law enforcement authorities shall be made in accordance with the Safeguards Contingency Plan and SONGS Security Procedures.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.1.3 SITE AREA EMERGENCY

6.1.3.1 SCE Emergency Response Organization

Events classified as a Site Area Emergency (SAE) require recall of the Emergency Response Organization (ERO) and activation of the TSC, OSC, EOF and JIC. The TSC, OSC, and EOF are required to be activated and the JIC Director is required to report to the JIC within 90 minutes following ERO recall. Mobilization of appropriate onsite response teams, such as fire fighting, first aid, rescue and damage assessment, control and repair teams, may be required. SCE radiological monitoring teams may be dispatched to perform onsite and offsite monitoring. The EC will ensure that appropriate EPIPs and other site procedures are implemented to mitigate the potential consequences of the emergency. Implementation of these procedures may be delegated to emergency response personnel. Non-emergency response personnel in the Protected Area will be evacuated in accordance with EPIPs.

Notification of affected persons to report to assembly areas is initially made by the PA system. After the PA announcements are made, the onsite evacuation sirens are activated. Emergency response personnel may remain within evacuated areas to perform necessary functions in accordance with EPIPs. Non-emergency response personnel will congregate at designated assembly points and will be evacuated from the Owner Controlled Area (OCA) and the Mesa area (**NOTE:** Personnel will be evacuated only if evacuating does not pose a greater hazard). Personnel may be instructed to remain where they are if it is determined that moving them to a designated assembly point may expose them to a greater hazard.

6.1.3.2 Offsite Agencies

Notification of state and local agencies will be performed as described in section 6.1.5.

The State and County authorities will direct the mobilization of appropriate State and local response organizations to implement emergency actions in accordance with their respective operating procedures.

For security-related conditions, notification and/or activation of law enforcement authorities shall be made in accordance with the Safeguards Contingency Plan and SONGS Security Procedures.

Additionally the following support agencies may be notified by the EOF as appropriate:

- Institute for Nuclear Power Operations (INPO)
- Medical/ Radiation Protection (RP) Support
- Other SCE support contractors
- American Nuclear Insurers (ANI)

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.1.4 GENERAL EMERGENCY

A General Emergency (GE) requires all the activation items given under SAE. Additional items are delineated below:

- Radiological monitoring teams may be dispatched to perform onsite and offsite monitoring.
- Emergency radiological environmental monitoring will be instituted.
- Additional offsite emergency response agencies which may be activated include:
 - Westinghouse Electric Company
 - Bechtel Corporation
 - Institute for Nuclear Power Operations (INPO)
 - Radiation Management Consultants (RMC) (Medical/RP Support)
 - Other SCE support contractors
 - American Nuclear Insurers
 - State and local response agencies will implement emergency actions in accordance with their respective operating procedures. These actions may include evacuation and/or sheltering for offsite populations, as well as control of milk, food, and drinking water to limit possible exposure via the food chain.
- Backup radiological monitoring assistance for a GE may be provided through the U.S. Department of Energy in Las Vegas, Nev. Requests for assistance may be made by telephone through the U. S. Nuclear Regulatory Commission (NRC).

6.1.5 INITIAL NOTIFICATION

Initial contact with offsite authorities is generally made to a dispatcher, communications operator, or other similarly qualified individual. Event notification will also be made to all primary response jurisdictions via the Yellow Phone System (YPS). To facilitate notification, an Event Notification Form (ENF) has been developed in cooperation with offsite agencies.

Copies of this form are in the TSC, EOF, and near the offsite agency Yellow Phone stations. The form contains pre-worded information and blanks for incident-specific data. Additionally, the form provides information on the class of emergency, whether a radiological release has taken place, potentially affected areas, and protective action recommendations, as appropriate to the emergency class.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

Upon declaration of an emergency, the EC will direct the Shift Communicator, or designee, to contact the offsite agencies listed below using the YPS.

- Orange County
- San Diego County
- City of Dana Point
- City of San Juan Capistrano
- City of San Clemente
- Marine Corps Base, Camp Pendleton
- California Highway Patrol
- California State Parks

In addition to the offsite agencies listed above, SCE's Generation Operation Center is notified via the YPS.

The California State Parks, and the cities of Dana Point, San Juan Capistrano, and San Clemente are not staffed 24 hours a day; alternate means of notification to these three agencies are described in Table 5-3.

The initial notification consists of a verbal message and a printed copy of the information provided verbally. The verbal message will commence within 15 minutes after the event declaration. The printed copy of the verbal message will be faxed to the agencies listed above within about 30 minutes of event declaration.

The EC will direct the Shift Communicator, or designee, to notify CAL OES using either a dedicated line (Blue Phone) or telephone company circuits. The initial message will commence within 15 minutes of event declaration.

The EC will direct a licensed operator or designee to notify the NRC in accordance with 10CFR50.72, "Notification of Significant Events," which requires NRC notification to commence immediately after notification of the state and offsite agencies and no later than within one hour using the Emergency Notification System (ENS).

Upon receipt of an event notification, the individual contacted at each agency notifies the director of that agency, or other designated personnel, and provides the event notification message.

The SONGS Manual of Emergency Events (MOEE) is used to assist primary offsite agencies with interpretation of the Site condition. The initiating conditions are keyed to the emergency classes of the Station EPIPs.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.1.6 FOLLOW-UP NOTIFICATION

Follow-up messages will be faxed. Follow-up calls will also be made to each of the lead agencies notified initially and periodically as changing conditions warrant throughout the duration of the emergency.

Follow-up messages serve two purposes: the first is to provide hard copy technical information directly to those individuals knowledgeable in the use of the data; and the second is to provide additional information concerning onsite conditions which is necessary for accident assessment and recommended offsite protective actions.

Following activation of the EOF, technical information will be provided directly to State, local and Federal liaison personnel at the EOF. Should it become necessary to escalate an emergency classification, the ENF will be used to notify offsite agencies.

6.2 ASSESSMENT ACTIONS

Provisions are made in this Plan for initial assessment and continuing reassessment throughout the course of an emergency to ensure effective coordination, direction, and upgrading of emergency activities in a timely manner. Assessment activities are described in detail in EIPs and Offsite Dose Assessment Center (ODAC) procedures. Each of these procedures is designed to guide the actions of personnel in emergency responses.

EIPs and ODAC Procedures provide detail for performing monitoring and dose assessment activities. These procedures are supported by Chemistry and RP Procedures which describe use of instrumentation and provide survey routes and analysis methods.

Table 5-2 of the Emergency Plan identifies those personnel who will comprise monitoring teams during normal working hours and on backshifts. The monitoring teams will be comprised of individuals trained to perform radiological monitoring. At least one monitoring team can be dispatched at all times, with additional teams drawn from off-duty personnel who are called in. Monitoring personnel onsite are notified by the Station PA System, radio or phone. Off-duty Station personnel are called in by means of recall system or the telephone.

Monitoring team personnel are trained in accordance with Table 8-1. The composition of the monitoring teams and their participation in training and in periodic drills and exercises as described in Section 8.1 provide a sufficient level of expertise. The RP Manager or designee is the RP Leader during an emergency. This is normally the individual having the requisite experience and education specified for the RP Manager as described in Regulatory Guide 1.8. The RP Leader (or designated alternate) will direct the OSC to dispatch monitoring teams. The RP Leader will receive the incoming data from the OSC.

Offsite monitoring teams will utilize SCE company vehicles, which are readily available onsite, and will maintain communications with the Station via portable radio transceivers, transceivers installed in the vehicle, or by telephone. Private vehicles may be used to augment company vehicles as necessary.

The assessment functions, including identification of methodology and techniques for each emergency class, are summarized below.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.2.1 NOTIFICATION OF UNUSUAL EVENT

- The instrumentation and other mechanisms used for accident assessment are periodically reviewed during the course of an emergency to ensure continued awareness of the magnitude of the conditions, and effective, timely coordination of the various elements of the ERO.
- Routine surveillance and documentation of Site radiation and contamination levels ensure that operations and emergency response personnel are aware of Site radiological conditions which could have significant bearing on actions taken during this class of event.

6.2.2 ALERT

- The instrumentation and other mechanisms used for accident assessment are periodically reviewed during the course of an emergency to ensure continued awareness of the magnitude of the conditions, and effective, timely coordination of the various elements of the ERO.
- Routine surveillance and documentation of Site radiation and contamination levels ensure that operations and emergency response personnel are aware of Site radiological conditions which could have significant bearing on actions taken during this class of event.
- *The impact of a situation involving a release of radioactive material is continually assessed using offsite dose projection techniques.*
- Onsite radiation, contamination, and airborne surveys for radioactivity are performed as appropriate. Offsite airborne surveys will be performed in all cases involving airborne radioactivity releases.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.2.3 SITE AREA EMERGENCY AND GENERAL EMERGENCY

- The instrumentation and other mechanisms used for identifying a SAE and a GE are periodically reviewed during the course of an emergency to ensure continued awareness of the magnitude of the conditions, and effective, timely coordination of the various elements of the ERO.
- Routine surveillance and documentation of Site radiation and contamination levels ensure that operations and emergency response personnel are aware of Site radiological conditions which could have significant bearing on actions taken during this class of event.
- The impact of a situation involving a release of radioactive material is continually assessed using offsite dose projection techniques.
- Onsite radiation, contamination, and airborne surveys for radioactivity are performed as appropriate.
- Radiological monitoring teams are dispatched, as appropriate, for radiation measurements and sample collection at onsite/offsite locations, as appropriate. Provision is made for radioactivity analysis and assessment in the field, in the Site laboratory, or at the facilities of an offsite contractor.
- Data and information pertinent to the emergency, from both onsite and offsite sources, are submitted to the TSC staff and the EOF staff for review and assessment to aid in direction, coordination, and recommendation of appropriate responses.
- Personnel are assigned specific record keeping duties to ensure that accurate records are obtained. These records allow later reassessment of conditions which existed and ensure that responses to the situation were appropriate.
- Assigned SCE staff compile and evaluate applicable data, and prepare a comprehensive report which details and assesses the emergency.

6.2.4 PLANT SYSTEM STATUS

Process and effluent parameter monitoring instrumentation is installed to identify that an off-normal condition exists, to determine the extent and nature of the off-normal condition, to assess the radioactivity in effluent paths, and to determine the effectiveness of corrective and mitigative measures. This equipment is described in the Units 2 and 3 Updated Final Safety Analysis Report (UFSAR).

The SMs primary responsibility for monitoring and assessing plant systems status, reporting such status to Station Management and taking appropriate corrective action in a timely manner.

When activated, the TSC staff will advise the Operations Leader in performing accident assessment activities and in recommending corrective actions to place the plant in a safe configuration and to mitigate the consequences of the event. The TSC staff has access to all plant parameter indications by virtue of communications with the Control Room and for Units 2/3, data displays in the TSC.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.2.5 DOSE PROJECTION

Provision has been made for the assessment and evaluation of offsite radiation doses which are a consequence of an accidental release of radioactive material from SONGS. Necessary radiological, process, and meteorological instrumentation to support this assessment activity has been provided in the Control Room, the TSC, and the EOF. This instrumentation is described in Section 7 of this Plan.

A dose projection methodology has been developed and implemented for airborne releases under a wide range of circumstances. EIPs provide detailed instructions to TSC and EOF personnel in the use of this methodology. This may be accomplished either by the RP computer system or by hand calculation.

Following activation of the TSC, dose projection activities are performed by personnel designated by the RP Leader. Following activation of the EOF, dose projection activities are forwarded to the EOF. The EOF RP personnel in turn will develop a potential dose projection to support protective action recommendations as required. An independent dose calculation is performed by ODAC.

6.2.6 RADIOLOGICAL MONITORING

Radiological monitoring following a release of radioactive materials to the environment will be performed. This includes actions such as dose rate surveys, sampling and analysis of airborne and liquid activity, both onsite and offsite.

RP Procedures provide detail to TSC, OSC, EOF, and monitoring team personnel in the performance of radiological monitoring. The environmental monitoring program procedures identify the location of environmental monitors, the sampling techniques and analysis methods to be used.

SONGS will dispatch qualified monitoring personnel for the initial onsite and/or offsite emergency radiological monitoring.

Radiological monitoring systems and methods for performing radiological monitoring are discussed below.

6.2.6.1 In-Plant Radiological Surveys

Procedures for performing routine and emergency radiological surveys, and the use of survey equipment, are described in detail by the SONGS RP procedures.

6.2.6.2 Onsite Radiological Monitoring

Radiological monitoring systems have been engineered to monitor radioactivity levels in all important process and effluent points and are described in the SONGS Units 2&3 Updated FSAR.

In the event of an accidental radioactivity release to the environment, one or more onsite radiation monitoring teams may be dispatched to assess radiological conditions onsite and at the site boundary, in order to verify dose projection results which determine the need for protective actions.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.2.6.3 Offsite Radiological Monitoring

In the event that dose projection results or onsite monitoring results indicate the potential for radioactivity release with offsite dose consequences, SCE offsite radiation monitoring teams will be dispatched. Initially, at least one monitoring team will be sent in the direction of the plume movement over land. The onsite monitoring team(s) may assist in the offsite monitoring at the discretion of the TSC RP Leader.

SCE offsite monitoring team personnel take direct radiation readings and obtain air samples for analysis of airborne radioactivity. Air sample media are field-checked and significant results reported to the TSC RP Leader. Sample media are returned to the Site or to other designated locations for laboratory analysis. Monitoring data is compared to the results of dose projections to adjust preliminary assessments and protective action recommendations.

6.2.7 POST EARTHQUAKE DAMAGE ASSESSMENT

6.2.7.1 Evacuation Routes

In the event of a major earthquake, the California Department of Transportation (Caltrans) will respond; provide inspection and assessment of key highway structures. Determination of any structural damage that may in some way affect an orderly evacuation of local populations in the event of an emergency will be made by Caltrans personnel. Caltrans has organized response teams which, in the event of an earthquake will be immediately assigned to assess any highway structural damage and evaluate the road carrying capability of the blocked highway or damage structure. Caltrans has access to a helicopter which may be designated for this use. In the event of a major earthquake the response team should be able to inspect, by air, key structures critical to certain representative evacuation scenarios and report their findings to the warning center of CAL OES.

6.2.7.2 Communications

Procedures are in effect that require Station operators to notify offsite emergency response agencies of any classified emergency including an earthquake. The functional status of the communications facilities is verified during these notifications.

6.3 PROTECTIVE ACTIONS

Protective actions are measures which are implemented to prevent or mitigate potential adverse consequences to individuals during or after a radiological incident. Protective actions within the SONGS site boundary are the responsibility of the EC, but may include assistance from offsite agencies or organizations. Protective actions outside the SONGS site boundary are the responsibility of the local jurisdictions. The EC is responsible for formulating and transmitting protective action recommendations to local jurisdictions.

These Protective Action Recommendations (PARs) may be modified by the EC when information regarding offsite condition (traffic, weather, etc.) or radiological conditions (release parameters, etc.), which could affect the value of the PAR are known and can be evaluated.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.3.1 ONSITE PROTECTIVE ACTIONS

The primary protective measure for onsite personnel in an emergency is prompt evacuation from areas which may be affected by security-related hazards, significant radiation, contamination, or airborne radioactivity. Other onsite protective measures may involve direction for personnel to take cover, seek shelter, assemble, or perform accountability. Direction for personnel to take cover or seek shelter may occur as a result of security-related hazards. The protective measure to take cover may occur in the event of an attack on the site. Site personnel would be notified to take cover, get down and stay down until informed otherwise. This protective action supports the site Security response to an attack event. The direction for site personnel to seek shelter may occur in the event of an aircraft attack. Under these conditions, plant personnel would be notified to seek shelter in concrete reinforced locations until informed otherwise. Remaining protective measures are discussed below.

Respiratory protective equipment and protective clothing are provided in adequate quantities within the plant and in various emergency equipment kits for personnel who may be required to perform emergency activities. Control of in-plant contamination is in accordance with RP Procedures. In the event of radioactive contamination outside fenced security areas, but within the exclusion area, access to such areas shall be controlled by SCE RP personnel.

No potentially affected agricultural crops or drinking water supplies are located within the SONGS site boundary. A description of onsite evacuation categories follows:

6.3.1.1 Local Area Evacuation

This category refers to evacuation of localized areas within the plant. Evacuation of personnel from localized areas may be caused by security events, fire, smoke, toxic gas, or radiation, and is usually initiated primarily by alarms from local Area Radiation Monitors (ARMS). The alarm setpoints are based on normal levels of radiation and airborne radioactivity and expected fluctuations within the specific areas.

The immediate response by individuals in the vicinity of such an alarm is evacuation to an unaffected area, probably within the same building, but away from the localized condition. In the absence of readily available radiological surveillance information or other logical assessment conditions, those individuals will evacuate to an unaffected area. Applicable instructions to personnel, based on evaluation of Control Room instrumentation or other supporting information, may be transmitted over the plant PA system.

Strategic location of the ARMS and the requirement for immediate evacuation in response to alarms from these monitors provides reasonable assurance that radiological consequences of a localized incident are minimized. Frequent radiological surveys throughout the station provide continuing verification of levels indicated by ARMS. These surveys, as well as any other detection

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6.0 EMERGENCY MEASURES (Continued)

method, can also serve to initiate the evacuation of personnel for conditions which may not otherwise be identified by ARMs.

6.3.1.2 Site Assembly

This category refers to evacuation of larger areas than would be required for Local Area Evacuation. Site Assembly requires that all non-emergency response personnel on site assemble at designated Assembly Areas. During such evacuations, the Security Force shall maintain the appropriate security posture as defined by the SONGS Security Plan, the Safeguards Contingency Plan, and the EIPs. SONGS Security will provide accountability within the protected area.

Site Assembly is initiated following declaration of a SAE or a GE unless it exposes plant personnel to a greater hazard. Notification for personnel to proceed with a Site Assembly will be announced over the plant PA system followed by the Onsite Evacuation Sirens and additional PA announcements. Normally all emergency response personnel will report to the Emergency Response Facilities (ERF), and all non-emergency response personnel on site will report to an Assembly Area. Under security-related events, emergency response personnel not affected by take cover or shelter protective actions may report to alternate ERF.

The decision to initiate a precautionary Site Assembly is the responsibility of the EC/SED. This decision is based principally on the EC evaluation and judgment of the type, magnitude and severity of the situation on a case by case basis. Factors to be considered must include the level of radiation exposure or other physical hazards to plant personnel which may result from a Site Assembly. In the event of a security emergency or a localized fire within the Protected Area, the EC may deem it prudent not to evacuate the Protected Area, but perform local area evacuation.

6.3.1.3 Accountability

Accountability of Site personnel, visitors, and contractor personnel is conducted as personnel leave the Protected Area. Accountability of personnel will be performed in accordance with EIPs and the results transmitted to the EC/SED, as appropriate.

6.3.1.4 Site Evacuation

Site Evacuation requires that all non-emergency response personnel within the SONGS OCA and the Mesa Area evacuate the site and proceed as directed by the EC. The initiation of a site evacuation is mandatory following a SAE (after site assembly) unless it exposes plant personnel to a greater hazard.

The decision to initiate a precautionary Site Evacuation is the responsibility of the EC, normally the CED. This decision is based on the type, magnitude and severity of the incident, the likelihood of escalation, the security risk to personnel and the radiation and airborne radioactivity levels throughout the Station, particularly at the Assembly Areas. Assembly Area dose rates and airborne

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

concentrations are determined by use of portable radiation survey meters and air sample collection devices.

Guidance is provided for Site Evacuation implementation in Table 6-2, "Guidance for Evacuation of Non-Emergency Response Personnel." Notification of a Site Evacuation is accomplished by announcements over the plant PA system, followed by sounding the onsite evacuation siren and additional PA announcements.

6.3.1.5 Contamination Control

The SONGS RP Procedures contain provisions governing the control of contamination including access control, use of protective clothing, contamination monitoring, and the release of potentially contaminated items from controlled areas. The requirements and guidelines of these documents shall apply to contamination control during emergency conditions. EIPs provide the interface between the RP Procedures and the Emergency Plan. EIPs authorize the EC or RP Leader to waive or modify certain normal contamination control methods if other conditions, such as delaying necessary evacuations, personnel rescue, or delaying access to necessary plant equipment, would create a greater personnel or public hazard.

In the event that offsite treatment of SCE or SCE contract personnel involving a contaminated injury is required, an individual trained to perform radiological surveys shall accompany the ambulance to the treatment facility to provide continuing assessment of radiological conditions.

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6.0 EMERGENCY MEASURES (Continued)

6.3.1.6 Exposure Control

The exposure of Station personnel during emergency operations shall be maintained As Low As Reasonably Achievable (ALARA), and shall be maintained within the emergency exposure criteria set forth in this plan. In order to accomplish this objective, administrative means used during normal operations to minimize personnel exposure (such as radiation exposure permits, radiation clearance, and ALARA measures) shall remain in force to the extent consistent with timely implementation of emergency measures.

If necessary operations require personnel exposures in excess of the 10CFR20 limits, or if normal access control and radiological work practices will result in unacceptable delays, the EC or SED may waive or modify the established exposure control criteria and methods. 10CFR20, "Planned Special Exposures" will not be used for emergency response. EIPs provide direction for expeditious decision making and a reasonable consideration of relative risks.

Guidelines utilized by EC or SED shall include, but not necessarily be limited to:

- Emergency personnel should be volunteers and familiar with the consequences of exposures.
- Declared pregnant women should not take part in these actions.
- Other considerations being equal, volunteers above the age of 45 should be selected.
- Internal exposure shall be minimized by using the best available respiratory protection and contamination shall be controlled by using available protective clothing.

Table 6-3 summarizes the emergency exposure criteria for entry or reentry into areas for the purposes of undertaking protective or corrective actions. Two classifications of emergency exposure are identified: lifesaving actions and protection of large populations or protection of valuable property. Lifesaving actions and protection of large populations include actions such as rescue, first aid, personnel decontamination, medical transport, and medical treatment services, when such actions are immediately necessary to save a life. Protection of valuable property includes surveillance actions and plant operations necessary to minimize further deterioration of the level of plant safety or to mitigate the consequences of the accident, if failure to perform these actions could result in a significant increase in offsite exposures. Personnel exposures received performing emergency measures, other than those identified above, shall be in accordance with SONGS administrative controls.

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6.0 EMERGENCY MEASURES (Continued)

Dosimetry equipment which is provided as part of the RP Program will be used during emergency situations. RP Procedures provide guidelines and procedures for issuing, using, and reading/processing dosimetry devices and provisions for exposure record keeping.

SONGS RP Procedures contain provisions for administration of the facility bioassay program. They provide guidance for accelerated or additional bioassays in the event there are individuals who are suspected of being exposed to elevated levels of airborne activity. These procedures also provide for follow-up monitoring, medical treatment, and incident reporting.

6.3.1.7 Respiratory Protection

The SONGS Respiratory Protection Program includes provisions governing the use of respiratory protection equipment and administration of the SONGS respiratory protection program, which is responsive to Regulatory Guide 8.15 and NUREG-0041. The provisions of this document and supporting procedures shall apply to all usage of respiratory protection equipment during emergency conditions.

Two exceptions to normal respiratory protection practices may be instituted by the Emergency Coordinator, with the advice of the RP Leader, in accordance with the provisions of EPIPs. These exceptions are as follows:

- Extension of normal uptake limits. Provision is made for exposure above 10CFR20 limits. Under these provisions, internal exposure is controlled so that the Total Effective Dose Equivalent (TEDE) due to internal and external exposure, does not exceed the emergency exposure limits established in Table 6-3.
- Use of Thyroid Prophylaxis. Potassium Iodide (KI) is available for use by emergency response personnel in the event of an emergency. The EPIPs delineate proper procedures for determining when KI should be administered, obtaining medical department approval, and how it shall be administered to employees and support personnel at SONGS.

6.3.2 OFFSITE PROTECTIVE ACTIONS

Radiological emergency response plans are in effect to protect the public against: (1) exposure to radiation associated with plume passage within the plume exposure pathway Emergency Planning Zone (EPZ); (2) exposure to radiation associated with deposited radioactive material within the 50 mile ingestion pathway EPZ.

The role of the SONGS in offsite protective actions includes: the notification of cognizant officials, performing offsite dose assessment, apprising the offsite agencies of plant and radiological release status, and making recommendations for offsite protective actions. The role of the State and local governments is to act upon all available information including recommendations provided by the Station and to perform emergency measures necessary for the protection of the public.

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6.0 EMERGENCY MEASURES (Continued)

Evaluation of information obtained from SONGS and other sources and for initiating protective actions is the responsibility of the primary response agencies. Actions taken, based on available data, local constraints, and other considerations may include:

- Sheltering for affected populations
- Evacuation of selected areas
- Control of contaminated agricultural products and animal feed crops
- Ingest Potassium Iodide within the EPZ Boundary

The primary offsite response agencies for responding to radiological emergencies in the vicinity of SONGS are Orange County, San Diego County Camp Pendleton Marine Corps Base, the California State Parks, the City of San Clemente, the City of Dana Point and the City of San Juan Capistrano. These primary response agencies will initiate appropriate actions in accordance with their respective emergency plans. Their detailed plans and capability for implementing protective actions include:

- Direction and control of the emergency response effort
- Prompt alerting and notification to the population within the Plume Exposure Pathway EPZ
- Radiation monitoring and dose assessment
- Determination of appropriate protective actions for the general public
- Activation of reception centers for evacuees
- Coordination of local actions with other offsite jurisdictions

The plume exposure pathway EPZ is broken into 5 Protective Action Zones (PAZs). Occupants within these PAZs are provided with information regarding emergency planning. This information describes the method by which they will be notified of an emergency and provides specific instructions to be followed upon receipt of such notification. Refer to the map found in Figure 6-1 of this section of the Emergency Plan and to Emergency Plan Implementing Procedure (EPIP) SO123-VIII-10.3, Protective Action Recommendations, for information concerning the specific PAR process.

6.3.2.1 Protective Action Guides and Recommendation of Protective Actions

Protective action guides (PAGs) are the projected radiological dose, or dose commitment, to individuals in the general public which warrant protective action following a significant release of radioactive material. PAGs have been established in the Orange County Nuclear Power Plant Emergency Response Plan and the EPA Manual of Protective Action Guides. (Refer to EPIP SO123-VIII-10.3.)

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6.0 EMERGENCY MEASURES (Continued)

Offsite agencies responsible for implementing protective actions for the public will assign protective actions based on their evaluation of the SONGS recommendation.

The role of SONGS in offsite protective actions is to provide offsite agencies with timely notifications of emergencies, appropriate recommendations for protective actions, appropriate accident assessment data, and data from offsite monitoring performed by SONGS personnel in the event of a release; to maintain the Community Alert Siren System; to maintain the YPS; and to assist local officials with pre-incident public information programs.

Following a major earthquake the station operators will perform, in accordance with established procedures, specific actions to verify plant status and ensure that no abnormal plant conditions exist. Information on road conditions will become available to the CED from the California Highway Patrol, or Caltrans response teams, as they conduct inspections of overpasses, bridges and roadway surfaces required for EPZ evacuation. Personnel reporting to the station will provide additional information on road conditions. Thus, the recommendations of the CED for offsite protective actions will reflect consideration of post-earthquake damage which is identified. Reliance on alternate communication links may be necessary, and alternate evacuation routes or sheltering may be recommended to achieve the emergency planning objective of realizing dose savings.

6.3.2.2 Beach Evacuation

A beach evacuation (the State Beach immediately adjacent to SONGS located in PAZ 1) will be recommended by SONGS for an Alert based on a Security Code Red event or with an event related radiological release. For a SAE or a GE, a beach evacuation recommendation is mandatory. Marine Corps Base personnel and California State Parks personnel will ensure that the area is evacuated.

A beach evacuation will be accompanied by activation of the SONGS onsite sirens followed by PA announcements over the Perimeter Public Address System in accordance with EPIPs. This PA system is capable of transmitting a clearly audible message throughout the near-site Beach Area.

6.3.2.3 Community Alert and Notification System

The physical and administrative means for alerting and warning the population of an incident at SONGS has been provided. This system involves alerting the population via the Community Alert Siren System. In accordance with instructions provided during periodic public information programs (See Section 8 of this Plan), the alerted population will turn to pre-designated radio and television stations for emergency information and instructions. The design objective of this system is to have the capability to essentially complete the initial notification of the public in the plume exposure pathway EPZ within 15 minutes of a decision by offsite decision makers to implement a protective action.

The hardware of the Community Alert Siren System consists of fixed outdoor sirens located within the plume exposure EPZ. These sirens are maintained by

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

the SCE Company. The sirens will be activated remotely from control panels in corresponding jurisdictions.

The responsibility for activation of the Community Alert Siren System rests with the organization designated in the emergency response plan of each of the jurisdictions. These organizations will activate their respective portions of the warning system and supply appropriate emergency messages to the Emergency Alert System (EAS) station or other radio station serving their jurisdiction in accordance with the provisions of their emergency response plans. Information for these emergency messages will be provided from SONGS in the form of the event and follow-up notifications described in Sections 6.1.5 and 6.1.6.

6.4 AID TO AFFECTED PERSONNEL

EIPs and Site Procedures are established which provide for control of emergency exposure, personnel contamination, and for assistance to injured persons, including situations involving complications due to the presence of radiation or radioactive contamination.

6.4.1 EMERGENCY EXPOSURE

All reasonable measures shall be taken to maintain the radiation exposure of emergency response personnel who provide rescue, first aid, decontamination, ambulance or medical treatment services to within applicable annual limits specified in 10CFR20. Table 6-3 summarizes the emergency exposure criteria for entry or re-entry into areas for purposes of undertaking protective or corrective actions such as firefighting, minimizing damage to facilities, reducing the release of effluents, and for carrying out lifesaving activities. Methods and conditions for permitting volunteers to receive emergency radiation exposures are described in EIPs and provide for expeditious decisions with consideration to known and reasonable balances of associated risks. The SED or SM as the EC may authorize in writing emergency response personnel onsite to receive an exposure in excess of 10CFR20 limits.

6.4.2 DECONTAMINATION AND FIRST AID

Personnel contamination in emergency situations will be controlled by the normal methods of using protective clothing and surveying for contamination following the removal of such clothing. Personnel decontamination areas, consisting of showers and sinks, are available for either routine or emergency use. Decontamination will be performed under the direction of RP personnel. Detailed methods for personnel decontamination are described in RP Procedures. Decontamination equipment is located at the personnel decontamination areas in the plant and at the EOF.

Firefighters qualified as Emergency Medical Technicians (EMTs) will be onsite at all times. First aid to injured personnel can normally be performed in conjunction with any necessary decontamination methods. However, if immediate treatment of the injury is vital, that treatment will take precedence over decontamination. This philosophy also extends to offsite emergency assistance involving radioactive contamination.

SONGS EMERGENCY PLAN

6.0 EMERGENCY MEASURES (Continued)

6.4.3 MEDICAL TRANSPORTATION

SCE has an ambulance with certified ambulance attendants onsite 24 hours per day, 7 days per week. This ambulance will transport to local hospitals any onsite personnel, who may have injuries complicated by radioactive contamination. Backup arrangements have been made with Air Methods.

6.4.4 MEDICAL TREATMENT

Arrangements have been made for medical treatment of patients who have injuries complicated by the presence of radioactive contamination and are unable to be treated by the SONGS Medical Staff. Arrangements exist at the locations described in Section 5.3.3, Local Services Support, of this Plan.

Additional arrangements have been made with several physicians in Orange County to provide consultation services and assistance to SCE in the treatment of radiation overexposures or injuries complicated by radioactive contamination (See Appendix A).

6.5 EMERGENCY PUBLIC INFORMATION (POST-ACCIDENT)

SCE respects the public's right to information about its operations and services and, in particular, to information regarding accidents and unplanned events which occur at Company facilities, including SONGS. This policy is the basis on which a public information plan for nuclear emergencies has been developed. The public information plan is a joint effort between SCE and the primary offsite agencies. Offsite plans and the Offsite Emergency Planning Order describe the objectives, responsibilities, procedures, facilities, and protocol for emergency public information.

The Sr. Vice President, Chief Nuclear Officer, or the designated alternate, shall be the official Company Spokesperson for news media communications in the San Onofre area. When the JIC is activated, and in the absence of the Sr. Vice President, Chief Nuclear Officer, normally the JIC Director serves as the official Company Spokesperson. The official Company Spokesperson shall be advised by the CED or the designated alternate in communicating with the news media and handling public inquiries.

The Manager of Nuclear Communications, or designee, will coordinate the preparation and dissemination of timely and accurate news releases, and will provide liaison with the EOF. When the JIC is activated, interface with the news media will primarily occur at the JIC. Responsibilities of the JIC staff include:

1. Preparation and dissemination of factual and timely information for the news media and general public.
2. Establishing contact with the news media covering the event and assisting them in obtaining factual information.
3. Coordinating with other agency public information officers to exchange public information necessary for the conduct of their respective duties.

For Notification Of Unusual Event (NOUE) emergency classifications, press releases and other media relations will be handled by Corporate Communications personnel at Corporate Headquarters or by Nuclear Communications personnel at San Onofre. For an Alert, SAE or GE, the JIC will be activated.

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6.0 EMERGENCY MEASURES (Continued)

At the JIC, announcements to offsite groups will be made to assure consistency of information and to avert news leaks, sensationalism and misinterpretation.

As part of the public information plan, the SCE customer services organization provides telephone contact personnel to handle incoming calls from the media and general public during an emergency. This contact is in addition to rumor control programs established by the various local jurisdictions within the plume exposure EPZ.

TABLE 6-1 SUMMARY OF IMMEDIATE NOTIFICATION AND RESPONSE

Emergency Class	Criteria	Immediate Notifications		Immediate Actions	
		Onsite	Offsite	Onsite Personnel	Offsite Personnel
Notification Of Unusual Event	Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs.	<ul style="list-style-type: none"> • Appropriate ERO personnel • PA Announcement (optional) 	<ul style="list-style-type: none"> • Appropriate local assistance • Nuclear Regulatory Commission • SCE Headquarters • CAL OES • Orange County Department of Health • San Diego County ODP • City of Dana Point • City of San Clemente • City of San Juan Capistrano • Marine Corps Base, Camp Pendleton • California Highway Patrol • California State Parks 	<ul style="list-style-type: none"> • Fire fighting • Perform emergency repairs • Designated surveillance functions • Administer first aid • Conduct rescue operations • Onsite monitoring • Appropriate security measures • Perform continuing assessment 	<p>As May Be Required:</p> <ul style="list-style-type: none"> • Provide fire-fighting assistance • Assist in rescue operations • Provide medical transportation • Provide hospital medical treatment • Assist in damage control
Alert	Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.	<ul style="list-style-type: none"> • All onsite personnel 	<ul style="list-style-type: none"> • Appropriate local assistance • Nuclear Regulatory Commission • SCE Headquarters • CAL OES • Orange County Department of Health • San Diego County ODP • City of Dana Point • City of San Clemente • City of San Juan Capistrano • Marine Corps Base, Camp Pendleton • California Highway Patrol • California State Parks 	<ul style="list-style-type: none"> • All of the above • Activate TSC and OSC, EOF and JIC • Offsite monitoring • Offsite dose projections (until this function is transferred to the EOF) • Perform continuing assessment (until this function is transferred to the EOF) 	<ul style="list-style-type: none"> • Provide onsite assistance as requested • Activate EOF • Alert key personnel to standby • Conduct confirmatory dose projections • Maintain emergency communications

TABLE 6-1 SUMMARY OF IMMEDIATE NOTIFICATION AND RESPONSE (Cont.)

Emergency Class	Criteria	Immediate Notifications		Immediate Actions	
		Onsite	Offsite	Onsite Personnel	Offsite Personnel
Site Area Emergency	Events are in progress or have occurred which involve an actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.	<ul style="list-style-type: none"> • All onsite personnel 	<ul style="list-style-type: none"> • Appropriate local assistance • Nuclear Regulatory Commission • SCE Headquarters • CAL OES • Orange County Department of Health • San Diego County ODP • City of Dana Point • City of San Clemente • City of San Juan Capistrano • Marine Corps Base, Camp Pendleton • California Highway Patrol • California State Parks 	<ul style="list-style-type: none"> • All of the above • Personnel evacuate plant area and go to assembly areas • Take appropriate action • Augment resources • Personnel evacuation as appropriate • Recommend offsite protective actions 	<ul style="list-style-type: none"> • Provide onsite assistance as requested • Activate EOF/JIC • Activate and staff response centers • Mobilize emergency response personnel • Continuously evaluate dose projections • Place public notification system and procedures on standby status • Implement appropriate offsite protective actions as necessary • Maintain emergency communications • Assess need for offsite protective actions

TABLE 6-1 SUMMARY OF IMMEDIATE NOTIFICATION AND RESPONSE (Cont.)

Emergency Class	Criteria	Immediate Notifications		Immediate Actions	
		Onsite	Offsite	Onsite Personnel	Offsite Personnel
General Emergency	Events are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area.	<ul style="list-style-type: none"> • All onsite personnel 	<ul style="list-style-type: none"> • Appropriate local assistance • Nuclear Regulatory Commission • SCE Headquarters • CAL OES • Orange County Department of Health • San Diego County ODP • City of Dana Point • City of San Clemente • City of San Juan Capistrano • Marine Corps Base, Camp Pendleton • California Highway Patrol • California State Parks 	<ul style="list-style-type: none"> • All of the above 	<ul style="list-style-type: none"> • Provide onsite assistance as requested • Activate EOF/JIC • Full staff response centers • Mobilize emergency response personnel • Implement public notifications procedures • Continuously evaluate dose projections • Assess need for extent of offsite protective actions • Implement appropriate offsite protective actions • Maintain emergency communications

TABLE 6-2 GUIDANCE FOR EVACUATION OF NON-EMERGENCY RESPONSE PERSONNEL

Dose limit (mrem)	Recommendation
≥ 170 mrem Total Effective Dose Equivalent or ≥ 170 mrem Thyroid Committed Dose Equivalent	Evacuation

Note:

The decision to evacuate must include the following considerations.

1. Whether or not the emergency can be mitigated prior to dose level being reached.
2. If personnel involved are not immediately essential for handling the emergency, they should be evacuated as soon as possible. This will prevent giving unnecessary doses to personnel who may be needed for assistance later in the emergency.
3. Any time personnel are to be evacuated, the dose expected during evacuation must be weighed against the dose expected if the person is not evacuated. (In some cases, evacuation may give personnel a higher dose).
4. Any time personnel are to be evacuated, the hazards associated with evacuation during a security condition must be weighed against the hazards associated with personnel remaining stationary. (In some cases, evacuation may pose greater hazards).

TABLE 6-3 EMERGENCY RADIATION EXPOSURE CRITERIA

Emergency Exposure Criteria		
Total Effective Dose Equivalent Limit ^a	Activity	Condition
10 Rem	Protecting Valuable Property ^b	Lower doses not practicable
25 Rem	Life saving or protection of large populations	Lower doses not practicable
>25 Rem	Life saving or protection of large populations	Only on a voluntary basis to persons fully aware of the risks involved

- a The TEDE is the sum of the Deep Dose Equivalent (DDE) and Committed Effective Dose Equivalent (CEDE).
- b Entry to hazardous area to protect facilities, eliminate further escape of effluents, or to control fires.
- c Search and removal of injured persons or entry to prevent conditions that would probably injure numbers of people.

NOTES:

1. Persons performing planned actions/rescues must be familiar with the health consequences of anticipated exposures of this magnitude.
2. TEDE exposures shall be minimized by use of respiratory protective equipment and/or potassium iodide, as appropriate; skin contamination shall be controlled by the use of protective apparel.
3. Personnel exposures approaching a significant fraction of these limits should be limited to once in a lifetime.
4. Persons receiving a significant fraction of the limits listed above under lifesaving actions should avoid procreation for a period of several months following the exposure.

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SECTION 7

EMERGENCY FACILITIES AND EQUIPMENT

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT

Emergency facilities and equipment are provided to ensure the capability for prompt, efficient assessment and control of situations over the entire spectrum of probable and postulated emergency conditions. The facilities and associated equipment, and their emergency functions are described in this section.

7.1 EMERGENCY FACILITIES

7.1.1 CONTROL ROOM

The Control Room for each respective unit at SONGS is the primary location for initial assessment coordination of corrective actions for essentially all emergency conditions. The Control Rooms are equipped with readouts and controls for all critical plant systems, readout and assessment aids related to the radiological monitoring system, and have access to all station communications systems.

Some Emergency Plan functions initially served by the Control Room will be transferred to the Station Emergency Director in the Technical Support Center and/or to the Corporate Emergency Director in the Emergency Operations Facility when activated for an Alert, Site Area Emergency, or General Emergency. The primary consideration is to ensure the number of personnel in the Control Room is minimized and to avoid confusion that might impair the safe and orderly shutdown of the reactor or the operation of plant safety systems.

The Control Rooms have the following features which provide protection for personnel during an emergency:

1. Continuous indication of radiation levels from the monitors listed in Table 7-3
2. Basic protective equipment for personnel (see Appendix F for listing of typical equipment)
3. Communications systems, as described in Section 7.5 and Table 7-1.

In addition, the Units 2/3 Control Room has the following features:

1. Radiological shielding by concrete walls
2. An emergency air supply system, equipped with High Efficiency Particulate Air and Activated Charcoal filters
3. Emergency lighting and power supplied by a 125 volt DC system
4. Meteorological monitoring system

Additional details regarding the design and protective capabilities of the Control Room are described in the SONGS Units 2 and 3 FSAR.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

7.1.2 TECHNICAL SUPPORT CENTER

The Technical Support Center (TSC) is located near the Units 2/3 Control Room. The typical TSC configuration is shown in Figure 7-1. When activated, the TSC becomes the primary location for the coordination of emergency activities. The TSC initially houses the Emergency Coordinator and Staff during an emergency, after the Emergency Coordinator function is transferred from the Shift Manager to the Station Emergency Director. Upon full activation of the EOF, the Emergency Coordinator function will be transferred to the EOF and the Station Emergency Director will coordinate onsite activities from the TSC. The TSC serves several functions:

1. It is the location from which emergency-related activities are controlled. These activities include, but are not limited to: offsite dose projection, direction of assessment and corrective actions, initiation of onsite protective actions and development of offsite protective action recommendations. Primary responsibility for some of these functions shifts to the EOF when the Emergency Coordinator's duties are transferred to the EOF. The TSC provides a reservoir of technical expertise which can be used to ensure proper evaluation of conditions and direction of the emergency effort.
2. It is the onsite communications center providing communication with the Control Room, Operations Support Center, Emergency Operations Facility and local, state and federal response agencies.
3. It is designated as the central point for the receipt and analysis of field monitoring data generated by SCE. Following evaluation by TSC personnel, appropriate information will be reported to the EOF where it will be transmitted to local, state, and federal agencies.

The TSC and EOF electronically receive meteorological information. The TSC is designed for habitability during any postulated accident and shares the same habitability characteristics as the Units 2/3 Control Room.

Appropriate as-built drawings and other records are stored and filed at the Site, and are accessible to the TSC under emergency conditions.

In case the primary TSC becomes unavailable to responders for situations that are not hostile-action related, the TSC staff will respond or relocate to an alternate location depending on the specific event circumstances.

In case of initial declaration of an emergency event that is hostile-action related, TSC responders will be directed to report to Building E-50, Classroom 11 as an alternate TSC. TSC Leader Notebooks are located in a bookcase in the Building E-50 Hallway. The Station Emergency Director, Emergency Advisor-Operations, TSC Technical Leader, and TSC Radiation Protection Leader will collocate to the EOF to perform TSC functions using EOF equipment. The rest of the TSC responders report to Classroom 11, and standby for directions from the Station Emergency Director.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

7.1.3 OPERATIONS SUPPORT CENTER

The Operations Support Center (OSC) is the onsite staging area where personnel report for assignment to emergency response teams. The typical OSC configuration is shown in Figure 7-2. The OSC is located on the 70' elevation of the control building. This location provides satisfactory protection of personnel under most postulated accident conditions.

The OSC is the location from which the Emergency Group Leader supervises and coordinates the following emergency activities: dispatch of onsite/offsite radiological monitoring teams, emergency services (fire, rescue, first aid) and damage assessment, control, and repair. The OSC has direct communications with the Control Room and TSC via a dedicated telephone extension (see Table 7-1).

In case the primary OSC becomes unavailable to responders for situations that are not hostile-action related, the OSC Staff will respond or relocate to an alternate location depending on the specific event circumstances.

In case of initial declaration of an emergency event that is hostile-action related, OSC responders will be directed to report to Building E-50 Learning Center, Rooms A and B, as an alternate OSC. OSC Leader Notebooks are located in a bookcase in the Building E-50 Hallway. OSC responders will report to the Learning Center, prepare to perform work, and wait for Security escorted access to the Protected Area.

7.1.4 EMERGENCY OPERATIONS FACILITY

The Emergency Operations Facility (EOF) is the facility designated by SCE to coordinate the offsite emergency responses of SCE and the various local, State and Federal agencies for the development of protective action recommendations to ensure the health and safety of the general public. Space is provided for local, State and Federal government representatives. These representatives include agencies which are within the plume exposure EPZ as well as those within the Ingestion Pathway EPZ. The EOF serves as the coordination center for technical, radiological and environmental assessments of accident conditions. It also includes the Offsite Dose Assessment Center (ODAC) where independent recommendations for public protective actions are made.

The EOF is staffed by Emergency Response Organization personnel and is activated during Alert, Site Area Emergency, and General Emergency events. Space is allocated in this facility for local, State and Federal representatives and, as such, is the point for face-to-face communications between SCE and offsite agencies. This interface between agencies facilitates coordination of offsite emergency actions, including public alert and notification. A portion of the EOF (ODAC) serves as the center for the collection and assessment of radiological monitoring data, meteorological data, dose assessments and projections, and making Protective Action Recommendations (PARs). The EOF provides space for engineering backup, administrative and logistical support. The EOF is also used during the recovery effort.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

The EOF is located approximately one kilometer from SONGS on the Mesa area controlled by SCE. Access to the EOF is provided by existing roads.

Entrance to the EOF is provided as shown in Figure 7-3. In the event of an emergency, security personnel can restrict entry to the EOF at the frontage road. A heliport is located within close proximity to the security entrance to the EOF.

The design of the EOF satisfies the habitability criteria that specifies the facility shall be engineered for the design life of the plant. Ventilation protection of the EOF is accomplished by the use of High Efficiency Particulate Air filters. The EOF has a radiological protection factor greater than five. Anticontamination clothing, dosimeters (low and high range), and respirators with spare particulate and charcoal canisters are also available for emergency response teams.

The EOF will be staffed to direct overall licensee response efforts, provide overall management of licensee resources and the continuous evaluation and coordination of licensee activities during and after these events. The EOF consists of a Coordination Center, Medical/Decontamination Facilities, Security Area, Joint Operations Center, Telecommunications Area, Support Facilities, and Storage Area. Within the Coordination Center are areas for Technical Assessment, Radiological Assessment, personnel from the local, State and Federal Agencies, Administrative Support, and the Offsite Dose Assessment Center (ODAC). The Coordination Center includes space for approximately 85 people. The entire EOF encompasses 12,248.5 square feet and can accommodate up to 163 emergency responders based on 75 square feet per person in accordance with NUREG 0696. The typical Coordination Center configuration is shown in Figure 7-4.

The Joint Operations Center (JOC) is a unified command center which may be activated during a security event. Staffing includes the primary law enforcement agency and critical incident response groups consisting of law enforcement and other agencies.

The ODAC will function as the technical offsite center to coordinate and make independent offsite environmental assessments and measurements, radiological evaluations, and protective action recommendations. ODAC is a primary center for coordination of Plume Pathway Sampling.

ODAC and environmental monitoring samples are brought to the EOF where a determination of sample analysis is made. These samples will either be analyzed in the EOF or forwarded to an offsite contract laboratory, as appropriate.

An emergency kit is also provided in the EOF. For a typical inventory of the EOF emergency kit, see Appendix F.

Communication capabilities of the EOF are outlined in Table 7-1.

In the event the primary EOF becomes unavailable through radiological or environmental conditions, or becomes inaccessible prior to the event, personnel assigned to the EOF will be directed to report to the Alternate EOF located at the SCE Irvine Operations Center (IOC), 23 Parker Street, Irvine, California.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

Conference rooms and an adjacent lunch room will be configured according to a specific plan designed for SONGS EOF responder's use. This area has phones that perform the same functions as phones located in the primary EOF, including most dedicated phone circuits. Phone jacks are located in areas designated by the set up plan to provide phone use by the responders.

EOF Leader Notebooks are located in the conference room storage cabinets. Additional copies of Emergency Plan Implementing Procedures used by EOF personnel are also located on a bookcase in the room. A set of paper status boards and maps similar to those located in the EOF are available in both the conference room and the lunchroom areas. Additional administrative supplies (pens, paper, markers, etc.) are located in drawers and cabinets.

Dose rate meters, count rate meters, smears, air samplers and air sampling media are located in a cabinet in the lunchroom area for use by the SONGS Offsite Field Monitoring Team. Laptop computers are available for dose assessment and core damage assessment.

7.1.5 JOINT INFORMATION CENTER

The Joint Information Center (JIC) will serve as a joint news and public information facility for SCE, SDG&E, the Cities of Anaheim and Riverside, local, county and State emergency response agencies, NRC, FEMA and other federal agencies.

The JIC will be activated under an Alert, Site Area Emergency or General Emergency and will serve as the primary point for disseminating information to the media regarding the emergency.

The JIC provides working space for the media, local, county, state and federal Public Information agencies as well as corporate communications personnel from SCE, SDG&E, and the cities of Anaheim and Riverside. All SCE press releases related to nuclear shall be approved by the Corporate Emergency Director and shared with government agency representatives at the Joint Information Center.

The JIC is located at SCE Saddleback District Office, 14155 Bake Parkway, Irvine, California.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

7.1.6 EMERGENCY KITS

Emergency kits are located at several onsite and offsite locations to provide a ready supply of equipment and material necessary to meet the short-term needs for performing emergency functions. The emergency kits variously contain portable communications equipment, protective equipment, monitoring equipment, and applicable procedures. Additional and/or replacement equipment and materials are available at the Station, or can be readily obtained from offsite sources to support longer term emergency measures or the recovery effort. Appendix F provides a typical inventory by general category. Designated storage locations for these emergency supplies are:

- Control Room
- Technical Support Center
- Operations Support Center
- Assembly Areas
- Emergency Operations Facility

In addition, SCE maintains inventories of contamination control material at various facilities described in Section 5.3.3, Local Services Support, for minimizing the spread of contamination while handling contaminated injured personnel.

The onsite emergency kits are inspected and inventoried following use at least quarterly. The onsite emergency kits are inspected and inventoried following each use during drills/emergencies, which may satisfy the quarterly surveillance requirement. The hospital kits are inventoried annually. The hospital kits are inspected and inventoried following each use during drills/emergencies, which may satisfy the annual surveillance requirement. Additional maintenance provisions are specified in Section 8.3 and in the EIPs.

7.2 LOCAL GOVERNMENT EMERGENCY CENTERS

The plume exposure EPZ for the San Onofre Nuclear Generating Station includes areas and populations in Orange County, San Diego County, San Juan Capistrano, San Clemente, Dana Point, the Marine Corps Base, Camp Pendleton, and the California State Parks. All of these agencies have Emergency Operations Centers. The county jurisdictions have Emergency Operations Centers which meet or exceed the minimum Federal criteria for sufficient space, communications, and self-sufficiency in supplies and accommodations. All jurisdictions (except as identified in section 6.1.5) maintain employees to coordinate emergency planning and execution, and have made provisions for 24-hour per day communications coverage.

Location of the Emergency Operations Centers (EOCs) for the jurisdictions listed above are:

- Orange County Sheriff-Coroner Emergency Management
2644 Santiago Canyon Road
Silverado, California 92676-9719
- San Diego County Office of Disaster Preparedness
5555 Overland Avenue
San Diego, California 92123

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

- Marine Corps Base, Camp Pendleton
Building 1164
Headquarters Area 92055
- California State Parks
3030 Avenida del Presidente
San Clemente, California 92672
- City of San Clemente
Building N, Utilities
380 Avenida Pico
San Clemente, California 92672
- City of San Juan Capistrano
Police Service Building
32506 Paseo Adelanto
San Juan Capistrano, California 92675
- City of Dana Point
City Hall
33282 Golden Lantern
Dana Point, California 92629

The State of California Emergency Operations Center is located at the CAL OES headquarters in Sacramento, California. This center is equipped with a communications system which links all area and county emergency operations centers with CAL OES headquarters. The State maintains full-time employees to coordinate emergency planning and execution and has made provisions for 24-hour per day communications coverage.

7.3 ASSESSMENT FACILITIES

The primary onsite assessment facility is the Control Room. The Technical Support Center also serves as an assessment facility. These facilities and associated assessment equipment are described generally in Section 7.1. Additional listings of typical equipment available at the Station for both initial and continuing assessment of emergency situations are contained in Tables 7-2 through 7-6. The primary offsite assessment facility is the Technical Assessment Area of the EOF.

7.3.1 RADIOLOGICAL MONITORS

Radiological monitoring instrumentation is provided at SONGS for assessment actions during emergencies. This instrumentation includes the Radiation Monitoring System, portable instrumentation airborne sampling equipment, radiological laboratory instrumentation, and radiological environmental monitoring stations. A description of this instrumentation follows:

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

7.3.1.1 Radiation Monitoring System

This onsite system consists of effluent monitors, continuous air monitors, area radiation monitors, in-containment radiation monitors (Units 2/3) and process monitors. The system has several purposes: radiation level monitoring, high radiation alarm for personnel protection, process stream monitoring, effluent stream monitoring, and accident assessment. The system measures and records radiation levels and concentrations of radioactive material at selected locations throughout the Station. Each potential radioactivity release point is monitored. These monitors are tabulated in Table 7-3.

Several monitors are designed for assessment of radiation levels and/or effluent release rates in the event of a significant accident. These monitors generally supplement the other monitors in the Radiation Monitoring System by extending the range of radiation level measurements. Such monitors are provided for each of the major potential release points at Units 2 and 3. In addition, nine direct radiation monitors have been installed in each of the nine landward sectors at a range of approximately 1 kilometer from the Station. These are dual-range pressurized ion chambers with real time readout locally and at the Control Room, TSC and EOF via the dose assessment computer terminals.

7.3.1.2 Portable Instrumentation

Portable radiological survey instrumentation and equipment is provided as part of the SONGS Radiation Protection Program, as established in the SONGS Radiation Protection Procedures. Appropriate beta-gamma survey instruments, contamination monitoring instrumentation, and air sampling equipment are reserved in emergency kits for emergency use. With few exceptions, this equipment is battery operated.

The selection of instruments and sampling media, and the methodology established in EPIPs, provide for a field detection capability of $1 \text{ E-7 } \mu\text{Ci/cc}$ of Iodine-131 in the presence of radioactive noble gases.

7.3.1.3 Radiological Laboratory Instrumentation

Appropriate radiological counting instrumentation is provided in support of routine operations. This instrumentation is also available for use during emergencies. Instrumentation includes: beta counter, liquid scintillation counter, and a gamma spectrometer. Portable radiological instrumentation is also available for field assessment of sample media.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

7.3.1.4 Radiological Environmental Monitoring Stations

The primary function of the radiological environmental monitoring program is to establish the pre-operational background levels, detect any gradual build-up of radionuclides, and verify that operation of SONGS has no detrimental effect to the health and safety of the public. Field thermoluminescent dosimeters (TLDs) and air sampling media from environmental monitoring stations may be utilized to obtain valuable data in the event of a significant release of radioactive material.

Laboratory analysis of environmental samples will be accomplished at onsite and/or laboratories offsite. Analysis will be provided by laboratories which routinely analyze environmental, 10CFR61, or other radiological samples.

7.3.2 OFFSITE RADIOLOGICAL MONITORING EQUIPMENT

Radiological monitoring equipment and portable air samplers have been provided by SCE to local agencies. These enable the agencies to determine local radiological conditions. This information is transmitted to ODAC to enable a thorough evaluation of radiological conditions in the local areas.

7.3.3 FIRE DETECTIONS SYSTEMS

Fire detection at SONGS is provided by a central alarm system with an annunciator panel located in the Control Room, which is activated by a variety of fire and smoke detection devices located throughout the plant. Units 2/3 fire detection systems are identified in the respective plant Updated Fire Hazards Analysis.

7.3.4 GEOPHYSICAL PHENOMENA MONITORS

Monitors are provided for detecting and recording geophysical phenomena parameters related to meteorology and seismic events.

7.3.4.1 Meteorology

SONGS maintains an onsite Meteorological Measurements Program. This program is comprised of instrumentation which provides for indication and recording of the meteorological parameters necessary to calculate atmospheric dispersion factors. Instrumentation is provided on the meteorological tower located onsite to measure and record the following parameters:

- Wind direction at two levels (10 and 40 meters)
- Wind speed at two levels (10 and 40 meters)
- Vertical temperature difference between two levels (10 and 40 meters)

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

- Ambient temperature
- Precipitation (surface)
- Dew point temperature (10 meters)
- Sigma theta is computed from the 10 meter wind direction

The output from selected sensors is provided to analog recorders located in the Units 2/3 Control Room. Included are the 10 meter wind direction and speed, 10 to 40 meter vertical temperature difference, and sigma theta. All parameters are also digitized and transmitted to an onsite computer. The system is designed to provide real-time and historical data to determine the atmospheric dispersion and make offsite dose projections.

In addition to the existing 40m meteorological monitoring system which is the primary source of meteorological data at SONGS, a backup meteorological tower, 10m in height, has been installed. This system provides meteorological data during periods when all or part of the primary system is not functional. The location of the backup tower is on the bluff near (but outside) the fall radius of the primary tower. The backup tower system is comprised of the following:

- Self supported tower
- Instrument sensors
- Climate controlled instrument shelter
- Uninterruptible power supply

Sensors on the tower record wind direction, wind speed, and sigma theta at the 10m level. Digital data from the backup system is transmitted to the Units 2/3 Control Room.

A third meteorological tower is located on the roof of the Emergency Operations Facility at the SONGS Mesa area. This tower is comprised of the following:

- Self-supported tower
- Instrument sensors
- Uninterruptible power supply

The sensors on the tower record wind directions, wind speed, and sigma theta at the 10m level as well as rainfall. Data from the EOF backup system is transmitted to the TSC Radiation Protection Leader located in the TSC.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

Meteorological measurement equipment is tabulated in Table 7-2. All of the natural phenomena monitors listed are located onsite.

Offsite meteorological data are available from the following nearby locations:

- Lindbergh Field, San Diego
- Palomar Airport
- Orange County Airport
- Marine Corps Air Station, Camp Pendleton
- National Weather Service, San Diego

SCE's Generation Operation's Center routinely checks weather conditions via Internet access to the National Weather Service. Telephone Company phone lines are used as a backup means of communication. This information includes climatological data, forecasts and notifications of all severe weather watches and warnings. A severe weather watch is issued when meteorological conditions are favorable for possible severe thunderstorms or tornado activity. A warning is issued when tornados or severe thunderstorms have actually been observed. A currently established procedure requires the Dispatcher to notify all SCE generating stations, including SONGS, in the event of severe weather watches or warnings. In addition, a weather alert radio is located in the office of the Battalion Chief, SONGS Fire Department. Any severe weather warning received as broadcast by the National Oceanographic Atmospheric Administration (NOAA) over this radio is immediately relayed to the Control Room. The Control Room personnel will then respond in accordance with established procedures.

7.3.4.2 Seismic Equipment

Appropriate seismic instrumentation is provided at the Site to monitor and record the motion and peak shock imparted to critical elements of the station (structures and components) due to an earthquake. Alarms are provided for peak accelerations, and mechanical/electrical devices record the extent of the acceleration for subsequent evaluation to determine if maximum allowable accelerations have been exceeded, and if any plant corrective actions are necessary. The seismic instrumentation is described in FSAR, Section 3.7.4.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

7.3.5 PROCESS MONITORING EQUIPMENT

Process monitoring instrumentation is provided in the Control Room to provide the operator with necessary data on plant status to operate the plant under normal and emergency situations. This instrumentation generally includes instruments that:

- Provide information required to take pre-planned manual actions
- Provide information to monitor the status of critical safety functions.
- Indicate the potential for damage, or actual damage, to fission product barriers
- Indicate the effectiveness of individual systems
- Provide information for use in determining the magnitude of the release of radioactive materials.

The installed SONGS Units 2&3 instrumentation meets, or will meet, the criteria established in USNRC Regulatory Guide 1.97.

7.4 ASSEMBLY AREAS

Designated assembly locations are provided which ensure adequate radiological protection for personnel evacuated from areas that may be affected by radiation and/or airborne radioactivity. The specific assembly areas are indicated in the SONGS EIPs.

7.5 COMMUNICATION SYSTEMS

The SONGS communication capabilities include multiple systems and redundancies which ensure the performance of vital functions in transmitting and receiving information throughout the course of an emergency. These systems include the following:

- Telephone systems, radio systems, and a public address system are provided to accomplish onsite communications between the Control Rooms and various plant locations.
- A radio system is provided to accomplish offsite dose rate monitoring communications between field teams, the TSC, and the OSC.
- A dedicated specialty telecommunications system (Yellow Phone System) is provided to permit continuous telephone and faxed hardcopy communications between the site, the EOF and all local jurisdictions.
- Public and private telephone systems and a radio system to the U.S. Marine Corps at Camp Pendleton are provided to permit plant-to-offsite communication on a continuous basis.
- The plant has a microwave telephone system to the SCE and SDG&E telecommunication centers. This system is totally independent from the Telephone Company System.
- An Onsite Emergency Siren System is designed to warn personnel to evacuate the protected area in the event of a serious accident.

SONGS EMERGENCY PLAN

7.0 EMERGENCY FACILITIES AND EQUIPMENT (Continued)

Communications systems are provided with diverse power sources. The main equipment cabinet and power supplies are located in separate areas to minimize losses from localized events.

Table 7-1 lists in detail the onsite and offsite communications equipment.

Simultaneous failure of these diverse facilities is unlikely, even in the event of an earthquake. Following an earthquake and before the unit is returned to service, a determination will be made that adequate communications systems are in service to communicate with emergency response agencies, and adequate sirens are in service to alert the general public.

The Yellow Phone System from SONGS is the primary communications link for notification to offsite emergency response agencies. Southern California Edison's Generation Operation Center (dispatching center) has been designated as the primary communications link for notifications to the SCE Corporate Communication, Claims, and Customer Communication Center, and SDG&E Grid Control and as the back-up communications link for notifications to offsite emergency response agencies during an emergency at SONGS. These notifications are initiated for a Notification Of Unusual Event, Alert, Site Area Emergency, or General Emergency. Verification that key communication systems continue to operate satisfactorily is routinely accomplished during the notification process following all emergency events.

7.6 ONSITE FIRST AID AND MEDICAL FACILITIES

An onsite health care center is located on the Mesa and has a medical team 5 days per week during normal working hours for routine administrative medical functions, and a physician on call 24 hours per day. Members of the medical team are not part of the Emergency Response Organization but could be called in if required. Firefighters are qualified Emergency Medical Technicians (EMTs) who are on-site 24 hours a day to provide emergency first aid treatment, response to contaminated injuries, and routine first aid services at an onsite first aid clinic located outside the Protected Area. The EMTs fill the requirement found in NUREG-0654, Table B-1 for rescue operations and first aid.

In addition, first aid kits are located throughout the Station and maintained by various departments.

If personnel decontamination is necessary, decontamination areas are located at the radiological control point for Unit 2/3.

7.7 DAMAGE CONTROL EQUIPMENT

Damage control equipment consists of normal and special purpose tools and devices used for maintenance functions throughout the Station. Personnel assigned to damage control teams are cognizant of the locations of specific equipment which may be required in an emergency. The Emergency Group Leader has access to keys for maintenance tool cribs, shops and other locations where appropriate damage control equipment may be stored. Commonly used emergency maintenance tools and equipment are also pre-positioned in the vicinity of the OSC.

Heavy-duty and specialized equipment and trained equipment operators will be provided, if necessary, through the SCE Operations Center.

TABLE 7-1 ONSITE/OFFSITE TELECOMMUNICATIONS

LOCATION	SYSTEM	FUNCTIONS
Units 2/3 Control Room, Technical Support Center and EOF NRC Consultation Area.	Emergency Notification System (ENS) (RED PHONE)	Provides direct communications with NRC Headquarters Operations Center.
Technical Support Center; NRC consultation Area and Coordination Center in the EOF.	Health Physics Network (HPN) (GREEN PHONE)	Provides direct communications with NRC Headquarters Operations Center, to support Health Physics Operations.
Technical Support Center; Emergency Operations Facility, ODAC, Offsite Emergency Operations Centers. A station at the JIC only has audio monitoring and faxed printed message receiving capability.	Yellow Phone System (IAT) (YELLOW PHONE)	Provides direct line telephone and faxed hardcopy communications to the offsite agencies listed in section 6.1.5
Units 2/3 Control Room, Technical Support Center, Emergency Operations Facility	USMC Base Telephone (BLACK PHONE)	Provides direct access to Camp Pendleton Marine Corps Base support services via the MCB telephone exchange. Also provides a secondary means of telephonic communications through the Oceanside exchange should the San Clemente telephone exchange fail.

TABLE 7-1 ONSITE/OFFSITE TELECOMMUNICATIONS (Continued)

LOCATION	SYSTEM	FUNCTIONS
Units 2/3 Control Room, Technical Support Center Operations Support Center, Emergency Operations Facility, Evacuation Shutdown Panel	Plant Emergency Response Telephone (PERT) (IVORY PHONE	Provides direct communications between in-plant control centers during an emergency.
Operations Support Center and the SONGS Fire Department Dispatch Office	USMC Fire Telephone (ORANGE PHONE)	Provides direct "HOT LINE" to MCB, Camp Pendleton "911" Emergency Dispatcher 24 hours daily.
Technical Support Center and Emergency Operations Facility	Cal OES (BLUE PHONE)	Provides direct "HOT LINE" to the Warning Center, CALOES, Sacramento, California.
Units 2/3 Control Room, Technical Support Center Operations Support Center, Emergency Operations Facility,	Satellite Phones	Provides direct communications between in-plant control centers during an emergency.
All PAX telephones. More than 3,000 locations throughout Station (5 separate lines in the Control Room/Shift Manager's Office, 14 separate lines in the Technical Support Center, six lines in the Operations Support Center)	Plant Private Automatic Telephone system (Edison PAX)	1) In-plant communication using telephone exchange and dial telephones 2) Various trunk interconnections to the entire Edison PAX System (2 separate redundant routings via microwave) 3) Direct Telephone Company System access from any Preselected location.

TABLE 7-1 ONSITE/OFFSITE TELECOMMUNICATIONS (Continued)

LOCATION	SYSTEM	FUNCTIONS
Units 2/3 Control Room, Technical Support Center	Plant Public Address System	1) Public Address (paging) System for Station area and switchyard 2) Direct connection (with override) from Control Room Operator's Turret
Units 2/3 Shift Manager's Office	Perimeter Paging System	One-way voice communication utilizing a separate amplifier System with microphone. The system is audible in immediate areas outside the perimeter of the plant.
All normally staffed areas. Three separate lines in the Units 2/3 Control Room/Shift Manager's Office, two in the TSC/NRC Consultation Area, one in the OSC, others in normally staffed security posts for unobstructed emergency use	Telephone Company System	1) Telephone communications, primarily offsite, through private branch exchange 2) Separate private lines with unlisted numbers.
Units 2/3 Control Room, TSC, OSC, Security, Radiation Protection, Maintenance, Emergency Planning	Operators Consoles Hand-Held and Mobile Radios	Provides rapid and direct communications to Onsite /Offsite Emergency Response Teams
Technical Support Center and EOF	Radiation Protection Telephone (BEIGE PHONE)	Provides direct "Hot Line" communications for dose assessment activities between the RP Leaders in the TSC and the EOF.
Technical Support Center and EOF	Technical Telephone (BROWN PHONE)	Provides direct "Hot Line" communications for coordination of technical data between the Technical Leaders in the TSC and EOF.

TABLE 7-1 ONSITE/OFFSITE TELECOMMUNICATIONS (Continued)

LOCATION	SYSTEM	FUNCTIONS
Emergency Operations Facility	Telephone Company System	Consists of sixteen individual Telephone Company Trunks for direct access to representatives of the following: California Highway Patrol; CAL OES; California State Parks: Los Angeles County; Orange County; Riverside County; San Bernardino County; San Diego County; City of San Clemente; City of San Juan Capistrano; City of Dana Point; Marine Corps Base, Camp Pendleton and EOF EPC, TSC Radiation Protection Leader; ODAC Coordinator; SCE Health Physicist

TABLE 7-2 NATURAL PHENOMENA MONITORS

INSTRUMENT SYSTEM	INDIVIDUAL DETECTORS	FUNCTIONAL APPLICABILITY
Meteorological Instrumentation	2 wind speed indicators	monitor wind speed
	2 wind direction indicators	monitor wind direction
	3 temperature sensors	monitor temperature (2 sensors) and dry bulb temperature (1 sensor)
	sigma detector	monitor air turbulence
	rain gauge	measure precipitation
Seismic Instrumentation	Refer to FSAR, Section 3.7.4 for a description of Seismic Instrumentation.	

TABLE 7- 3 INSTALLED RADIOLOGICAL MONITORS - SONGS 2&3

EFFLUENT RADIATION MONITORS

RE - 6753	E089 S/G Blowdown
RE - 6759	E088 S/G Blowdown
RE - 7808	Plant Vent Stack Wide Range Gas Monitor (WRGM)
RE - 7817	Neutralization Sump
RE - 7818	Condenser Air Ejector
RE - 7819	Component Cooling Water
RE - 7821	Turbine Sump
RE - 7828	Containment Purge Stack
RE - 7865	Plant Vent Stack WRGM
RE - 7870	Air Ejector WRGM

PROCESS RADIATION MONITORS

RE - 7804P	Containment Airborne Particulate
RE - 7804G	Containment Airborne Noble Gas
RE - 7807P	Containment Airborne Particulate
RE - 7807G	Containment Airborne Noble Gas
RE - 7822	Fuel Handling Area Vent Airborne
RE - 7838	PASS Normal Sample Line Isolation
RE - 7839	PASS Normal Sample Line Isolation
RE - 7874A	E088 Main Steam Line Low Range
RE - 7874B	E089 Main Steam Line Low Range
RE - 7875A	E088 Main Steam Line High Range
RE - 7875B	E089 Main Steam Line High Range

AREA RADIATION MONITORS

RE - 7820- 1	Containment High Range
RE - 7820- 2	Containment High Range
RE - 7841	63' Radwaste Gas Surge Tank
RE - 7842	9' Radwaste Sump Room
RE - 7843	37' Radwaste Sump
RE - 7844	37' Radwaste High Radioactive Storage
RE - 7845	63' Containment Personnel Lock
RE - 7847	8' Safety Equipment Building
RE - 7848	30' Containment Building
RE - 7850	63' Fuel Handling Building Spent Fuel Cask
RE - 7851	30' Control Room
RE - 7852	70' Radiochemistry Lab
RE - 7853	63' Radwaste Hot Machine Shop
RE - 7854	24' Radwaste Local Sample Lab
RE - 7883	24' PASS Lab
RE - 7899	63' Contaminated Equipment Storage Room

COMMON RADIATION MONITORS

RE - 7812	Radwaste Condensate
RE - 7813	Radwaste Discharge
RE - 7824	Control Room Airborne
RE - 7825	Control Room Airborne
RE - 2101	Yard Drain Sump

TABLE 7- 4 OTHER RADIOLOGICAL MONITORING EQUIPMENT

INSTRUMENT SYSTEM	TYPE	APPLICATION
Portable Monitors and Sampling Equipment	Electronic/ self-reading dosimeters	Monitor personnel radiation exposure
	Dosimeter chargers	Recharge self-reading dosimeters
	Alarming Digital Dosimeters	Monitor personnel radiation exposures
	Portable neutron rem counters (0.1 to 10,000 mrem/hr)	Survey neutron dose rates
	GM survey meter with pancake probe	Measure surface contamination
	Personnel Contamination Monitors	Monitor personnel upon leaving radiologically controlled areas.
	Portal Monitors	Monitor personnel upon leaving the protected area.
	Underwater High Range Survey Meters	Portable underwater survey
	Portable, Battery Powered Particulate and Iodine Air Samplers	Air sampling
	Portable High Volume Particulate and Iodine Air Samplers	Air sampling
	Halogen Absorbing Cartridges	Halogen air sampling
	Portable Spectrum Analyzer	Radionuclide identification Air sample analysis
	Micro Rem Meter	Monitor environmental (low level) radiation levels
	Ion chamber dose rate meters (1 mR/hr to 20 kR/hr)	Monitor beta-gamma dose rates
	GM survey meters (0-200 mR/hr)	Monitor beta-gamma radiation
	GM telescoping probe, hi-range surveys meters (0.1 mR/hr to 1,000 R/hr)	Monitor high range gamma radiation
	Alpha survey meters	Monitor for alpha radiation

TABLE 7- 4 OTHER RADIOLOGICAL MONITORING EQUIPMENT (Continued)

INSTRUMENT SYSTEM	TYPE	APPLICATION
Radiochem Lab Counting Equipment	Two Gamma-ray Spectrometer systems with a HPGe detector and multi-channel analyzer (MCA)	Radionuclide identification and analyses for radioactive waste release permits and primary coolant analysis
	Alpha scintillation counter	Alpha counting of samples
	GM beta counter	Beta counting of samples
	Liquid Scintillation Counting System	Tritium and low energy beta analysis
	Alpha/Beta Counter Scales (BC-4 Beta Counter and SAC-4 Alpha Counter)	Smear and airborne filter sample analysis and Analysis of low level beta and alpha activity samples
	Atomic Absorption Spectrometers	Heavy metal analysis
	Gas Chromatograph	Analysis of gases for Tech Specs and Post LOCA detection and analysis of H ₂ concentrations in containment atmosphere and RCS
Radiation Protection Equipment and Services	Whole Body Count System	Monitor internal deposition of gamma-emitting radionuclides
	Bioassay Services	Monitor internal deposition of radioactive materials
	NVLAP accredited TLD program and equipment	Personnel dosimetry

TABLE 7- 5 NONRADIOLOGICAL MONITORS - SONGS 2&3

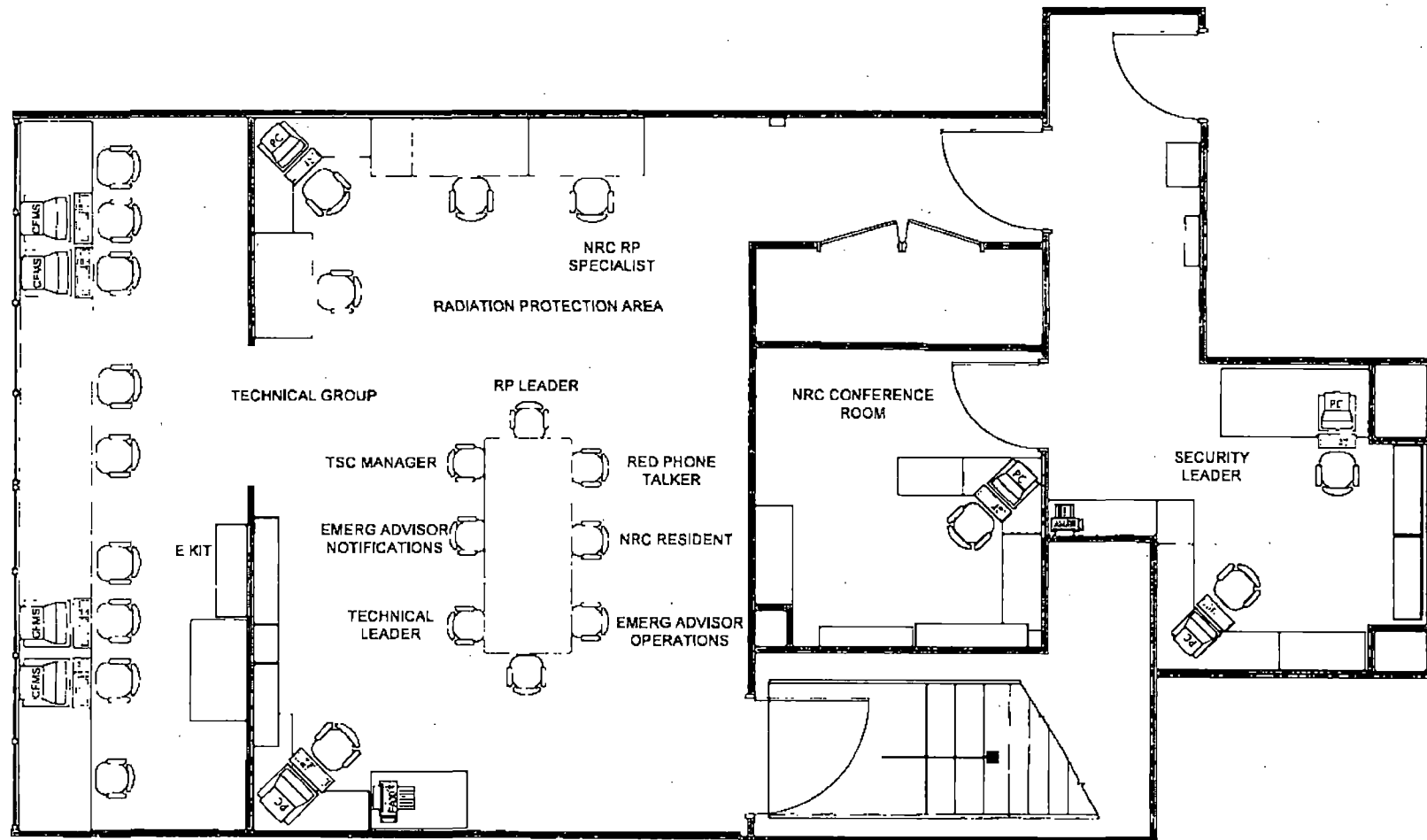
INSTRUMENT SYSTEM	INDIVIDUAL DETECTORS	FUNCTIONAL APPLICABILITY
Surveillance of Containment Condition	TSH-9902F, G, H, I, J Containment Temp Switch	Indicates high temperature
	TSH-9905A, B, Reactor Cavity Temperature Switch	Indicates high temperature
	MSH-9901A, B, C, D Containment Humidity Switch	Indicates high humidity
	LSH-9386-1, 9389-2 Containment Emergency Sump Level Switch	Indicates high level
Surveillance of Reactor Coolant System Condition	PSHL-0100-X, Pressurizer Pressure Switch	Indicates high or low pressure
	PSH-0100-Y, PSL-0100-Y Pressurizer Pressure Switch	Indicates high or low pressure
	LCLL-0110-X, 0110-Y Pressurizer Level Switch	Indicates low-low level
	TSH-0111-X, 0121-X Loop 1 & Loop 2 Hot Leg Temp Switch	Indicates high temperature
	TCH-0111-Y, 0121-Y Loop 1 & Loop 2 Cold Leg Temp Switch	Indicates high temperature
Surveillance of SIS Performance	LSH-0312, 0322, 0332, 0342 SI Tank Level Switch	Indicates high water level
	LSL-0312, 0322, 0332, 0342 SI Tank Level Switch	Indicates low water level
	PSH-0312, 0322, 0332, 0342 SI Tank Press Switch	Indicates high pressure
	PSL-0312, 0322, 0332, 0342 SI Tank Press Switch	Indicates low pressure
	PSHH-0313, 0323, 0333, 0343 SI Tank Level Switch	Indicates extreme high pressure
	PSLL-0313, 0323, 0333, 0343 SI Tank Level Switch	Indicates extreme low pressure
	LSHH-0313, 0323, 0333, 0343 SI Tank Level Switch	Indicates extreme high water level
	LSLL-0313, 0323, 0333, 0343 SI Tank Level Switch	Indicates extreme low water level
	PSL-0311, 0321, 0331, 0341 SI Tank Pressure Switch	Indicates extreme low pressure
	LSL-0301, 0302 Refueling Water Tank Level Switch	Indicates low water level

TABLE 7-6 ENVIRONMENTAL MONITORS - FIXED AND PORTABLE

INSTRUMENT SYSTEM	TYPE	FUNCTIONAL APPLICABILITY
Fixed Environs Monitors	Weatherproof detector stations at each of nine landward sectors at approximately 1 kilometer distance. Dual-range pressurized ion chambers covering the range $1-10^5$ μ R/hr and $10-10^4$ mR/hr (overall: 10^{-6} to 10 R/hr with 1 decade overlap).	Measurement of direct Gamma radiation emanating from plume passage with real time continuous readout at the Control Room, TSC and EOF via the RP computer terminals. Covers sectors Q, R, A, B, C, D, E, F, and G.
Environmental Monitoring Program	4 Offsite Fixed Air Sampling Stations	Sample particulates and iodine
	Direct Radiation Monitoring Stations - (quantity and distribution in accordance with the ODCM)	Measure radiation
Laboratory Facilities	Onsite Chemical-Radiation Laboratory (Plant Control Building)	Equipped for chemical and radiological analysis
	Offsite laboratory, vendor, other nuclear utility or academic institution.	Equipped for chemical and radiological analysis

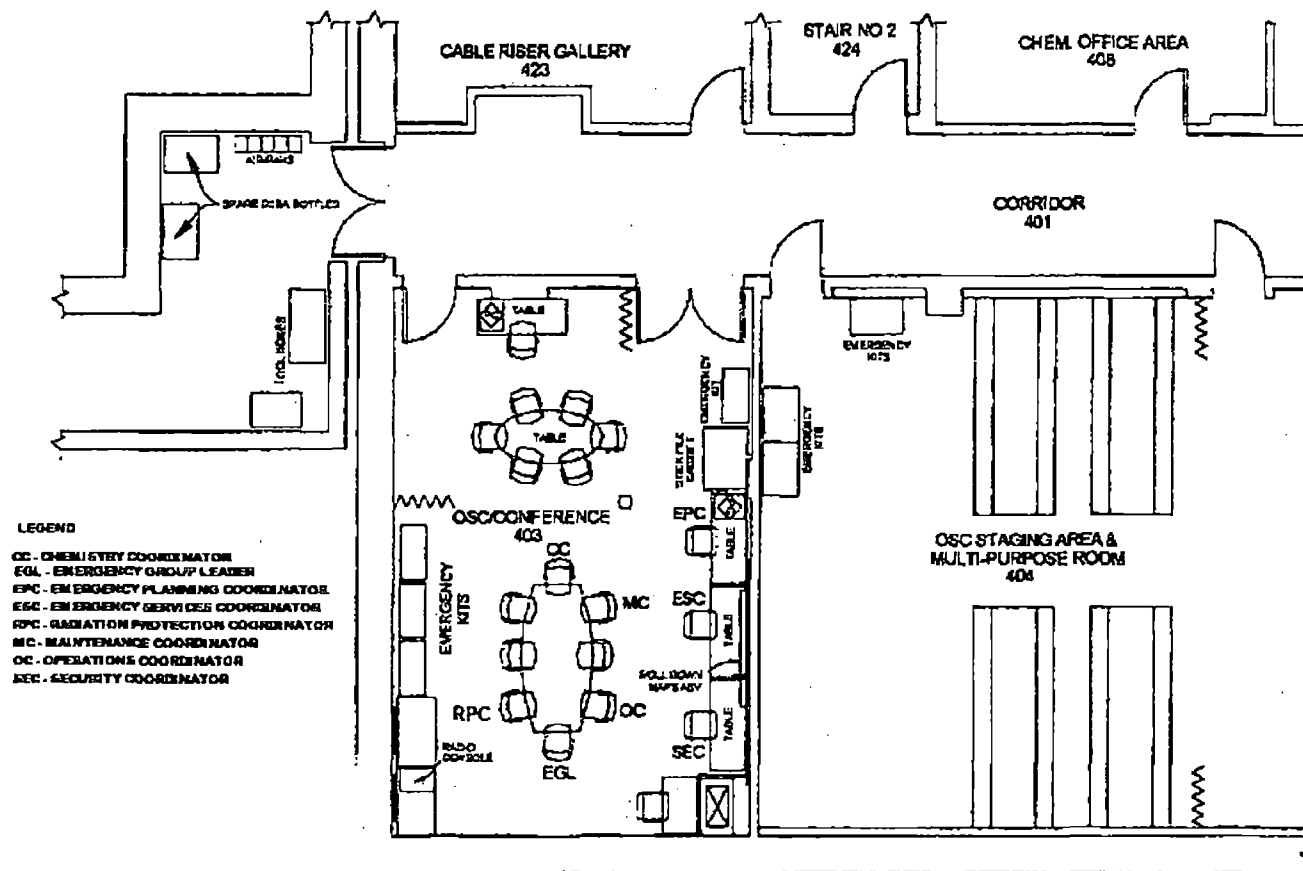
TECHNICAL SUPPORT CENTER
(39' LEVEL OF UNITS 2/3 CONTROL BUILDING)

FIGURE 7-1



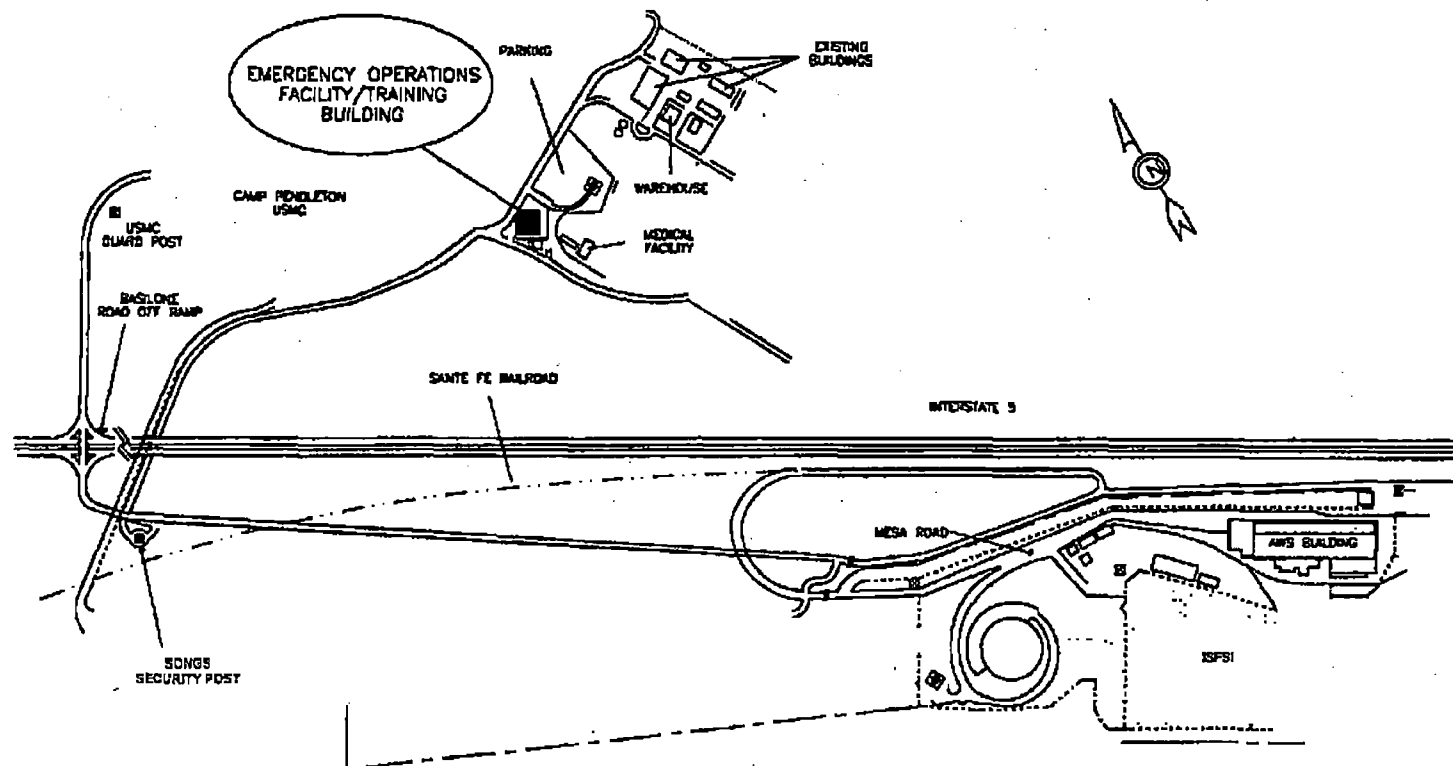
OPERATIONS SUPPORT CENTER
(70' ELEVATION OF UNITS 2 AND 3 CONTROL BUILDING)

FIGURE 7-2

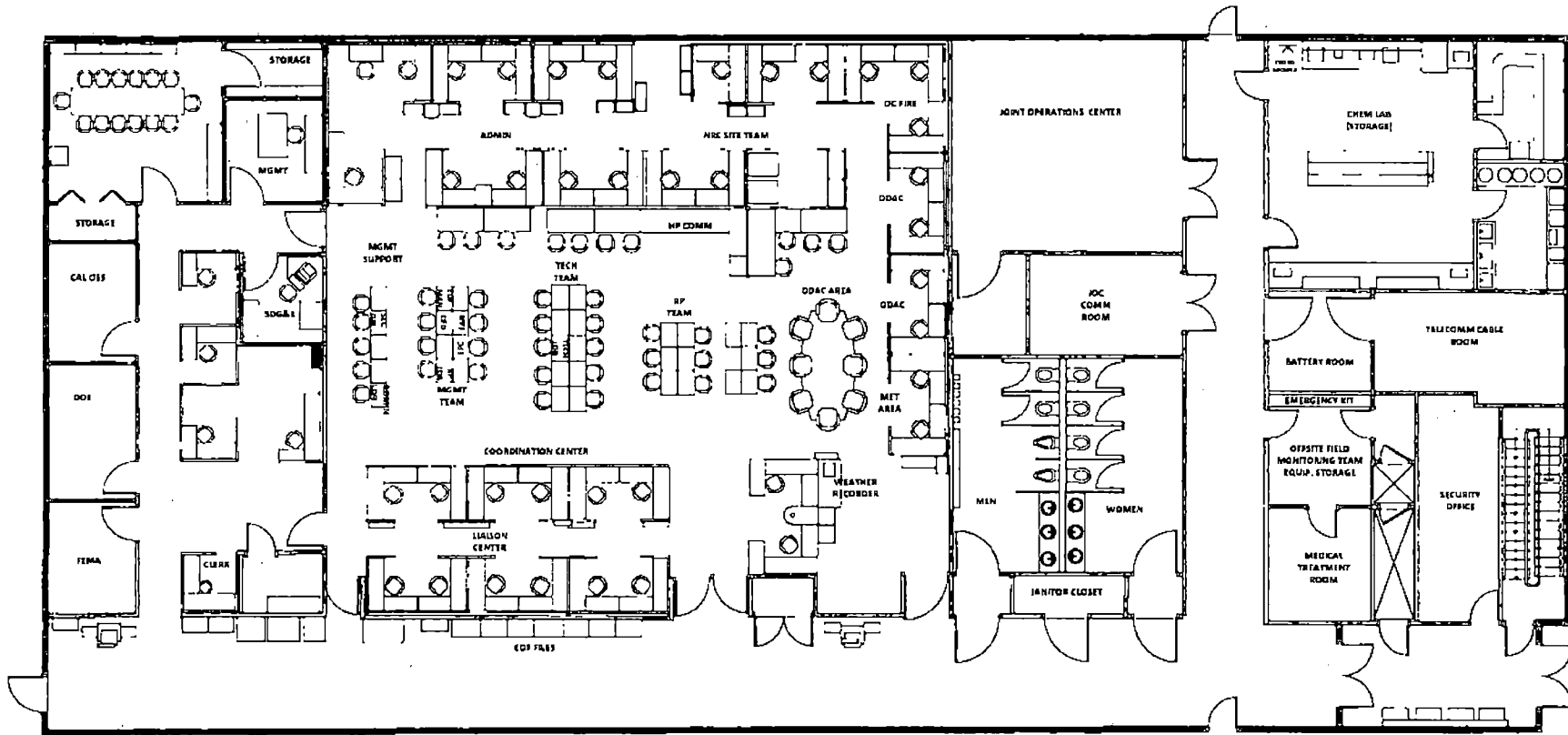


EMERGENCY OPERATIONS FACILITY SITE LOCATION

FIGURE 7-3



EMERGENCY OPERATIONS FACILITY

FIGURE 7-4

SECTION 8

MAINTAINING EMERGENCY PREPAREDNESS

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

Emergency Preparedness is maintained through an integrated program of training, drills, exercises, and maintenance of emergency equipment and supplies. Personnel of the SCE Emergency Response Organization are trained to provide an in-depth response capability for required actions in any emergency situation. Drills and exercises are conducted to reinforce and verify the effectiveness of the training. Scheduled surveillance of equipment and supplies ensures readiness of emergency facilities. This section describes these methods employed to achieve and maintain preparedness of an effective emergency program.

8.1 ORGANIZATIONAL PREPAREDNESS

8.1.1 TRAINING

The Supervisor, Training is responsible for ensuring that all personnel who respond to an emergency response facility at the San Onofre Nuclear Generating Station receive the appropriate Emergency Plan training in close cooperation with the Manager, Emergency Planning. Initial training and annual retraining are provided for Station personnel and others as outlined in Table 8-1.

Annual Emergency Plan Training will be tied to Plant Access training. Annual Plant Access/Emergency Plan training may occur up to ninety (90) days before the established permanent retraining date. Similarly, a change to an individual's permanent retraining date for Plant Access/Emergency Plan training may be requested for an individual by the individual's Management based on justifiable work conditions. The request will be made using the form specified in the General Employee Training Program Description. The request may be approved provided that the individual will not exceed fifteen (15) months between training/retraining cycles. Emergency Response Personnel who do not receive Plant Access training will receive their Emergency Planning training on an annual basis. The Manager, Emergency Planning, is responsible to the Supervisor, Training for identifying all Emergency Plan training requirements.

8.1.2 DRILLS AND EXERCISES

Emergency Plan drills and exercises are conducted to reinforce training and to maintain emergency response skills. Periodic drills and exercises are conducted to verify the emergency preparedness of all participating personnel, organizations, and agencies. All drills and exercises are conducted to: (1) ensure that the participants are familiar with their respective duties and responsibilities, (2) verify the adequacy of the SONGS Emergency Plan and supporting procedures, (3) test communications networks and systems, and (4) check the availability of emergency supplies and equipment.

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

Scheduled drills will be held involving appropriate offsite emergency personnel, organizations, and agencies. These drills will be conducted to simulate, as closely as possible, actual emergency conditions and may be scheduled such that one or more drills can be conducted simultaneously. Scenarios will be prepared that involve participation by several emergency teams and all or specific parts of the onsite and offsite emergency organizations. This may include varying degrees of participation by State, County, and Federal agencies, and organizations and local services, support personnel, and organizations. The scenarios will include the basic objectives of each drill for participating organizations, simulated events, and a time schedule of real and simulated initiating events. Additionally, the scenario will contain a narrative summary describing the conduct of the drill to include such events as simulated casualties, rescue of personnel, use of protective clothing, deployment of radiological monitoring teams, and public information activities. The Manager, Emergency Planning will coordinate drill schedules with the offsite emergency response organizations and agencies.

Critiques shall be scheduled and held as soon as practical after completing a drill. For onsite drills, observer and participant comments are forwarded to, Manager Emergency Planning, who is responsible for coordinating proposed revisions to the EPIPs and the upgrading of emergency equipment and supplies. A written critique will be prepared and will be maintained on each drill listed in Section 8.1.3. The Manager, Emergency Planning shall identify deficiencies demonstrated by Site drills and shall ensure that corrective actions are implemented.

For drills held offsite, observer and participant comments will be forwarded to the Manager, Emergency Planning who is responsible for coordinating the SONGS Emergency Plan with the local jurisdictions' emergency plans. Revisions to the SONGS Emergency Plan are coordinated by the Manager, Emergency Planning. The Manager, Emergency Planning will review such comments and recommendations, and, if appropriate, submit to the local jurisdiction or the Interjurisdictional Planning Committee for disposition.

A major exercise will be conducted biennially, using a scenario appropriate to a Site Area Emergency or General Emergency condition. This exercise includes testing and evaluation of the following:

- Response coordination with offsite emergency organizations
- Emergency communications systems links
- Event notification procedures
- Corporate level response
- Adequacy of timing of response
- Content of Emergency Procedures
- Functioning of emergency equipment
- Duty assignments of emergency response personnel

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

The Manager, Emergency Planning is responsible for the planning, scheduling, and coordinating of the biennial emergency exercise, all onsite Emergency Plan related drills, including fire emergency drills, drills, communication tests, and the annual environmental monitoring drill. The Manager, Emergency Planning is responsible for the annual contaminated injury drill, and the offsite agency Field Team Communications drills. The Supervisor Training assists the Manager, Emergency Planning in carrying out these responsibilities.

When a biennial emergency exercise is to be conducted, the Manager, Emergency Planning will:

1. Assign personnel to prepare a scenario.
2. Coordinate efforts with other participating emergency personnel, organizations, and agencies.
3. Schedule a date for the exercise and arrange for qualified offsite observers.
4. Obtain the approval of the exercise date from the Vice President.
5. Critique the results of the exercise.
6. Identify deficiencies and organizations responsible for resolution of all deficiencies.
7. Track the corrective actions for exercise deficiencies.
8. Prepare and submit documentation to Training for record keeping.

8.1.3 EXERCISES AND DRILL FREQUENCY

8.1.3.1 Biennial Emergency Exercise (Responsibility: EP)

- An exercise appropriate to a Site Area Emergency or General Emergency, and which simulates conditions which would require protective response by offsite authorities shall be conducted at least once every two years as required by NRC guidance. This exercise shall test the integrated capability and a major portion of the basic elements of the Emergency Plan. The scenario will be varied from year to year so that all major elements of the Plan and the emergency organizations are tested within a six-year period. Consistent with the ability of offsite agencies to participate, this exercise should be scheduled to commence between the hours of 1800 and 0400 once every six years.
- A biennial exercise will involve participation by one or more offsite emergency response organizations as required by FEMA guidance. The biennial exercise with the offsite emergency response organizations will be integrated into the biennial emergency exercise conducted at SONGS.

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

- The State and local organizations participate in exercises as described in 10CFR50 Appendix E. The State of California should participate in an Ingestion Pathway Zone exercise at least once every six years, in a rotating schedule with existing nuclear power facilities in California. Local government agencies will participate in the Ingestion Pathway Zone exercise with the State.
- In years between State involvement in the biennial exercise, selected local government agencies will participate in a smaller scale drill which involves testing communication links and other aspects of their emergency plans as determined by FEMA and the Nuclear Regulatory Commission (NRC).
- Federal agencies will normally participate in an exercise at SONGS at least once every six years.
- Participation of the general public in exercises is not mandatory.
- Each biennial exercise will be observed and critiqued by qualified federal observers. A formal evaluation will result from these critiques. The exercise may also be observed by state and local government representatives who may offer informal comments of their observations.

8.1.3.2 Fire Emergency Drills (Responsibility: OPS)

- Each member of the SONGS Fire Department shall participate in training, including drills that meet or exceed the requirements as defined in the Updated Fire Hazard Analysis (UFHA) Section 2.4.1, Fire Department Training, and Appendix D, Section B, Administrative Procedures, Controls, and Fire Brigade.
- At least one drill per calendar year shall involve the participation of the Camp Pendleton Fire Department.
- At least one drill per shift per calendar quarter for SONGS Fire Department shall be conducted. These drills will be conducted in accordance with the Emergency Services Officers Training Program.

8.1.3.3 Contaminated Injury Drill (Responsibility: EP)

- At least one drill per calendar year shall be conducted. The drill will involve the participation of some, if not all, of the local medical support personnel and organizations (e.g. physicians, ambulance services, and hospitals) and shall involve one or more contaminated/injured individuals. This drill may be included in the biennial emergency exercise.

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

8.1.3.4 Environmental Monitoring Drill (Responsibility: EP)

- At least one drill involving collection and analysis of radiological sample media (e.g., water, air, soil and vegetation) both onsite and offsite shall be conducted annually. This drill should include record-keeping and communications.

8.1.3.5 Radiation Protection Drills (Responsibility: EP)

- Drills involving response to simulated abnormal airborne and liquid samples and direct radiation measurements in the site environs, and analysis of these samples shall be conducted semi-annually for Nuclear Chemistry and Radiation Protection Technicians.

8.1.3.6 Communication Drills (Responsibility: EP)

- The communication links with Federal, State, and local governments within the plume exposure EPZ shall be tested monthly, in accordance with surveillance procedures. The surveillance procedure, when completed, will serve as a written critique.

8.1.3.7 Field Team Communications Drill (Responsibility: EP)

- The communication links between SONGS EOF and State and local emergency operations centers and field assessment teams shall be exercised at least annually.

8.1.4 MANAGER EMERGENCY PLANNING

The responsibilities of the Manager, Emergency Planning shall include:

1. Ensuring consistency between the EPIPs and the SONGS Emergency Plan.
2. Ensuring that the EPIPs are properly coordinated and interfaced with other Site procedures (e.g., Administrative Procedures, Security Procedures, Radiation Protection Procedures, and Training Memorandums).
3. Providing emergency preparedness training for the SONGS firefighters.
4. Coordinating onsite Emergency Plan related drills.
5. Evaluating Site drill performance, identifying deficiencies, and ensuring corrective actions are implemented.
6. Participating in the coordination of Emergency Plan training requirements for onsite and offsite SCE personnel.
7. Reviewing Emergency Plan training qualifications of Site emergency response personnel.

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

8. Coordinating the review of the SONGS Emergency Plan and EIPs on an annual basis.
9. Ensuring this Emergency Plan conforms to the NRC regulations and regulatory guidance.
10. Ensuring the maintenance and inventory of Site emergency equipment, supplies, and facilities as specified in EIPs.
11. Coordinating the scheduling and critique of the annual emergency exercise.
12. Coordinating the SONGS Emergency Plan requirements with those set forth in the SONGS Physical Security Plan and Safeguards Contingency Plan.
13. Monitoring the performance of the Community Alert Siren System.
14. Ensuring the coordination of this Emergency Plan with the Federal, State and local emergency plans.
15. Coordinating emergency plans with the Federal Emergency Management Agency.
16. Maintaining and operating the Joint Information Center.
17. Developing and maintaining the Public Information Program.

8.1.5 EMERGENCY PLANNING COUNCIL

The Emergency Planning Council has been established to coordinate the emergency planning program at SCE. The members consist of the Manager of NRA/EP (Chairman); Manager, Emergency Planning; and the Training Supervisor or their designated alternates. The primary function of the Emergency Planning Council is coordination of all aspects of the Southern California Edison Emergency Planning Program. The Emergency Planning Council meets at least once per quarter.

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

8.2 REVIEW AND UPDATING

Review and updating of the SONGS Emergency Plan is the responsibility of the Manager, Emergency Planning. Recommended changes may result from exercises, drills, changes in operating procedures or conditions, and/or changes in regulatory or other requirements. Any changes made to the Plan will be published under the direction of the Manager, Emergency Planning.

Independent audits of the Emergency Planning Program will be conducted in accordance with the provisions of 10CFR50.54(t). Holders of uncontrolled copies of the SONGS Emergency Plan will be appraised of all revisions and are responsible for maintaining their copies in an up-to-date condition.

The Manager, Emergency Planning shall ensure that all letters of agreement involving the local jurisdictions, including arrangements for medical services, are reviewed, at least annually, to certify the agreements are still valid. The Manager, Emergency Planning shall be responsible for all other letters of agreement in the Emergency Plan.

To ensure continued capability to notify offsite agencies, all primary and alternate telephone numbers for offsite agencies are verified periodically. All primary emergency response groups are contacted quarterly to verify continued applicability of the telephone numbers on the emergency call list, and to ascertain if there have been any changes which may require a revision of the Emergency Plan or EPIPs.

8.3 MAINTENANCE AND INVENTORY/INSPECTION OF EMERGENCY EQUIPMENT AND SUPPLIES

Site emergency kits are inventoried and inspected at least quarterly in accordance with EPIPs. Radiation Protection equipment contained in these kits is maintained and calibrated in accordance with current Radiation Protection procedures. Any deficiencies found during inventory and inspection will either be cleared immediately or documented for corrective action.

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

8.4 PUBLIC INFORMATION

Southern California Edison Company in cooperation with state, county and local authorities, has developed, and will disseminate, emergency planning instructional material to residents, business owners, and transients in the Emergency Planning Zone to ensure that the permanent and transient adult population is provided an adequate opportunity to become aware of this information annually. This information is included in the Orange County South and the San Diego County North SBC Telephone directory customer guide white pages. This instructional material will include:

- Basic information on radiation
- Contact names for additional information
- Protective measure instructions
- Special arrangements for those needing assistance in the event of an evacuation
- Emergency levels
- Notification process
- Sheltering and evacuation
- Reception Centers
- Transportation

The Company, in cooperation with state, county and local authorities, has developed and placed emergency information for residents and business owners in the Public Education Zone (the area within approximately a 10 to 20 mile radius of the plant) in the San Diego County North and Orange County South SBC Telephone directory customer guide white pages.

8.5 EMERGENCY COMMUNICATIONS TESTING

The following describes the testing program for emergency communications.

8.5.1 TELEPHONE COMPANY SYSTEM DIRECT LINES

The Telephone Company System direct lines located in the Control Room and other normally staffed locations are routinely used in the performance of normal Station activities and are therefore exempt from periodic testing.

8.5.2 SCE PRIVATE AUTOMATIC EXCHANGE SYSTEM (PAX)

PAX telephones are routinely used in the performance of normal Station activities and are therefore exempt from periodic testing pursuant to this Emergency Plan.

8.5.3 SCE AND SDG&E MAGNETO SYSTEM

SONGS EMERGENCY PLAN

8.0 MAINTAINING EMERGENCY PREPAREDNESS

The magneto systems are routinely used by shift personnel in the performance of routine Station activities and are therefore exempt from periodic testing pursuant to this Emergency Plan.

8.5.4 STATION PUBLIC ADDRESS SYSTEM

The Station public address system is routinely used in the performance of normal Station activities and is therefore exempt from periodic testing pursuant to this Emergency Plan.

8.5.5 TWO-WAY RADIO (UHF PAGING SYSTEM)

The UHF paging system is routinely used by shift personnel in the performance of routine Station activities and is therefore exempt from periodic testing.

8.5.6 EMERGENCY COMMUNICATIONS

The following communications systems will be tested at least monthly (use of these communication systems in drills or an actual emergency will satisfy the testing requirement).

- All telephones and other communication equipment located in the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility which are direct lines to the primary response agencies.
- USMC PAX Telephone System (Black Phone)
- USMC Fire Dispatch Radio
- USMC Fire Telephone (Orange Phone)

8.5.7 NRC HOTLINES

The NRC Hotline (ENS and HPN) will be tested in accordance with EPIPs and current NRC directives on the use of these systems.

8.5.8 PORTABLE RADIO TRANSCEIVERS

Portable radio transceivers stored in emergency kits and emergency equipment cabinets will be tested at least quarterly as part of the inventory and maintenance of emergency equipment specified in Section 8.3 of the Emergency Plan.

SONGS EMERGENCY PLAN

TABLE 8-1 INITIAL TRAINING AND PERIODIC RETRAINING

PERSONNEL CATEGORY	PERSONNEL	REQUIREMENTS
Plant Access Personnel	All	Basic Emergency Plan Orientation
Emergency Response Organization Personnel	All	As defined in SONGS Nuclear Training Program Description
Emergency Classification and Coordination (Operations and Technical)	Emergency Coordinator Corporate Emergency Director Station Emergency Director TSC Emergency Advisors TSC Manager Shift Manager (Units 2/3) Technical Leaders	As defined in SONGS Nuclear Training Program Description
Emergency Coordination (Operations and Technical)	Emergency Planning Coordinators	As defined in SONGS Nuclear Training Program Description
Radiation Protection Support	RP Leaders RP Engineer RP Supervisor RP Technician	As defined in SONGS Nuclear Training Program Description
Chemistry Support	Chemistry Coordinator Chemistry Supervisor Nuclear Chemistry Tech Chemistry Engineer	As defined in SONGS Nuclear Training Program Description
Security	Security Director Security Leader Security Coordinator Security Officer	As defined in SONGS Nuclear Training Program Description
Administrative Support	Administrative Leader	As defined in SONGS Nuclear Training Program Description
Communications Support	Shift Communicator PAX Switchboard Operator	As defined in SONGS Nuclear Training Program Description
Maintenance Support	Emergency Group Leader Maintenance Coordinator General Maintenance Support	As defined in SONGS Nuclear Training Program Description

SONGS EMERGENCY PLAN

TABLE 8-1 INITIAL TRAINING AND PERIODIC RETRAINING (Cont.)

PERSONNEL CATEGORY	PERSONNEL	REQUIREMENTS
Fire Protection, Rescue, and First Aid	Emerg. Services Coordinator Firefighters	SONGS Fire Department/firefighter Training Program
Medical Support Personnel	Physicians with SCE Company Agreements Selected Hospitals Personnel at hospitals with SCE Agreements Selected Ambulance Service Personnel at Ambulance Services with SCE agreements	Offsite Medical Emergency Training Program

SECTION 9

RECOVERY

SONGS EMERGENCY PLAN

9.0 RECOVERY

Recovery actions are taken after an emergency to restore the plant to as nearly as possible its pre-emergency condition. The Emergency Coordinator has the responsibility for determining and declaring when an emergency situation is stable and has entered the recovery phase. Evaluation of the status of the emergency will be made by observing instrument readings and reviewing all current and pertinent data available. The emergency shall be considered under control and in the recovery phase only when the following general guidelines have been met:

- Reactor and associated systems are considered to be in a safe, stable condition.
- Radiation levels in all in-plant areas are stable or decreasing with time.
- Release of radioactive materials to the environment from the plant are under control.
- Fire, flooding, or similar emergency conditions are controlled.
- Contaminated/injured personnel have been transferred to a hospital or have received appropriate medical treatment.
- The need for emergency response activities is significantly reduced. The event may or may not be closed out.

Upon declaration that an emergency has entered the recovery phase, the Emergency Coordinator shall be responsible for providing notification to all applicable agencies (e.g., Federal, State, County, etc.) that the emergency has entered a recovery phase.

Recovery actions that plan for, or may result in, radioactive release will be evaluated by the Recovery Manager and the Recovery Manager's staff as far in advance of the event as possible. Such events and data pertaining to the release will be reported to the appropriate offsite emergency response organizations and agencies.

Termination from an emergency condition will be through joint evaluation by the organizations involved. In the case of a severe emergency involving offsite consequences, this would include the Recovery Manager, CAL OES, Orange County, San Diego County, San Clemente, San Juan Capistrano, Dana Point, California Department of Parks and Recreation, Camp Pendleton and the NRC. All emergency response and support organizations shall be promptly notified of the termination of the emergency, and/or the initiation of recovery operations, in the same manner as was used for initial notification as described in Section 6.

SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

9.1 RECOVERY ORGANIZATION

9.1.1 SHORT TERM RECOVERY PLAN

The Technical Support Center organization will handle recovery efforts where post-accident conditions are uncomplicated and expected to be of short duration. This staff may be augmented as necessary to ensure a proper recovery effort.

9.1.2 LONG TERM RECOVERY PLAN

9.1.2.1 Introduction

The experiences at Three Mile Island suggest that SONGS (if experiencing a similar situation) could need resources beyond inhouse capabilities in order to minimize public consequences following a nuclear accident. Such resources properly organized and readily available would provide an additional measure of protection to the public.

9.1.2.2 Discussion

Following a nuclear accident, a utility may encounter significant problems in fully utilizing resources supplied from outside the plant organization, particularly if these resources must be supplied from outside of SCE. Such problems may include:

- Internal and external communication
- Definition of regulatory and governmental interfaces
- Availability of recovery equipment and supplies
- Use of specialized disciplines and skills

This recovery plan provides a preplanned organizational approach as a framework within which SONGS 1, 2 and 3 can respond to the specific emergency conditions which may occur but for which the detailed situation cannot be fully foreseen in advance. Use will be made of existing SCE capabilities, facilities and equipment supplemented if necessary by a national inventory of personnel and material. This national inventory is maintained by the Institute of Nuclear Power Operations (INPO).

The necessity for a long term recovery organization presumes the declaration of a Site Area or General Emergency, and that at either level, NRC concurrence will, in all likelihood, be a prerequisite to restart. Accordingly, the typical organization provided for in this plan should be tailored and augmented with this consideration in mind and depending upon the particular circumstances.

SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

9.1.2.3 Critical Elements of the Recovery Plan

The SONGS Emergency Plan has detailed the immediate response required for an emergency condition existing at the plant. This immediate response makes use of SCE personnel, facilities, and equipment and is directed toward stabilizing plant conditions and terminating or minimizing offsite radiological releases.

However, the emergency condition might be of such magnitude, nature, or be so time consuming that the recovery efforts overextend the SCE resources and additional support would be required in the following areas:

- Manpower to augment SCE's operative personnel
- Manpower in specialized disciplines beyond the capability of SCE resources, such as consultants for special technical problems
- Additional and more specialized emergency response equipment and services

SONGS recovery personnel must be able to request and receive this type of support from interior sources. This plan identifies certain sources of support that SONGS will be able to call upon in a severe emergency.

Separate prearranged agreements have been developed to cover compensation, insurance and other considerations associated with the use of external support.

9.1.2.4 Recovery Organization

Figure 9-1 shows the typical key positions of the Recovery Organization for SONGS. A Recovery Organization will be activated when a long term recovery effort is required. The Vice President and Chief Nuclear Officer will be involved in the emergency response activities prior to the recovery phase so that the Vice President and Station Manager may determine at what point in time and to what degree the recovery organization should be activated.

The key positions with major functions for the recovery should be considered as follows:

- Vice President and Station Manager

Responsible for selecting the Recovery Manager and the senior management personnel to fill the key positions in the long term recovery organization and for implementation and coordination of the recovery Operations

SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

- **Recovery Manager**

The designated senior manager who has the requisite authority, experience and technical expertise to manage the recovery operations. The Recovery Manager will oversee the operations of the various functional groups and ensure that all activities, proposed courses of action and contingency plans receive proper analysis, review, and coordination.

- **Plant Restart Manager**

The designated senior manager responsible for coordinating all operations, technical, radiation protection, and scheduling support for restart of the plant. This person reports directly to the Recovery Manager.

- **Restart Operations Manager**

The designated senior manager responsible for all plant operations and maintenance activities, terminating or minimizing offsite radiological releases, stabilizing plant conditions and restoring the plants ability to function normally, and responding to any further emergencies. This person reports to the Plant Restart Manager and is responsible for the plant operations function of the Technical Support Center.

- **Restart Technical Support Manager**

The designated senior manager responsible for providing engineering plant technical planning and analysis, procedure support and data reduction and management. This person reports to the Plant Restart Manager.

- **Restart Radiation Protection Manager**

The designated senior manager responsible for controlling and limiting personnel radiation exposures, development and/or approval of all Radiation Protection procedures and in-plant Radiation Protection management. This person reports to the Plant Restart Manager.

- **Restart Radwaste Supervisor**

The designated senior manager responsible for safely and effectively managing the quantities of radioactive gases, liquids and solids that might exist during the initial phases of the recovery period. Subsequently, this person is responsible for the development and implementation of short and long term plans to manage and process contaminated solids, liquids, and gases; quantifying the degree of contamination of buildings and systems; and the establishment of

SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

processing priorities based on plant needs. This person reports to the Restart Radiation Protection Manager.

- Plant Modifications Manager

The designated manager responsible for providing the engineering, design, materials and construction necessary to complete the required modifications to plant systems, equipment and structures. This person also coordinates the activities of SCE and contractor construction forces. This person reports directly to the Recovery Manager.

- Recovery Coordinator

The designated coordinator responsible for operation of the Emergency Plan function of the EOF and serves as the official contact with state and local governments. The Recovery Coordinator is responsible for implementing the SONGS 1, 2 and 3 Emergency Plan particularly with respect to offsite radiological consequence assessment. This person reports directly to the Recovery Manager.

- Advisory Support Manager

The designated manager responsible for objective review of potential problems, maintaining awareness of current plant and core status, and for providing independent assessment based on experience and judgement. The Advisory Support Manager will coordinate those senior technical personnel who serve in an advisory capacity to the Recovery Manager. Typically the advisors will consist of senior representatives from the plant NSSS, the architect/engineer, and other technical consultants. This person reports to the Restart Technical Support Manager.

- Restart Scheduling and Planning Manager

The designated manager responsible for setting priorities, developing plans and schedules, coordinating and monitoring the status of tasks, reporting on the work progress of all technical groups, and serving as a liaison with the Nuclear Regulatory Commission. This person reports to the Plant Restart Manager.

- Administration and Logistics Manager

The designated manager responsible for providing necessary administrative and logistics requirements such as communications, manpower, transportation, commissary arrangements, accommodations, clerical support, temporary office space, and equipment. This person reports directly to the Recovery Manager.

SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

- Nuclear Communications Manager

The designated manager responsible for the preparation and dissemination of news releases. This person reports to the Recovery Coordinator.

- Joint Information Center Director |

The designated manager responsible for providing accurate and timely information to the public through the news media and coordinating this information with federal, state and local public relations officials. The Joint Information Center (JIC) Director will manage the JIC including liaison activities with the news media. This person reports to the Recovery Coordinator.

9.1.2.5 Facilities and Communications

Four coordinated emergency facilities are activated for the recovery phase of the emergency response. These facilities are interconnected with communications systems to support the recovery operation. Figure 9-2 shows the facilities and communications flow. The four key facilities are:

- Technical Support Center

The Technical Support Center provides a main communications link between the plant and the Recovery Center. The plant operations function is related to the requirements of the Plant Restart Manager.

- Operations Support Center

This center is a staging area for shift personnel to report for instructions from the Restart Operations Manager or the Restart Operations Manager's staff. Communications are provided to the Control Room and Technical Support Center.

- Recovery Facility

This facility is operated by the Recovery Manager and is the command center for all recovery operations and Emergency Plan functions under the control of the Recovery Manager. The Recovery Facility is located in the Emergency Operations Facility. It consists of two functions, The Recovery Center function operated by the Recovery Manager and the Joint Information Center function operated by the JIC Director. The JIC function may also make use of a separate news facility for major news conferences and briefings to the news media when appropriate.

SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

9.1.2.6 Staffing the Recovery Team

SCE is responsible for filling the key positions of section 9.1.2.4. The personnel to be assigned the various positions will depend upon the type of recovery response required. An up-to-date roster of SCE personnel who may be assigned to fill key positions in the recovery organization is maintained within the nuclear organization. The Vice President and Site Manager is responsible for assigning personnel to the recovery phase of the emergency from the current roster.

Assistance from outside SCE may be required to meet the needs of the recovery function. For this purpose, an inventory list of individuals and skills available as identified throughout the nuclear power industry is maintained by the Institute of Nuclear Power Operations (INPO) and current rosters made available to SCE.

9.1.2.7 Material, Equipment and Service Inventory

A listing will be maintained by INPO of utility, vendor, construction and service equipment, materials and special services which might be required in emergency situations. This inventory will provide information on applicability, location and availability. It should be comprehensive and be maintained up-to-date. Appendix B contains a letter confirming that the INPO information is available to SCE.

9.2 REENTRY TO STATION

Radiation Protection Procedures delineate precautions and instructions to ensure a safe re-entry into areas that have been evacuated during the emergency. Reentry will be made to perform essential tasks such as saving human life, controlling release of radioactive materials, and preventing additional damage to plant and equipment. Allowable occupancy times and applicable radiation exposure criteria for individuals performing these tasks will be determined by local area surveys. The criteria of 10CFR20 shall apply.

9.3 POST-ACCIDENT EVALUATION

Following the termination of the emergency phase of the accident and the commencement of recovery operations, appropriate evaluations to assess Station conditions will be performed. The outcome of these evaluations will form the basis of recovery planning and licensee event reports to the NRC. The scope of these evaluations will be consistent with the emergency classification, the nature of the initiating events, and the preliminary assessment of station equipment status.

One of the evaluations to be performed will be the estimation of the total population exposure that is the consequence of radioactivity releases during an emergency. Analyses will be performed to estimate population exposure from all applicable exposure pathways identified in Regulatory Guide 1.109. The analyses will utilize monitoring and sampling data obtained during the incident along with concurrent meteorology. The methodology for performing these analyses will be consistent with Regulatory Guide 1.109. Emergency Plan Implementing Procedures provide guidance and methods for performing radiological analyses.

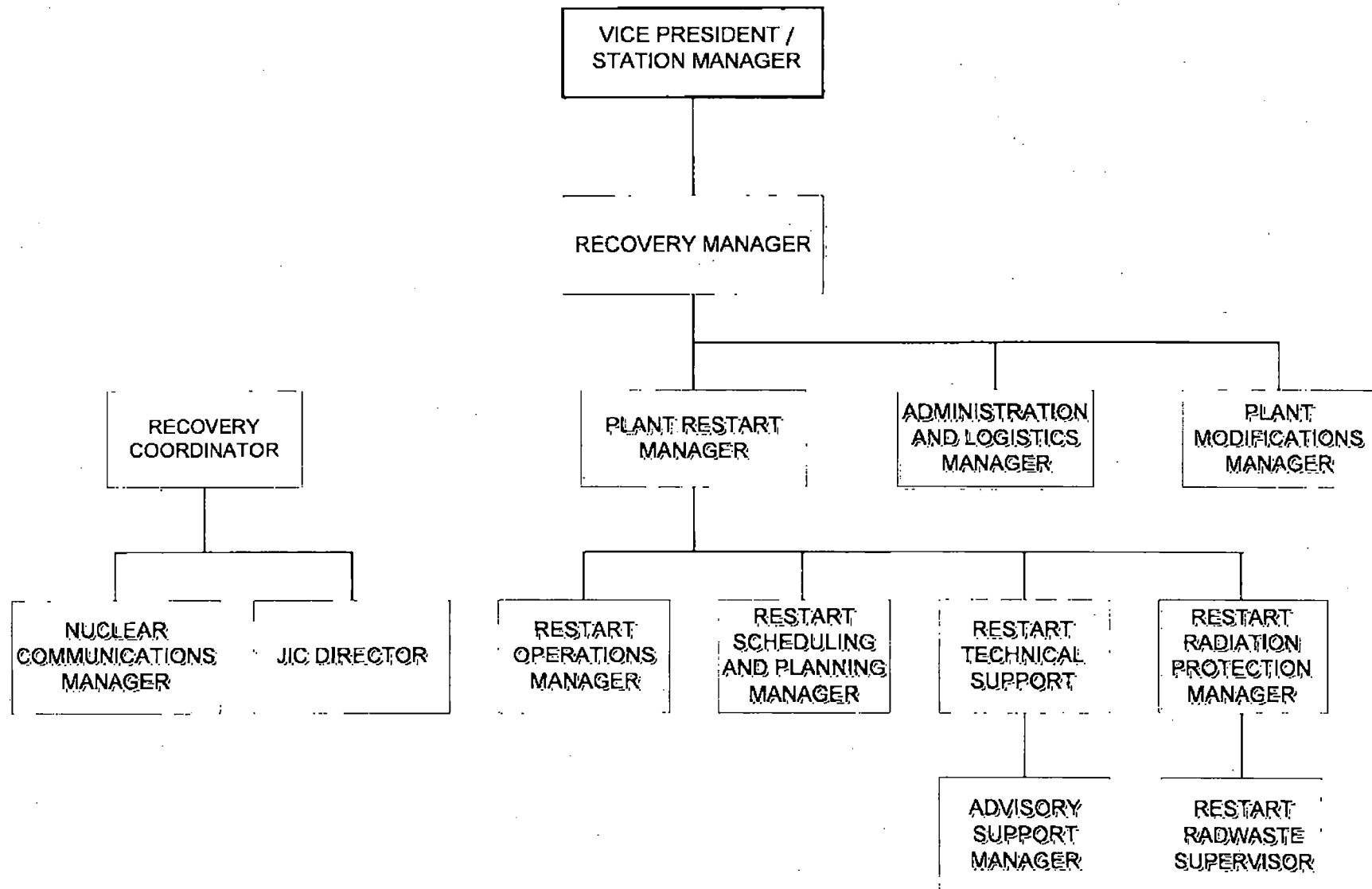
SONGS EMERGENCY PLAN

9.0 RECOVERY (Continued)

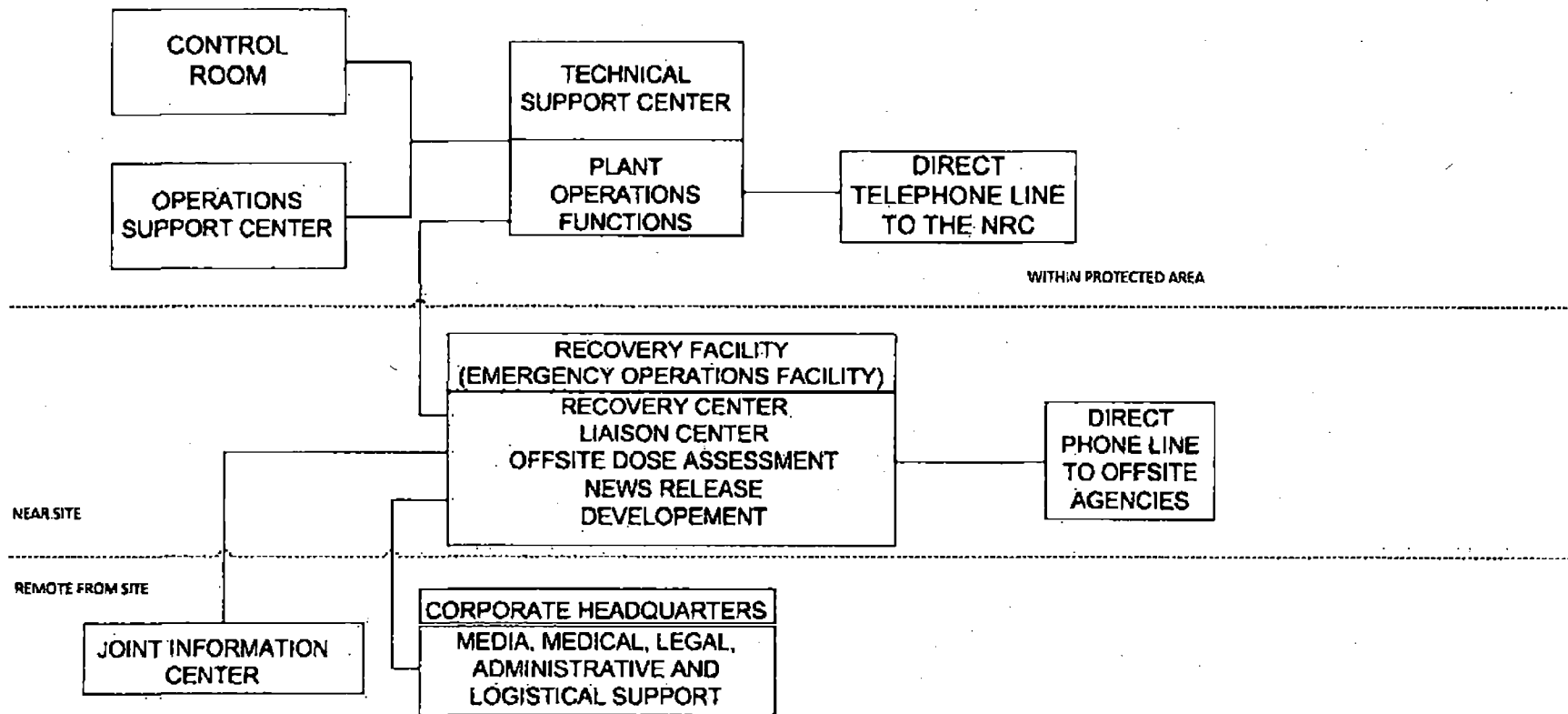
9.4 RESUMPTION OF OPERATION

- Station operation shall be permitted to resume only after repair or replacement of damaged systems. Compliance with these requirements will be assured by an operating review committee and completion of any licensing review and approvals.

TYPICAL KEY POSITIONS OF THE RECOVERY ORGANIZATION
FIGURE 9-1



FACILITIES AND COMMUNICATIONS FLOW FIGURE 9-2



LETTERS OF AGREEMENT

INTERJURISDICTIONAL PLANNING COMMITTEE

DOCTORS

HOSPITALS

TRANSPORTATION

FIRE

AMERICAN NUCLEAR INSURERS

APPENDIX A

INTERJURISDICTION PLANNING AGREEMENT
FOR SONGS RESPONSE OPERATIONS

This Agreement is entered into by the following: County of Orange, City of San Juan Capistrano, City of San Clemente, the Marine Corps Base at Camp Pendleton, the State Department of Parks and Recreation, the County of San Diego, and the Southern California Edison Company.

The purpose of this Agreement is to formally establish a mechanism for coordinated and integrated preparedness for a response to potential atmospheric releases at San Onofre Nuclear Generating Station (SONGS). Nothing contained in this Agreement shall be construed as repealing or modifying any existent Agreements, including mutual aid agreements. Moreover, during emergency response each jurisdiction retains all of its legal authority and responsibilities. This agreement does not obligate any party hereto to make any payment or any fund transfer to any other party to the Agreement for any reason whatsoever.

An Interjurisdictional Planning Committee (IPC) is hereby designated to formulate interjurisdictional procedures required to implement decisions related to preparedness for emergency response to potential or actual emergency at SONGS.

The IPC is comprised of one appointed member and one alternate for each of the partner jurisdictions; each partner jurisdiction has one vote. The IPC may, at its discretion, invite other interested advisors (e.g. from California OES, NRC, and/or FEMA), but the advisors are non-voting.

This Agreement incorporates by reference all interjurisdictional procedures (IP) as adopted by the IPC (Attachment I and includes IP nos. 1, 2, 3, 4, 5, 6, 7, 11, 13, & 20). Additional Reference Information includes all IP's 1-22: Attachment 1-A.

This Agreement forms the basis for development of interjurisdictionally consistent plans and procedures. This Agreement specifically encompasses the following procedures:

- A. Use of interjurisdictional communications systems.
- B. Use of specific operational facilities, including: the Emergency News Center (ENC).

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- 1 C. The Offsite Dose Assessment Center (ODAC).
- 2 D. The Emergency Operating Facility (EOF), and Liaison personnel assigned there.
- 3 E-1. Alerting the Emergency Organization.
- 4 E-2. Warning the public through the activation and use of sirens, the Emergency
- 5 Broadcasting System, and public address systems.
- 6 F-1. Protective Actions within the Emergency Planning Zones as defined in the
- 7 respective jurisdictional plans.
- 8 F-2. Coordination of declarations of local emergencies.
- 9 G. Development of a coordinated training exercise program among all juris-
- 10 dictions.
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Interagency Agreement for SOHQS
Response Operations

APPROVALS AND CONCURRENCES

County of Orange	<u><i>Muesel</i></u>	Date	<u><i>6/14/82</i></u>
City of San Juan Capistrano	<u><i>James H. Beck</i></u>	Date	<u><i>6/17/82</i></u>
City of San Clemente	<u><i>William C. Nielsen</i></u>	Date	<u><i>6/16/82</i></u>
Marine Corps Base Camp Pendleton	<u><i>A. E. Crane</i></u>	Date	<u><i>6/22/82</i></u>
California State Dept. of Parks and Recreation	<u><i>H. L. Hinge</i></u>	Date	<u><i>6-14-82</i></u>
County of San Diego	<u><i>Peter A. Cressman</i></u> <small>Clerk of the Board of Supervisors</small>	Date	<u><i>7-13-82 (11)</i></u>
Southern California Edison Company	<u><i>Robert Smith</i></u>	Date	<u><i>7/30/82</i></u>

-3-

*Approved & for liability
Donald L. Cleary, County Counsel
By *[Signature]*, Deputy*

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ATTACHMENT 1

A. Procedure involving utilization of In-Place Emergency Communications Systems

The purpose of this procedure is to describe available emergency communications systems and their functions. This procedure also describes the specific means to be used to exchange emergency information.

Reference Information:

Interjurisdictional Procedure #7, Emergency Communications

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1 B. Procedure involving utilization of the Emergency News Center (ENC)

2
3 The purpose of this procedure is to identify the Emergency News Center and to
4 maintain a system for the dissemination of public information in the event
5 of an emergency at the San Onofre Nuclear Generating Station.

6
7 Each jurisdiction/agency will assign Public Information Officer (PIO) personnel
8 to report to the Emergency News Center upon declaration of an "ALERT" to
9 establish and maintain PIO interagency and jurisdictional coordination, com-
10 munication with their respective ENC personnel and dissemination for public
11 information.

12
13 Reference Information:

14 Interjurisdictional Procedure #6, Public Information, with attachments.

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1 C. Procedure involving utilization of the Offsite Dose Assessment Center (ODAC)
2

3 The purpose of this procedure is to identify the ODAC and define its function
4 which is to assess environmental, meteorological, and radiological data received
5 from the field (in order to provide offsite jurisdictions technical interpre-
6 tations and support for determination of recommended protective actions) and to
7 assess data received from Edison facilities, and to supervise the radiological
8 monitoring teams.
9

10 Reference Information:

11 Interjurisdictional Procedure #11, Radiological Monitoring and Assessment.

12 Additional Reference Information:

13 Emergency Operations Facility, Plans and Procedures as it relates to ODAC operation.
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1 D. Procedure Involving utilization of the Emergency Operations Facility (EOF)

2
3 The purpose of this procedure is to identify the Emergency Operations Facility
4 and its function as an information/coordination post for all jurisdictions/agencies
5 having primary emergency responsibilities for an incident at San Onofre Nuclear
6 Generating Station.

7
8 Reference Information:

9 Interjurisdictional Procedure #2, Emergency Operations Center Operations.
10 Interjurisdictional Procedure #3, Emergency Operations Facility Liaison.

11
12 Additional Reference Information:

13 Emergency Operations Facility, Plans and Procedures as it relates to the EOF.
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2 E-1. Procedure involving notification of the emergency response officials in
3 all jurisdictions.

4 The purpose of this procedure is to detail actions to be taken by the Utility
5 (SCE) and the various jurisdictions to notify responsible officials of an incident
6 at the San Onofre Nuclear Generating Station.

7
8 Reference Information:

9 Interjurisdictional Procedure #4, Notification.

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E-2. Procedure involving the utilization of the Alert/Warning System.

The purpose of this procedure is to identify the Alert/Warning System and its function which is to provide a means for alerting the public to an impending notification (by public authorities) via the use of sirens, the Emergency Broadcast System (EBS) radio or other broadcast media, and/or other public address systems.

Reference Information:

Interjurisdictional Procedure #5, Alert/Warning.

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1 E-1. Procedure involving utilization of Protective Actions within the Emergency
2 Planning Zone as defined in the respective jurisdictional plans.
3 The purpose of this procedure is to define the following areas of concern:
4 Developing a basis for recommending protective actions to the public.
5 Actions of taking ingestion pathway samples by the EOC sampling teams.
6 Determining the nature and extent of radioactive contamination of milk, water,
7 food and forage within the ingestion pathway.

8
9 Reference Information:

10 Interjurisdictional Procedure #13, Ingestion Pathway Protective Actions.

11 Additional Reference Information:

12 Emergency Operations Facility Plans and Procedures as it relates to ODAC operations.

13 Additional Reference Information:

14 Interjurisdictional Procedure #1, Direction and Control.

F-2. Procedure for coordinating actions prior to declaration of "local emergency"

The purpose of this procedure is to define the method for coordinating a declaration of "local emergency"

Meteorological data will have an influence on officials declaring or not declaring a "local emergency". Following a discussion by all involved jurisdictions, a determination will be made as to the advisability of declaring a "local emergency", and which agencies will make the declaration (s) of said emergency.* Once consensus has been achieved, either the Operational Area Coordinators (Chairpersons of the Board of Supervisors) from the Counties of Orange and San Diego will issue a declaration of "local emergencies", or individual jurisdictions will issue a declaration of a "local emergency".

A dedicated interagency telephone network (yellow phones) exists for purposes of a conference call among all involved jurisdictions. This system will expedite obtaining consensus from all officials prior to declaration of a "local emergency".

Reference Information:

Interjurisdictional Procedure #1, Direction and Control

Additional Reference Information:

Interjurisdictional Procedure #6, Public Information, including attachments.

* Each jurisdiction retains all of its legal authority and responsibilities. Should the Counties of Orange and San Diego declare "local emergencies", it should be noted that all city jurisdictions within the boundaries of said Counties would be protected under a blanket declaration.

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1 G. Procedure for Coordinating Training Exercise Programs among jurisdictions
2 involved in a SONGS emergency response.
3

4 The purpose of this procedure is to ensure that maximum effectiveness is obtain
5 from all jurisdictional plans that are developed, and that affected personnel
6 are proficient in their assigned responsibilities. This proficiency can be
7 obtained by active interjurisdictional participation in a training program.
8

9 Reference Information:

10 Interjurisdictional Procedure #28, Training.

11
12 Additional Reference Information:

13 Attachment 2 to this Agreement.
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-13-

ATTACHMENT 2

SCHEDULE OF EXERCISES/DRILLS/ACTIONS

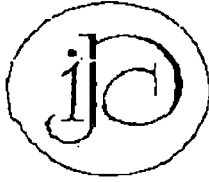
	Yearly	Semi-Annual	Quarterly	Monthly	Periodic
1. Public Information - Telling the public how they will be notified and what their actions should be in an emergency.					X
2. Public Information - To acquaint news media with the emergency plans, information concerning radiation, and points of contact for release of public information in an emergency.	X				
3. Emergency Communications - Each organization shall conduct periodic testing of the communication system.					X
4. Emergency Equipment - Inspect, inventory and operationally check emergency equipment/instruments quarterly and after each use.			X		
5. Exercise - Each organization shall conduct an emergency response exercise prior to adoption of the Plan and at least annually thereafter.			X		
6. Communication Drill - Communications with State and Local governments within the plume exposure pathway, EPZ.					X
7. Communication Drill - Communications with Federal emergency response organizations and States within the ingestion pathway shall be tested.			X		
8. Communication Drill - Communications between the nuclear facility, state and local EOCs and field assessment teams.			X		
9. Medical Emergency Drill - Involving a simulated contaminated individual which contains provisions for participation by the local service agencies.			X		

- Notes: 1. Items 1-8 are to be accomplished in cooperation with both facility operators and the appropriate state agencies.
2. Item 9 is to be accomplished in cooperation with the appropriate State agencies.
3. There are additional exercises and drills for which the operators and State are responsible and local government may wish to participate.

INDEX OF INTERJURISDICTIONAL PROCEDURES

1. Direction/Control
2. EOC Operation
3. EOF Liaison
4. Notification
5. Alert/Warning
6. Public Information
7. Communications
8. Evacuation/Sheltering
9. Transportation
10. Reception and Care Center
11. Radiological Monitoring and Assessment
12. Decontamination
13. Ingestion Pathway Protective Actions
14. Potassium Iodide Use
15. Law Enforcement/Security
16. Traffic Control
17. Fire/Rescue
18. Medical/Public Health
19. Recovery
20. Training
21. Exercises
22. Logistical Support

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interjurisdictional planning committee

County of Orange • County of San Diego • City of San Clemente • City of San Juan Capistrano
City of Dana Point • (UNION) SONGS • Irvine • Costa • Southern California Edison

January 29, 1984

Mr. William Talley
11281 Golden Lantern
Dana Point, CA 92629

Dear Bill:

As discussed and agreed at the Interjurisdictional Planning Committee (IPC) meeting of June 14, 1983, the City of Dana Point is formally invited by the member organizations of the IPC to become the eight voting member of this committee, established in 1982.

The IPC was formed to provide for the coordination and intergration of individual jurisdictions' emergency plans in response to a potential atmospheric release at the San Onofre Nuclear Generating Station (SONGS).

For your reference and planning purposes, a copy of the Interjurisdictional Planning Agreement for SONGS Response Operations is attached. It reflects those areas of activities that are common among the jurisdictions in the SONGS Emergency Planning Zone for which coordination is necessary.

We anticipate the expertise your city will bring to our committee and look forward to working with you in the future to the mutual benefit of all our constituents.

Sincerely,

Allen Oliver, Jr.
Chairman
Interjurisdictional Planning Committee

cc: IPC Members

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City of Dana Point

33282 Golden Lantern, Dana Point, Ca 92629
(714) 248-3560 FAX (714) 248-9920

Joan Krohn
Mayor

Bill Bonatti
Mayor Pro Tem

Judy Curren
Councilwoman

Michael Eggers
Councilman

Irene MacCabe
Councilwoman

February 23, 1990

Mr. Allen Oliver, Jr.
Chairman
Interjurisdictional Planning Committee
c/o California State Parks
3030 Avenida del Presidente
San Clemente, CA 92672

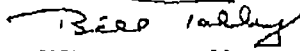
Dear Al:

Thank you for your letter of January 29 formally inviting the City of Dana Point to become the eighth voting member of the IPC.

We look forward to participating fully in the activities of the IPC and anticipate that Dana Point will benefit from the Committee's collective experience as we develop our emergency services program.

The City's representative to the IPC will be the Emergency Services Coordinator, Andy Anderson.

Sincerely,



William O. Talley
City Manager

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January 23, 2013

Tony Struthers
Administrator
Saddleback Memorial Medical Center, San Clemente Campus
654 Camino Los Mares
San Clemente, CA 92672

Subject: 2013 Review of Medical Agreement

Mr. Struthers:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated April 6, 2008. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3664

Enclosure

The agreement is considered current and valid

Signed

Date 1/23/13

PO Box 128
San Clemente, CA 92674-0128



January 23, 2013

Laura E. Guest, R.N., A.N.P.
Premier Physicians Medical Group
675 Camino Los Mares Suite 300
San Clemente, CA 92672

Subject: 2013 Review of Medical Agreement

Ms. Guest:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated February 1, 2011. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3664

Enclosure

The agreement is considered current and valid

Signed

Date 2/4/13

PO Box 128
San Clemente, CA 92674-0128



January 23, 2013

1-25-13

Sharon Schultz
Tri-City Medical Center
4002 Vista Way
Oceanside, CA 92056

Subject: 2013 Review of Medical Agreement

Ms. Schultz:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated February 10, 2004. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sca.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3664

Enclosure

The agreement is considered current and valid

Signed

Date

2/6/13

PO Box 128
San Clemente, CA 92674-0128



January 23, 2013

RECEIVED
JAN 29 2013
Administration

Mr. Kenneth McFarland
Chief Executive Officer
Mission Hospital
27700 Medical Center Road
Mission Viejo, CA 92691

Subject: 2013 Review of Medical Agreement

Mr. McFarland:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed are copies of both agreement, dated January 28, 2010 and January 17, 2002 respectively. In conjunction with these agreements, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3664

Enclosure

Both agreements are considered current and valid

Signed Date 1/21/13

PO Box 128
San Clemente, CA 92674-0128



January 23, 2013

Annette Hansen
Office Manager
Mission Trauma Surgical Medical Group
26732 Crown Valley Parkway, Suite 351
Mission Viejo, CA 92691

Subject: 2013 Review of Medical Agreement

Ms. Hansen:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated January 28, 2011. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3684

Enclosure

The agreement is considered current and valid

Signed

Date

1/31/13

PO Box 128
San Clemente, CA 92674-0128



January 23, 2013

Roy Cox
Regional Logistics Manager
Air Methods
1870 Miro Way
Rialto, CA 92376

Subject: 2013 Review of Medical Agreement

Mr. Cox:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated February 9, 2009. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

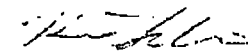
If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 388-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 388-3664

Enclosure

The agreement is considered current and valid

Signed  Date 2-1-13

PO Box 128
San Clemente, CA 92674-0128

Kevin Strange, M.D.
Air Methods Corp.



UNITED STATES MARINE CORPS
MARINE CORPS BASE
BOX 55510
CAMP PENDLETON, CALIFORNIA 92065-8010

5800
CO

MEMORANDUM OF AGREEMENT
BETWEEN

COMMANDING OFFICER, MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA 92055
AND
SOUTHERN CALIFORNIA EDISON COMPANY, 2244 WALNUT GROVE AVENUE, ROSEMEAD,
CALIFORNIA 91770

Subject: RECIPROCAL FIRE PROTECTION AGREEMENT (MUTUAL AID ASSISTANCE AGREEMENT)

- Ref: (a) United States Code, Title 42 - The Public Health and Welfare, Chapter 15A - Reciprocal Fire Protection Agreements, Subchapter I - Protection of United States Property
(b) Federal Fire Prevention and Control Act of 1974 - Public Law No. 93-498, 15 U.S.C. 2201
(c) Code of Federal Regulations, Title 44 - Emergency Management and Assistance, Chapter I - Federal Emergency Management Agency, Part 151 - Reimbursement for Costs of Firefighting on Federal Property

1. Purpose. This agreement between the Commanding Officer, Marine Corps Base, Camp Pendleton, California and Southern California Edison Company (SCE) is to secure for each the benefits of mutual aid in fire protection, defined in 42 U.S.C. § 1856(b) to include personal services and equipment required for fire prevention, the protection of life and property from fire, fire fighting, and emergency services, including basic medical support, basic and advanced life support, hazardous material containment and confinement and special rescue events involving vehicular and water mishaps, and trench, building, and confined space extractions. Hazardous material containment and confinement is interpreted to include radiological contamination from a nuclear event or nuclear incident. Emergency services under this agreement include Camp Pendleton Emergency Medical Services acting as an emergency ambulance resource for the transportation of injured or contaminated individuals to the most appropriate treatment facilities available at the time of incident.

2. Whereas

- a. Each of the parties maintains certain equipment and personnel for fire suppression and emergency services within its own jurisdiction and areas; and
- b. The parties desire to augment the fire protection and emergency services available to the San Onofre Nuclear Generating Station (SONGS), Units 2 and 3 located on Camp Pendleton, and the Marine Corps Base, Camp Pendleton, California; and
- c. The lands and districts of the parties are adjacent or contiguous so that mutual assistance is deemed feasible; and
- d. It is the policy of the Department of the Navy and the municipalities or other districts and of their governing bodies to conclude such agreements wherever practicable; and

Subj: RECIPROCAL FIRE PROTECTION AGREEMENT (MUTUAL AID ASSISTANCE AGREEMENT)

e. It is deemed sound, desirable, practicable, and beneficial for the parties to render assistance to one another in accordance with these terms.

3. Scope. The rendering of assistance under the terms of this agreement shall not be mandatory, but the party receiving the request for assistance should as promptly as possible under the circumstances inform the requesting department if, for any reason, assistance cannot be rendered. This agreement contains the entire agreement between Camp Pendleton and SCE. Any terms previously discussed or agreed to related to emergency assistance that are not expressly included in this agreement are of no effect. This agreement makes null and void all prior agreements related to mutual emergency assistance between the two Parties. The intent of this Agreement is to set forth Parties agreement on the scope of emergency services that may be obtained under this Agreement.

4. Agreement

a. The senior officer of a party's fire department or the senior officer of such fire department actually present at any fire is authorized to request firefighting and/or other emergency services (including, but not limited to, medical, hazardous materials response, or rescue) assistance under this Agreement whenever he deems it advisable.

b. A call for assistance from SCE received by Marine Corps Base, Camp Pendleton's Fire and Emergency Services shall be referred to the Emergency Communication Center for response on behalf of the Marine Corps Base, who will confirm that a request for assistance has been made by communication with the San Onofre Nuclear Generating Station (SONGS) Fire Chief. A call received by the Marine Corps Base, shall be referred by SCE to the SONGS Fire Chief, or his duly authorized representative, and they will confirm with the Marine Corps Emergency Center that a request has been made for assistance before any equipment or personnel are dispatched.

c. The senior officer on duty of the fire department receiving a request for assistance as described in subpart b above shall immediately take the following action:

- (1) Determine if apparatus and personnel can be spared to respond to the call;
- (2) Determine what apparatus and personnel might most effectively be dispatched;
- (3) Determine the exact mission to be achieved as defined by the Party requesting assistance and in accordance with the detailed plans and procedures of operation (see Attachment A); and
- (4) Based on resources and availability, dispatch such apparatus and personnel with complete instructions as to the mission or with direction to obtain further instructions as to the mission from the Party's representative in charge of the mission.

d. The San Onofre Nuclear Generating Station Fire Chief, or his duly authorized representative, may request Camp Pendleton Emergency Medical Services provide emergency ambulance response for the transportation of injured or contaminated individuals, who may also have exposure to radiological contamination, to the most appropriate treatment facilities

Subj: RECIPROCAL FIRE PROTECTION AGREEMENT (MUTUAL AID ASSISTANCE AGREEMENT)

available at the time of an event or incident that requires assistance from the Camp Pendleton Emergency Medical Services group. Where there may have been exposure to radiological contamination, Camp Pendleton Emergency Medical Services will provide emergency care and transportation from SONGS to any of the following facilities capable of handling contaminated-injured patients: Tri City Medical Center in Oceanside; Mission Hospital and Regional Medical Center in Mission Viejo; Saddleback San Clemente Medical Center and Mission Hospital of Laguna Beach. Camp Pendleton Emergency Medical Services shall have the discretion whether to accept the injured for transport based on risk to the staff or availability of ambulance and qualified personnel at the time of the request (subject to the requirement to communicate promptly if such assistance cannot be provided to SCE). The responsibilities of Camp Pendleton Emergency Medical Services under this subparagraph are conditioned upon SCE providing staff training and assistance necessary to support the handling of radiologically contaminated patients. In addition to this training, SCE will provide health physics and medical expertise to assist in assessment of the level of contamination involved, degree of decontamination achieved, and risks involved to the staff and craft associated with transport of the injured individual.

e. Any benefit arising out of the rendering of assistance pursuant to this agreement shall inure solely to the undersigned parties. Each of the parties shall be required to notify the other party of organizational changes, conditions, and operations that might lead to inadvertent third-party benefit.

f. Reimbursement and liabilities of parties will be determined as follows:

(1) In rendering assistance, the agents, servants, and employees of one party will not be considered the agents, servants, and employees of the other party.

(2) Pursuant to reference (a), the parties to this agreement will reimburse one another for the reasonable incremental costs incurred by such party in furnishing fire protection, as defined in reference (a), for or on behalf of any other party. SCE may request reimbursement under either this subparagraph or the subparagraph immediately below. Reimbursement by SCE to Marine Corps Base Camp Pendleton will be processed in accordance with § 1856d(b) of reference (a).

(3) Direct expenses and losses which are additional firefighting costs over and above normal operating costs incurred while fighting a fire on property under the jurisdiction of the United States may be reimbursed in accordance with references (b) and (c).

(4) Except as provided above, pursuant to § 1856a(a) of reference (a), each party waives all claims against the other party for compensation for any loss, damage, injury or death occurring in consequence of the performance of this Agreement.

(5) Any service performed by Marine Corps personnel under this Agreement shall constitute service "in the line of duty," without prejudice to any investigation conducted under JAGINST 5800.7E.

g. The technical head, or designee, of the fire department requesting service hereunder shall assume full charge of the operations. If he requests

Subj: RECIPROCAL FIRE PROTECTION AGREEMENT (MUTUAL AID ASSISTANCE AGREEMENT)

a senior officer of the responding fire department to assume command, he shall not, by relinquishing command, be relieved of his responsibility for the operation. Regardless of who is in command of the operation itself, the apparatus, personnel, and equipment of the responding fire department shall be under the immediate supervision and responsibility of the senior officer of the responding fire department.

h. As part of this Agreement, the chief fire officers and personnel of each of the Parties are invited and encouraged, on a reciprocal basis, to frequently visit each other's activities for guided familiarization tours consistent with local security requirements and, as feasible, to jointly conduct pre-fire planning inspection and drills.

i. The technical head, or designee, of the fire departments are authorized and directed under this Agreement to meet and draft detailed plans and procedures of operation necessary to effectively implement this Agreement. Such plans and procedures of operation shall become effective upon written approval by the signatory parties.

j. This Agreement shall become effective immediately after it has been signed by both Parties hereto and shall remain in full force and effect until cancelled by mutual agreement of the parties or by written notice by one party to the other party, with the understanding that any notice of cancellation of this Agreement shall only take effect after at least 30 days prior notice.

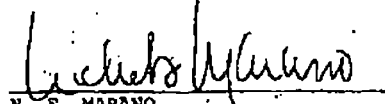
5. Termination. Marine Corps Base, Camp Pendleton may terminate this Agreement without notice in the event of military exigencies or changes to force protection conditions.

6. Modification. Any modification or change to this Agreement must be agreed to by the Parties and reflected in writing.

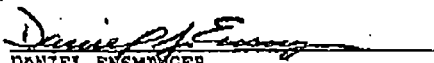
7. Effective Date. This Agreement enters into effect upon the date that the last signature below is obtained. This Agreement will remain in effect until it is modified or cancelled in accordance with the terms herein stated. It is attested to by the undersigned who are empowered to exercise authority for their respective organizations.

In Witness Whereof, the parties have executed this agreement

at San Onofre on February 17, 2012.



N. F. MARANO
Colonel, U.S. Marine Corps
Commanding Officer
MCB, Camp Pendleton



DANIEL ENSMINGER
Fire Chief
San Onofre Nuclear Generating Station



January 23, 2013

Tom Kircher
MCI-W & MCB Camp Pendleton CBRNE Protection Officer
ACIS G-3/5, Operations Division
MCB Camp Pendleton, CA 92055
Phone: (780) 783-3256
DSN Prefix: 361

Subject: 2013 Review of Medical Agreement

Mr. Kircher:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated February 17, 2012. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3808.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3884

Enclosure

The agreement is considered current and valid

Signed

Date

31 Sep 13

PO Box 128
San Clemente, CA 92674-0128



George D. Turner
President & CEO

May 6, 2011

**ANI INFORMATION BULLETIN 11-01
TO ANI Policyholders**

Emergency Notification Procedures for ANI Policyholders

The attached bulletin supersedes and replaces ANI Bulletin 97-01 and updates procedures for notification of ANI in the event of a nuclear emergency relating to an ANI insured facility or shipment. The new 24 hour ANI Emergency Notification Number is now **(877) 680-2644**. This change will require you to update your emergency procedures and call lists.

Should there be questions regarding Emergency Notification, please contact your ANI Account Engineer.

Very truly yours,

A handwritten signature in cursive script that reads "George D. Turner".

Attachment

May, 2011

AMERICAN NUCLEAR INSURERS



Emergency Notification Procedures For ANI Policyholders

This Bulletin provides ANI Policyholders with an Emergency contact number as well as guidelines for notifying American Nuclear Insurers in the event of a nuclear emergency. This Bulletin supersedes and replaces ANI Bulletin 97-01.

ANI'S TELEPHONE CONTACT NUMBER

American Nuclear Insurers (ANI) Emergency Contact number has changed. The new 24 hour Emergency Contact Number is:

(877)-680-2644

Please amend your procedures and records to include this important number.

WHEN TO NOTIFY ANI OF AN EMERGENCY

Your ANI policies provide you coverage for "bodily injury" and "property damage" (terms defined in the policies), sustained by people who live or work or own homes or businesses near insured nuclear facilities due to a release or threatened release of nuclear material from one of those facilities. In the event of nuclear emergencies, it is important to notify American Nuclear Insurers as soon as possible. Timely notification enables ANI to properly respond to emergency situations.

Under what circumstances should ANI receive notification?

American Nuclear Insurers must be notified as soon as possible in the event of a nuclear emergency that requires notifying State or Federal authorities. This includes transportation incidents involving radioactive materials. This information is critical to ANI's decision to implement its emergency response plan.

In addition, for insured nuclear power reactor facilities, ANI must receive notification anytime one of the following conditions is declared:

- ALERT
- SITE AREA EMERGENCY
- GENERAL EMERGENCY

The above criterion also applies when you are conducting a drill which simulates one or more of the above conditions.

We ask that your emergency plans be amended (if necessary) to contain ANI notification requirements.

It is particularly important to notify American Nuclear Insurers of any situation that might cause authorities to order or recommend that off-site persons evacuate their homes and businesses because of an actual or potential release of radioactive material from an ANI insured facility or shipment.

Even if it appears to be only remotely probable that off-site persons will be affected, ANI must be notified so we can initiate our response plans in case the emergency escalates.

WHAT HAPPENS AFTER YOU CALL

Again, in the event of a nuclear emergency (or drill) please call the ANI Emergency Contact Number (877) 680-2644. This is a 24 hour line.

Upon connecting, you will be prompted to press "1" for an actual emergency or press "2" for a drill. A live operator will then come on the line and ask the questions stated below. The answers are recorded and the answering service will verify the answers with the caller before ending the call. If you are reporting an actual emergency, the answering service will immediately contact ANI personnel responsible for initiating ANI's Emergency Response Plan.

Your company's ANI liaison should possess sufficient understanding of the nuclear facility and emergency plan to be able to discuss the technical aspects relating to plant status, accident prognosis and radioactive releases.

Emergency Call questions:

- What is your name (please spell your last name)?
- What is the telephone number for immediate callback?
- What is the name of your facility?
- What is the name of your organization?
- What is the date and time of the event?
- What is the extent of damage?
- Briefly describe the nature of the event that you are reporting.
- Please provide contact person information (including the contact person's direct dial telephone number(s) and their position within the organization) for ANI follow-up.

BACKGROUND

Past experience demonstrates the need for follow-up communication since the information transmitted in the initial notification may be incomplete. It is essential that ANI receives up-to-date information from reliable technical sources regarding radioactive releases from the site, plant status, and impending protective actions for members of the public.

In order to assure that this type of follow-up information is available to ANI, we request through this bulletin that policyholders notifying ANI of a nuclear emergency be prepared to provide us with the name (preferably by position within the emergency organization or Risk Management Department), and telephone number of the individual we can contact during a nuclear emergency for follow-up information.

Your company's ANI liaison should possess sufficient understanding of the nuclear facility and emergency plan to be able to discuss the technical aspects relating to plant status, accident prognosis and radioactive releases.

WHY ACCURATE INFORMATION IS IMPORTANT

Accurate and timely information enables American Nuclear Insurers to make an appropriate response to a nuclear emergency situation.

In the event of an actual emergency, ANI is prepared to send claims adjusters to the scene to assist members of the public who are directed to evacuate their homes and businesses. These claims adjusters would help evacuees by providing them with financial assistance to defray the costs of temporary lodging, transportation, food and other related emergency expenses in accordance with the coverage afforded under our policies.

Accurate information will enable American Nuclear Insurers to evaluate both the need for sending adjusters into the field as well as to gauge the necessary magnitude of the response.

POLICYHOLDERS OTHER THAN POWER REACTOR OPERATORS

American Nuclear Insurers' Emergency Response Procedures apply to all ANI Policy and Certificate holders. While procedures vary among different classes of insureds, we require that your emergency procedures reflect notification of ANI at our new 24 hour number.

ANI INFORMATION BULLETIN 11-01
Emergency Notification Procedures For ANI Policyholders

Please notify ANI anytime you are required to notify State or Federal regulators of an emergency situation involving your facility or a shipment of nuclear material associated with your company. In addition, if you feel that a situation at your plant or an event related to a shipment of nuclear material may cause nuclear bodily injury or nuclear property damage to members of the public, ANI should also be notified.

FOLLOW-UP

Your ANI account engineer will follow-up with you regarding implementation of these Notification procedures and will be available to answer any questions you may have.



January 23, 2013

Chief Keith Richter
Fire Chief
Orange County Fire Authority
1 Fire Authority Road
Irvine, CA 92602

Subject: 2011 Review of Medical Agreement

Chief Richter:

Annually, in accordance with the SONGS Emergency Plan, Southern California Edison conducts a review of medical services agreements for the San Onofre Nuclear Generating Station to certify they are valid. Enclosed is the copy of the agreement, dated July 7, 2004. In conjunction with this agreement, and at your request, we will provide training and education to your staff in the evaluation and treatment of radiation related injuries.

Please indicate your concurrence that the agreement is valid by signing and dating this cover letter. The cover letter may be mailed, faxed, or emailed to me at your earliest convenience.

If you have any questions regarding the medical service agreement, or our educational program, please contact me at (949) 368-3608.

Sincerely,

Tawni Sargent
Southern California Edison
Tawni.Sargent@sce.com
PO Box 128
San Clemente, CA 92674
Fax: (949) 368-3664

Enclosure

The agreement is considered current and valid

Signed Keith Richter Date Jan 23, 2013

PO Box 128
San Clemente, CA 92674-0128



ORANGE COUNTY FIRE AUTHORITY

P. O. Box 57115, Irvine, CA 92615-7115 • 1 Fire Authority Road, Irvine, CA 92607

Chip Prather, Fire Chief

(714) 573-6000

www.ocfa.org

July 7, 2004

Mr. Howard W. Newton
Manager, Site Support Services
Southern California Edison

Subject: Renewal of Agreement for the Transportation of Individuals

Dear Mr. Newton:

This letter confirms an agreement ("Agreement") between the Orange County Fire Authority ("OCFA") and Southern California Edison ("SCE") concerning emergency care and ambulance transportation for individuals that are injured at the San Onofre Nuclear Generating Station, where the injury may involve radiological contamination.

Pursuant to this Agreement, San Onofre Nuclear Generating Station may request OCFA provide emergency care and transportation under this Agreement for any injured individual who may have been exposed to radiological contamination at the San Onofre Nuclear Generating Station. Transportation will be to one of the following medical treatment facilities capable of handling contaminated-injured patients: San Clemente Hospital, South Coast Medical Center in Laguna Beach, Tri-City Medical Center in Oceanside, and Mission Hospital and Regional Medical Center in Mission Viejo.

As part of this Agreement, SCE agrees to provide staff training and assistance to OCFA so it is adequately prepared to handle contaminated individuals as described herein. In exchange, OCFA agrees to provide available vehicles and qualified personnel in response to requests from SCE for assistance in the handling of radiologically contaminated patients.

In addition, when SCE requests assistance from OCFA then SCE will provide OCFA staff with available health physics and medical information about the related contamination injuries so this information can be used by the OCFA in responding to these injuries. This information will assist OCFA's staff in understanding the nature of the injury, the extent and characteristics of any contamination that may be involved, the degree of decontamination achieved, and the risks involved to the staff and to the vehicles and equipment used for the transport of the injured individual.

SCE agrees that it will be responsible for the payment of usual and customary fees and charges for any emergency care or transportation services rendered at SCE's request, as evidenced by SCE's execution of this letter, and OCFA agrees to send any bills to me at the above address (unless subsequent billing instructions are provided in writing by SCE to OCFA).

Serving the Cities of: Aliso Viejo • Buena Park • Cypress • Dana Point • Irvine • Laguna Hills • Laguna Niguel • Laguna Woods • Lake Forest • La Habra
Los Alamitos • Mission Viejo • Placentia • Rancho Santa Margarita • San Clemente • San Juan Capistrano • Seal Beach • Stanton • Tustin • Villa Park
Westminster • Yorba Linda • and Unincorporated Areas of Orange County

RESIDENTIAL SPRINKLERS AND SMOKE DETECTORS SAVE LIVES

BEST AVAILABLE COPY

Southern California Edison
July 7, 2004
Page 2

It is also understood and agreed that the sole remedy of either party for breach of this Agreement (except for non-payment for services rendered by SCE which shall not be subject to this limitation on remedies) shall be the termination of this Agreement. Except for non-payment claims, under no circumstances shall either party be liable to the other for any damages arising out of the breach of this Agreement.

Notwithstanding any other provisions contained herein, either party with or without cause may terminate this Agreement following 30 days written notice to the other party.

The SCE signatory below represents that he has authority to sign this Agreement on behalf of SCE.

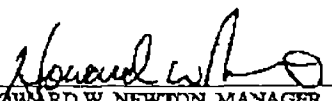
Very truly yours,

ORANGE COUNTY FIRE AUTHORITY

By: 
CHIP PRATHER, FIRE CHIEF

ACCEPTED AND AGREED TO:

SOUTHERN CALIFORNIA EDISON

By: 
HOWARD W. NEWTON, MANAGER,
SITE SUPPORT SERVICES

APPROVED AS TO FORM:

By: 
GENERAL COUNSEL

BEST AVAILABLE COPY



P.O. Box 128 San Clemente, CA 92674-0128 Telephone: 949-368-6655 Fax: 949-368-6668

February 29, 2008

William R. Metcalf
Fire Chief / San Diego Area Coordinator
North County Fire Protection District
315 East Ivy Street
Fallbrook, California 92028-2138

Dear Chief Metcalf,

Attached is a signed copy of the San Diego County Fire Mutual Aid Agreement, submitted to you in your capacity as the San Diego County Area Coordinator, for inclusion of the San Onofre Fire Department / Southern California Edison in the Mutual Aid Plan.

Thank you for your assistance in this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Dan Ensminger'.

Dan Ensminger
Manager, Fire Protection Services/
Fire Chief, San Onofre Fire Department
Phone (949) 368-6649
Fax (949) 368-6668

**SAN DIEGO COUNTY
FIRE MUTUAL AID AGREEMENT**

THIS AGREEMENT made and entered into by and between the County of San Diego, the undersigned Cities, Fire Protection districts, Public or Private Fire Departments and Political Subdivisions within the San Diego County;

WITNESSETH

WHEREAS, it is necessary that the Fire Protection Resources and Facilities of the County of San Diego, Cities, Fire Protection Districts, Fire Departments, and other Political Subdivisions within San Diego County entering into this Agreement be coordinated and be made available to prevent and combat the effect of fire or other emergency which may result from a disaster within the limits of the County of any type of a lesser nature than a disaster requiring a declaration of a State of Extreme Emergency; and

WHEREAS, it is desirable in the event such a disaster should occur that each of the parties hereto should voluntarily aid and assist one another by the interchange of Fire Protection and Rescue Services and facilities to cope with the problems which may arise in the event of disaster; and

WHEREAS, it is necessary and desirable that a cooperative agreement be executed for the interchange of such Mutual Aid on a local and County-wide basis;

NOW, THEREFORE, IT IS HEREBY AGREED by and between each and all of the parties hereto as follows:

1. **AUTHORITY:** This agreement is made pursuant to the California Emergency Services Act, Chapter 7, Division 1 of the Government Code (commencing with Section 1500). It is an exercise of Mutual Aid powers authorized by Section 9616 thereof, and is intended to supplement, not to replace, other Mutual Aid or Automatic Aid Agreements which now exist between various entities in San Diego County.

2. **SCOPE OF AGREEMENT:** It is the intent of the parties to establish a system of Mutual Aid which will be effective during conditions of local peril, local emergency or local disaster as those terms are defined in Section 1505 of the California Emergency Services Act.

3. **AID TO BE FURNISHED:** Each party agrees to furnish Fire Protection Personnel, Resources and Facilities and to render such Fire Protection and Rescue Services to each and every other party to this Agreement as may be necessary to prevent and combat any type of disaster of a lesser nature than a disaster requiring a Declaration of a State of Extreme Emergency within the limits of San Diego County, in accordance with an Operational Plan to be adopted pursuant to this Agreement, (hereinafter referred to as the San Diego County Fire Mutual Aid Operational Plan -- Annex B), detailing the manner by which such Personnel, Resources and Facilities are to be made available and furnished provided however, that no party shall be required to deplete unreasonably its own Fire Protection Resources, Personnel, Services and Facilities in furnishing such Mutual Aid; and provided that the determination of such

party as to the extent to which it can furnish Mutual Aid without depleting unreasonably its own Fire Protection Resources, Personnel, Services and Facilities shall be final and conclusive.

4. **CONSIDERATION:** The consideration for this Agreement shall be the promise of each party to assist the others and it is understood that no party shall be obligated to pay or reimburse any other party for any aid furnished pursuant hereto, except that reimbursement shall be made by the party receiving such aid pursuant to the Fire Mutual Aid Operational Plan for firefighting supplies actually used by the Agencies furnishing assistance hereunder.

5. **CALIFORNIA DISASTER PLAN:** It is expressly understood that any Mutual Aid extended under this Agreement and the Operational Plan to be adopted is furnished in accordance with the provisions of the "California Disaster Act" and other applicable provisions of the law.

Any Fire Official who requests and is furnished Mutual Aid pursuant to this Agreement and Operational Plan adopted pursuant thereto shall immediately notify the Area Fire Coordinator for San Diego County, Region VI, as established by the California Disaster Plan, of the movements of such personnel and equipment as they are provided.

6. **PARTIES ELIGIBLE TO PARTICIPATE:**

- A. Parties eligible to participate in the San Diego County Fire Mutual Aid agreement shall be any organized Fire Department within San Diego County. For purposes of this COUNTY AID PLAN, the term "Fire Department" includes Fire Department, Fire Protection District, Fire Protection Agency, Fire Company, Fire Brigade, and any Agency Lawfully organized to provide Fire Protection Services.
- B. Elimination of a Party: A party may be eliminated from this Mutual Agreement by a majority vote of the Fire Advisory Committee upon Notice to the party effected and hearing thereon, based upon the following considerations:
1. Whether the level of the Party's actual response to a request for Mutual Aid (number of requests compared to number of declined requests, number and quality of personnel arriving at scene, type and quality of equipment arriving at scene) demonstrates that the Mutual Aid of such party is not effective.
 2. Whether the resources of the party clearly indicate that the party's potential level of response would not be effective.

7. **EXECUTION:** This agreement shall become effective as to each party when executed by that party, and shall remain operative and effective as between each and every party that has executed (or hereinafter executes) this Agreement, until terminated as to such party. The termination by one or more parties of their participation in this Agreement shall not affect the operation of this Agreement as between the other parties to this Agreement. Approval of this Agreement by the State Disaster Council shall not be a condition of this Agreement.

Execution of this Agreement shall be as follows:

- A. The Governing Body of the party shall by Resolution approve this Agreement, which shall be designated as "The San Diego County Fire Mutual Aid Agreement," and shall authorize a designated representative to execute a copy of this Agreement.
- B. The authorized representative of the governing body shall execute a copy of this Agreement and forthwith file three executed copies, together with a certified copy of the resolution of the governing body approving and authorizing the executive thereof with the Secretary of the Fire Advisory Committee, and the State Disaster Council.

8. **TERMINATION:** Termination of the Agreement may be effected as to any party as follows: the governing body of the party shall by resolution give notice of termination of participation in this Agreement and file a certified copy of such resolution with the Fire Advisory Committee Secretary and with the State Disaster Council. This

agreement shall be terminated as to such party twenty days after filing of such resolution.

9. FIRE ADVISORY COMMITTEE:

- A. Creation of Committee:** There is hereby created a Fire Advisory Committee. The Fire Advisory Committee shall be composed of members appointed by the parties to this Agreement as hereinafter provided, and the Area Fire Coordinator, who shall serve as Chairperson.
- B. Representatives:** Each party to this Agreement agrees to designate a representative to act as its member of the Fire Advisory Committee. Each representative shall serve as such at the will and pleasure of the governing body that appointed them. Such representative shall cease to be a member at such time as this Agreement is terminated as to the party that appointed them.
- C. Duties:** It shall be the duty of the Fire Advisory Committee to:
 - 1. Adopt an Operational Plan pursuant to this Agreement.
 - 2. Consider and adopt such amendments to the Operational Plan as may be necessary or desirable.
- D. Ralph M. Brown Act:** All meetings of the Fire Advisory Committee shall be called, noticed and conducted with the provisions of the Ralph M. Brown Act (commencing with Section 54950) of the Government Code.

- E. **Meetings:** The Fire Advisory Committee shall provide for its regular meetings provided, however, it shall hold at least one regular meeting each year. In addition, special meetings may be called at the discretion of the Area Fire Coordinator designated by this Agreement, and they shall fix the date, hour and place for holding each meeting.
- F. **Quorum:** Fifty percent plus one member of the members of the Fire Advisor Committee present at any regular or special meeting shall constitute a quorum for the transaction of business.
- G. **Rules and Regulations:** The Fire Advisory Committee may adopt from time-to-time such rules and regulations for the conduct of its meetings and affairs as may be required.

10. **AREA FIRE COORDINATOR:** The Area Fire Coordinator of San Diego County, Region VI, as established under the California Disaster Plan, or his or her duly designated alternate shall be the Coordinator of this Agreement. It shall be the duty of the Area Fire Coordinator to:

- A. Prepare a proposed Operational Plan for submission to the Fire Advisory Committee.

- B. Prepare such proposed amendments to the Operational Plan for submission to the Fire Advisory Committee as may from time-to-time appear necessary or desirable.
- C. Call special meetings of the Fire Advisory Committee as necessary to provide for the adoption of an Operational Plan or to provide for consideration of amendments thereto.
- D. Chair the San Diego County Fire Chiefs Operations Committee.

11. **SECRETARY:** The Area Fire Coordinator shall designate a Fire Advisory Committee Secretary from among the members of the Fire Advisory Committee. It shall be the duty of the Secretary to:

- A. Submit a copy of this Agreement to the State Disaster Council for approval. The State Disaster Council shall be requested to notify each entity which is eligible to participate in this Agreement of its approval.
- B. Submit an approved copy of the Agreement to the Director of the San Diego County Office of Disaster Preparedness.
- C. Act as a depository of resolutions approving this Agreement, executed copies of this Agreement, Resolutions of Termination, the Operational Plan, and such other documents as may be received pursuant to this Agreement.

12. **EFFECTIVE DATE OF AGREEMENT:** This agreement shall take effect upon its execution by fifty percent plus one of the eligible parties defined herein.

IN WITNESS WHEREOF, this Agreement is executed by the Manager, Site Emergency Preparedness, acting on behalf of Southern California Edison and the San Onofre Fire Department, located at the San Onofre Nuclear Generating Station.

Dated this 29 day of February, 2008.

SIGNATURE:



J. F. Fee

TITLE:

Manager, Site Emergency Preparedness

LIST OF PROCEDURES IMPLEMENTING THE EMERGENCY PLAN

APPENDIX E

LIST OF PROCEDURES IMPLEMENTING THE EMERGENCY PLAN

Emergency Plan Implementing Procedures (EPIPs)

SO123-VIII-0.100	Maintenance and Control of Emergency Planning Documents
SO123-VIII-0.101	Emergency Response Equipment Management
SO123-VIII-0.200	Emergency Plan Drills and Exercises
SO123-VIII-0.201	Emergency Plan Equipment Surveillance Program (EPESP)
SO123-VIII-0.202	Assignment of Emergency Response Personnel
SO123-VIII-0.301	Emergency Telecommunications Testing
SO123-VIII-0.302	Onsite Emergency Siren System Test
SO123-VIII-0.303	Perimeter Public Address System (PPAS) Routine Test
SO123-VIII-1	Recognition and Classification of Emergencies
SO123-VIII-10	Emergency Coordinator Duties
SO123-VIII-10.3	Protective Action Recommendations
SO123-VIII-10.5	Event Closeout and Recovery
SO123-VIII-10.6	Emergency Response Actions for a Declared Security Event
SO123-VIII-30.7	Emergency Notifications
SO123-VIII-40.100	Dose Assessment
SO123-VIII-40.200	Raddose-V Dose Assessment
SO23-VIII-50.3	Core Damage Assessment
SO123-VIII-CR	Emergency Response Organization (ERO) Control Room Position Checklist
SO123-VIII-EOF	Emergency Response Organization (ERO) Emergency Operations Facility Position Checklist
SO123-VIII-OSC	Emergency Response Organization (ERO) Operations Support Center Position Checklist
SO123-VIII-TSC	Emergency Response Organization (ERO) Technical Support Center Position Checklist
SO123-VIII-JIC	Emergency Response Organization (ERO) Joint Information Center (JIC) Position Checklist

Emergency Action Level Technical Bases Document

EPSP-1	Emergency Action Level Technical Bases
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Emergency Planning Order

SO123-EP-1	SONGS Emergency Plan Implementation
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Training Procedure

SO123-XXI-1.11.3	Emergency Plan Training Program Description
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Operations Procedure

SO23-13-25	Attachment 10, PA Announcements for Hostile Action or Threats.
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Attachment 2

Report and Analysis Summary of Emergency Plan Changes

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: Emergency Plan Revision 34
Title: Emergency Plan for San Onofre Nuclear Generating Station
SONGS Nuclear Notification (NN): 202484253-39

Section and Change Description	Analysis Summary
<p><u>EDITORIAL CHANGES:</u></p> <p>The following changes were made throughout the document and are editorial in nature per SO123-XV-109.1.</p> <ul style="list-style-type: none"> Corrected typographical symbol errors from previous revision when document was converted from Word Perfect to Word . Offsite Organization name change from California Emergency Management Agency (CalEMA) to California Office of Emergency Services (CalOES). Changed Health Physics to Radiation Protection. This aligns the Emergency Plan with the industry and the recent change in Department name. Deleted the word "offsite." Onsite and Offsite are combined into one Emergency Planning organization. Reformatted sections 3.0, 4.0, 6.0, 7.0, and 9.0 for consistency. Spelled out acronyms at first occurrence to be used thereafter. Replaced expired Letters of Agreement with revised Letters of Agreement. <p>Section 1 – Definitions and Acronyms</p> <ul style="list-style-type: none"> Added the following acronyms and their definition; CED, EC, EGL, EPC, ERTD, ETE, IOC, JOC, LTRM, PAPA, PAR, PAZ, PERT, POC, PPAS, PSP, RP, SC, SCBA, SOFD, and SYF. Added NOTE by LCS for the Technical Specification Upgrade project. Added acronym TRM and NOTE for Technical Specification Upgrade project. <p>Section 2.0 – Scope and Applicability</p> <ul style="list-style-type: none"> Deleted "Offsite Emergency Planning Organization, the Onsite." and "and the interaction and coordination between the two." Offsite and Onsite Emergency Planning are now one organization. 	<p>Emergency Plan Revision 34 changes were reviewed and analyzed to determine potential impact on the SONGS Emergency Plan. Changes that are identified as editorial and non-impacting are not discussed further in this document. Changes that are identified as technical and potentially impacting were analyzed to ensure they did not cause a reduction in the effectiveness of the SONGS Emergency Plan.</p> <p><u>Analysis Summary of Technical Changes</u></p> <p>Southern California Edison (SCE) made the decision to decommission San Onofre Nuclear Generating Station (SONGS) Units 2/3. SONGS has been in cold shutdown/refueling for over 18 months which has allowed sufficient time for decay heat and dose consequences due to an accident to not exceed the Alert thresholds listed in NUREG 0654.</p> <p>The Emergency Planning staff optimized the staffing of the Emergency Response Facilities by implementing a modified Emergency Response Organization (ERO). The optimized staffing levels are commensurate with the postulated event required resources, appropriate offsite jurisdictional support, corporate support, command and control, and technical mitigation analysis.</p> <p>The optimization of the ERO was accomplished by combining work tasks from other similar positions with the duties of the minimum staff positions. By combining these tasks, non-minimum staff positions were eliminated.</p> <p>All of the Emergency Response Facilities staff changes were analyzed independently. (NN 202484253)</p> <p>Based on the analysis, the changes made to the SONGS Emergency Plan to support ERO optimization do not cause a reduction in the effectiveness of the SONGS Emergency Plan.</p>

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: Emergency Plan Revision 34

Title: Emergency Plan for San Onofre Nuclear Generating Station

SONGS Nuclear Notification (NN): 202484253-39

Section and Change Description	Analysis Summary
<p><u>TECHNICAL CHANGES:</u></p> <p>Section 3.0 – Summary of Emergency Plan</p> <ul style="list-style-type: none"> Section 3.2.3: Replaced "Shift Technical Advisor" with "Shift Manager/Assistant Shift Manager." Shift Technical Advisor is removed from the ERO. <p>Section 5.0 – Organizational Control of Emergencies</p> <ul style="list-style-type: none"> Throughout Section 5.0: Added "Assistant Shift Manager (ASM)" where ever "Shift Manager" was referenced throughout this section to reflect Organizational changes made to the Operations On-Shift Staffing complement. Several functions have been reassigned or removed. Section 5.1.1: Moved some Shift Technical Advisor duties to SM/ASM to support the ERO optimization project. Updated the certification requirements by deleting "licensed" from operators who may respond to an ISFSI event. Section 5.1.5: Revised section to include Operations Leader Duties. Section 5.1.7: Transferred duties previously performed by the ENS Communicator to the Shift Communication. Section 5.2.4: Removed STA assisted functions due to the previous removal of the STA. Section 5.2.5: Deleted "by the Station Manager or designated representative" and replaced it with "as indicated on the SONGS Emergency Response Organization Roster. ERO Positions are filled per the ERO roster." Section 5.2.6: Deleted "position will be filled by the Manager Operations, or designated alternates", and kept the current wording "as indicated on the SONGS Emergency 	<p>Tables 5-1, 5-2, 5-4, and 5-5: The changes to these tables were made to align with the new optimized ERO, reflecting the post-shutdown organizational structure, as described above.</p> <p>The following ERO positions were deleted :</p> <p>EOF HP Communicator EOF Radiation Protection Technician EOF MCA Computer Operator EOF Health Physics Engineer EOF Environmental Support EOF Meteorologist EOF HP Support EOF Brown Phone Talker EOF SRO Briefer/Ivory Phone Communicator EOF General Support EOF Administrative Coordinator EOF Administrative Support EOF Offsite Briefer EOF Offsite Liaison/Status Board Keeper EOF Effluent Engineer</p> <p>TSC Health Physics Advisor TSC HP DAC Operator TSC Health Physics Communicator</p> <p>OSC Health Physics Communicator OSC Assistant Health Physics Coordinator OSC Health Physics Planner OSC Health Physics Radio Operator OSC Team Status Board Keeper OSC Ivory Phone/Plant Status Board Keeper OSC CDM Support OSC Hazmat Technician</p> <p>JIC Communications/Technical Liaison JIC Assistant Spokesperson JIC Media Writer Team JIC Technical Team JIC Media Liaison Team JIC Logistics Team JIC Audio/Visual Team JIC Telephone Responder & Media Monitoring Team JIC Security Team JIC Public Information Officer Facilitator Team JIC Administrative Support Pool Corporate Communications Director</p>

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: Emergency Plan Revision 34
Title: Emergency Plan for San Onofre Nuclear Generating Station
SONGS Nuclear Notification (NN): 202484253-39

Section and Change Description	Analysis Summary
<p>Response Organization Roster. ERO Positions are filled per the ERO roster".</p> <ul style="list-style-type: none"> Deleted "by designated members of the Nuclear Regulatory Affairs and the Nuclear Oversight and Assessment staffs or alternates as assigned by the Manager, Nuclear Regulatory Affairs. Designated alternates are". Sections 5.2.9 – 5.2.12: Deleted reference to Senior Management or designated alternates to support station organizational changes. Tables 5-1, 5-2, 5-4, and 5-5: Changes to the tables were made to align with the ERO optimization. Also, changed TSC Technical Team (Assessor) (Mitigator) to TSC Accident Mitigator. Section 6.2.7.1: Evacuation Routes. Caltrans revised the explanation of this section. Section 8.1.2: Deleted "Classroom". ERO training Program will be implemented in the new organization structure as described in SO123-XXI.1.11.3. Section 9.1.2.4: Replaced "Site Manager" with "Chief Nuclear Officer" and "Nuclear Generation" with "Station Manager". Figure 9-2: Updated figure to reflect new organizational structure consistent with Section 9.1.2.4. <p>Appendix E – List of Procedures Implementing the Emergency Plan</p> <ul style="list-style-type: none"> Deleted reference to SO123-NP-1. SO123-NP-1 has been incorporated into SO123-EP-1 and SO123-NP-1 has been voided. Added Operations Procedure SO23-13-25, Attachment 10 to list (NN 202032301). 	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: Emergency Plan Revision 34 Title: Emergency Plan for San Onofre Nuclear Generating Station SONGS Nuclear Notification (NN): 202484253-39	
Section and Change Description	Analysis Summary
<ul style="list-style-type: none">Deleted reference to the following procedures: SO123-VIII-10.1, SO123-VIII-10.2, SO123-VIII-10.4, SO123-VIII-30, SO123-VIII-30.1, SO123-VIII-30.3, SO123-VIII-303, SO123-VIII-30.4, SO123-VIII-40, SO123-VIII-40.1, SO123-VIII-40.3, SO123-VIII-40.300, SO123-VIII-50, SO123-VIII-50.1, SO123-VIII-50.2, SO123-VIII-60, SO123-VIII-60.1, SO123-VIII-60.2, SO123-VIII-60.4, SO123-VIII-70, SO123-VIII-70.2, and SO123-VIII-80.Added the following procedures to the list as they were created to support the ERO optimization project: SO123-VIII-0.101, SO123-VIII-CR, SO123-VIII-EOF, SO123-VIII-OSC, SO123-VIII-TSC, SO123-VIII-JIC.	
PREPARED BY: Mayra Alvarado	REVIEWED BY: Dan Cleavenger
DATE: 9/10/13	DATE: 9/16/13

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

Attachment 3

Revised Emergency Plan Implementing Procedures

SO123-VIII-10.3, Protective Action Recommendations - Revision 16

SO123-VIII-10.6, Emergency Response Actions for a Declared Security Event - Revision 7

SO123-VIII-30.7, Emergency Notifications - Revision 17

SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Checklists
- Revision 0, EC-1

SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility
Position Checklists - Revision 0

SO123-VIII-JIC, Emergency Response Organization (ERO) Joint Information Center (JIC)
Position Checklist - Revision 0

SO123-VIII-OSC, Emergency Response Organization (ERO) Operations Support Center
Position Checklists - Revision 0

SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center
Position Checklists - Revision 0

SO123-XXI-1.11.3, Emergency Plan Training Program Description - Revision 29

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Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	Attachments 2 and 3
Reference Use	<ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except Attachments 2 and 3

Color Usage
This Document Does Not Contain Relevant Color

QA PROGRAM AFFECTING

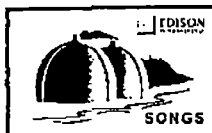
50.59 DNA / 72.48 DNA / RX DNA

Procedure Type
General

Procedure Owner
D Lindbeck

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Protective Action Recommendations

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1.0 PURPOSE AND SCOPE

- 1.1 Provide guidance to Emergency Response Organization (ERO) personnel for making a Protective Action Recommendation (PAR) to offsite agencies.
- 1.2 This procedure should be used by those responsible for responding to an emergency event at San Onofre Nuclear Generating Station (SONGS).

2.0 RESPONSIBILITIES

- 2.1 WHEN an emergency has been declared and ERF staffing is required, THEN each ERO member shall follow their position specific checklist after arriving at their Emergency Response Facility (ERF).

2.1.1 *Corporate Emergency Director (CED)

- Assumes Emergency Coordinator function from either the Station Emergency Director, or directly from the EC in the Control Room following activation of the EOF. Normally responsible for notification to offsite agencies, site evacuation and offsite protective action recommendations.

2.1.2 Station Emergency Director

- Assumes Emergency Coordinator function from Shift Manager (he only assumes some of the ECs responsibilities. Some are transferred to the CED, could be directly from the EC to the CED). Normally responsible for recognition and classification of emergencies, site assembly, authorizing extensions to personnel exposure limits, and directing overall activities of the TSC.

2.1.3 EOF Manager

- Responsible for monitoring offsite activities and providing interface with offsite agencies, advising the CED and developing Protective Action Recommendations (PARs). The EOF Manager, if CED qualified, may fill in as the Corporate Emergency Director (prior to Corporate Emergency Director arrival or if the Corporate Emergency Director falls ill, etc.).
- Communicates Technical information to the JIC Technical Team and coordinates approval of press releases between the CED and JIC staff.
- Briefs offsite representatives on radiological release and plant status.
- Acts as liaison between EOF personnel and interjurisdictional offsite authorities.

2.1.4 TSC Emergency Advisor, Operations

- Assists the Station Emergency Director in plant status assessment activities, advises the Emergency Coordinator on corrective/protective actions, and emergency classification requirements.

REFERENCE USE



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2.1.5 TSC Manager

- Advises the Emergency Advisor and/or the Station Emergency Director in all Emergency Plan requirements. The TSC Manager, if Station Emergency Director qualified, may fill in as the Station Emergency Director as required (prior to Station Emergency Director arrival or if the Station Emergency Director falls ill, etc.)

3.0 DEFINITIONS

- | | | |
|------|-----------------|---|
| 3.1 | <u>Cal OES:</u> | California Office of Emergency Services |
| 3.2 | <u>CAPR:</u> | Corrective Action to Prevent Reoccurrence |
| 3.3 | <u>CED:</u> | Corporate Emergency Director |
| 3.4 | <u>CR:</u> | Control Room |
| 3.5 | <u>EAL:</u> | Emergency Action Level |
| 3.6 | <u>EC:</u> | Emergency Coordinator |
| 3.7 | <u>ENF:</u> | Event Notification Form |
| 3.8 | <u>EOC:</u> | Emergency Operations Center |
| 3.9 | <u>EOF:</u> | Emergency Operations Facility |
| 3.10 | <u>EP:</u> | Emergency Plan |
| 3.11 | <u>EPIP:</u> | Emergency Plan Implementing Procedure |
| 3.12 | <u>ERF:</u> | Emergency Response Facility |
| 3.13 | <u>ERO:</u> | Emergency Response Organization |
| 3.14 | <u>ISFSI:</u> | Independent Spent Fuel Storage Installation |
| 3.15 | <u>NRC:</u> | Nuclear Regulatory Commission |
| 3.16 | <u>OCA:</u> | Owner Controlled Area |
| 3.17 | <u>PA:</u> | Protected Area |

REFERENCE USE

- 3.18 PAPA: Protected Area Personnel Accountability
- 3.19 PAR: Protective Action Recommendation
- 3.20 PAZ: Protective Action Zone
- 3.21 RP: Radiation Protection
- 3.22 SAMG: Severe Accident Management Guideline
- 3.23 SC: Shift Communicator
- 3.24 SCE: Southern California Edison
- 3.25 SED: Station Emergency Director
- 3.26 SM: Shift Manager
- 3.27 SONGS: San Onofre Nuclear Generating Station
- 3.28 SRO: Senior Reactor Operator
- 3.29 TSC: Technical Support Center
- 3.30 VNF: Verbal Notification Form
- 3.31 YPS: Yellow Phone System
- 3.32 Normal Work Hours 8:00am to 5:00pm, Monday through Friday

4.0 PRECAUTIONS AND LIMITATIONS

4.1 Precautions


4.1.1 None

4.2 Limitations

4.2.1 None

5.0 PREREQUISITES

REFERENCE USE

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- 5.1.1 WHEN NOT in a declared emergency or drill, THEN personnel are responsible for verifying this is the current copy of this document using one of the methods described in SO123-XV-HU-3.
- 5.1.2 Site Emergency Planning is responsible for ensuring the current copy of this document is in the emergency notebook for use during declared emergencies and drills.
- 5.1.3 **VERIFY** Level of Use requirements on the first page of this procedure.
- 5.1.4 ERO members must maintain the following task qualifications:
- 7G4QWT, CED Qual. Walkthrough (Corporate Emergency Director)
 - 7G1QWT, SED Qual. Walkthrough (Station Emergency Director)
 - 7H1QWT, TSC Manager Qual. Walkthrough (TSC Manager)
 - 711QWT, EA OPS Qual. Walkthrough (Emergency Advisor, Operations)
 - 717QWT, EOF Manager Qual. Walkthrough (EOF Manager)

REFERENCE USE



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NOTES

1. A radiological release has occurred when there is a measurable increase in radioactive material related to the event that is:
 - In a pathway to the environment

OR

 - In the environment as measured by field monitoring
2. A steam generator tube rupture meets the definition of a Radiological Release, until the steam generator is isolated.
3. Protective Action Recommendations (PAR) may be upgraded when information regarding the PAR is known and can be evaluated by the Emergency Coordinator (EC).
4. PARs should **NOT** be removed or reduced, except during the recovery phase of a declared emergency. During the recovery phase of a declared emergency, the local and State agencies, in conjunction with the utility, will decide if the threat to the public is over and make appropriate changes to existing protective action decisions and/or protective action recommendations.

6.0 PROCEDURE

6.1 Protective Action Recommendations Within Emergency Planning Zone (EPZ) Boundary For Notification Of Unusual Events (NOUE), Alerts, and Site Area Emergencies (SAE)

- 6.1.1 **NOTIFY** offsite agencies verbally within 15 minutes and follow-up with a 30 minute printed notification concerning a PAR or a PAR upgrade.
- 6.1.2 Refer to the NOUE, ALERT, SAE PAR Table located below for required PARs.

NOUE, ALERT, SAE PAR TABLE

Condition	Protective Action Recommendation
Notification of Unusual Event	None Required
Alert – with NO Event Related Radiological Release or NO Security Event	
Alert – with Event Related Radiological Release or Security Event	Evacuate the State Beach within Protective Action Zone (PAZ) 1 immediately adjacent to SONGS
Site Area Emergency - ALL	

REFERENCE USE



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6.2 General Emergency Protective Action Recommendations.

6.2.1 Refer to Attachment 1 for General Emergency (GE) PARs.

6.3 Protective Action Recommendations Beyond EPZ Boundary

6.3.1 IF a projected **OR** actual dose beyond the EPZ is > 170 mrem Total Effective Dose Equivalent (TEDE) but < 1 rem TEDE, THEN DIRECT the EOF Manager to **NOTIFY** the Offsite Dose Assessment Center (ODAC) of the dose.

6.3.2 IF a projected **OR** actual dose beyond the EPZ is > 170 mrem Thyroid Committed Dose Equivalent (CDE) but < 5 rem Thyroid CDE Thyroid, THEN DIRECT the EOF Manager to **NOTIFY** ODAC of the dose.

6.3.3 IF a projected **OR** measured dose at the EPZ Boundary is ≥ 1 rem TEDE or ≥ 5 rem Thyroid CDE, THEN ISSUE a PAR (15 min. notification) to the offsite agencies as follows:

6.3.3.1 Estimate the distance beyond the EPZ Boundary at which the projected or measured dose falls below the level of 1 rem TEDE or 5 rem Thyroid CDE.

6.3.3.2 Recommend evacuation to the distance where the projected or measured dose falls below the level of 1 rem TEDE or 5 rem Thyroid CDE only in the affected sector(s).

7.0 ACCEPTANCE CRITERIA

7.1.1 None

8.0 RETENTION OF RECORDS

8.1 **COLLECT** all paperwork generated in response to the emergency event (e.g., logs procedures, attachments, forms and checklists) **AND DELIVER** to either the TSC Manager, EOF Emergency Planning Coordinator or OSC Emergency Planning Coordinator.

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9.0 REFERENCES / COMMITMENTS

9.1 Implementing Reference

9.1.1 Procedures

- 9.1.1.1 SO123-III-8.2.23, Units 2/3 Containment Sampling Using the Post-Accident Sampling System
- 9.1.1.2 SO123-III-8.3.23, Units 2/3 PASS Reactor Coolant Sampling
- 9.1.1.3 SO123-VIII-1, Recognition and Classification of Emergencies
- 9.1.1.4 SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center; Attachment 1, Station Emergency Director Position Instruction/Checklist.
- 9.1.1.5 SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility; Attachment 1, Corporate Emergency Director Instruction/Checklist.
- 9.1.1.6 SO123-0-A7, Notification and Reporting of Significant Events
- 9.1.1.7 SO123-XV-109, Procedure and Instruction Format and Content
- 9.1.1.8 SO123-XV-HU-3, Written Instruction Use and Adherence

9.1.2 Drawings

- 9.1.2.1 None

9.1.3 Manuals

- 9.1.3.1 None

9.1.4 Other

- 9.1.4.1 NRC Regulatory Guide 1.109, Calculation of Annual Doses to Man from Routine Releases of Reactor Effluent for the Purposes of Evaluating Compliance with 10 CFR Part 50 Appendix I
- 9.1.4.2 Form EP(123) 10, Event Notification Form
- 9.1.4.3 Form EP(123) 11, Verbal Notification Form

REFERENCE USE

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9.2 Developmental References

9.2.1 Commitments

9.2.1.1 SONGS Emergency Plan

9.2.1.2 NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support Nuclear Power Plants

9.2.1.3 NRC Administrative Letter 97-03, Plant Restart Discussions Following Natural Disasters

9.2.1.4 INPO Event Report Level 4, 13-3 (IER 13-3) 1/29/2013

9.2.2 Corrective Actions to Prevent Recurrence (CAPR)

9.2.2.1 None

9.2.3 Procedures

9.2.3.1 SO123-XV-109, Procedure and Instruction Format and Content

9.2.3.2 SO123-XV-HU-3, Written Instruction Use and Adherence

9.2.4 Drawings

9.2.4.1 None

9.2.5 Manuals

9.2.5.1 Offsite Dose Calculation Manual

9.2.6 Other

9.2.6.1 NN202376943, Implement IER 13-3 recommendations

9.2.6.2 NRC Regulatory Guide 1.109, Calculation of Annual Doses to Man from Routine Releases of Reactor Effluent for the Purposes of Evaluating Compliance with 10 CFR Part 50 Appendix I

	<h2 style="text-align: center;">Protective Action Recommendations</h2>	SO123-VIII-10.3 REV: 16
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General Emergency (GE) Protective Action Recommendations	Attachment 1
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NOTE

- 1) The Onshift RP Supervision, TSC RP Lead, or the EOF RP Lead should be assigned the task of obtaining the meteorological data, if available.
- 2) The initial GE PAR and verbal notification should be made within the same 15 minutes.

1.0 **IF** a GE classification has been declared, **THEN OBTAIN** the following information for determining the initial offsite PAR:

1.1 METEOROLOGICAL INFORMATION

1.1.1 The 15-minute average wind direction (From) used for making PAR and PAR Upgrade decisions should be obtained from Raddose-V.

1.1.2 **IF** 15-minute information is not available from Raddose-V, **THEN** use the 15-minute average wind direction found on the CFMS Weather Page (Click the Weather Icon).

1.1.2.1 10 Meter Primary Meteorological Tower

1.1.2.2 40 Meter Primary Meteorological Tower

1.1.3 **IF** Raddose-V, the 10 meter and 40 meter information found on CFMS is **NOT** available, **THEN** the wind direction (From) should be obtained in the following order:

1.1.3.1 EOF Meteorological Tower

1.1.3.2 EOF Meteorologist

1.1.3.3 National Weather Service

1.1.3.4 The Internet (Weather Channel Page, Weather Underground Page, etc.)

1.2 1.2 EVACUATION IMPEDIMENTS

1.2.1 Information concerning any **KNOWN** evacuation impediments.

1.3 1.3 RADIOLOGICAL RELEASE PARAMETERS

1.3.1 Radiological Release Parameters

- **KNOWN** Radiological Release Duration
- Radiological Release measured or projected dose
- Any other factors that the Radiation Protection Supervisor/Lead feels are applicable



Protective Action Recommendations

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General Emergency (GE) Protective Action Recommendations

Attachment 1

NOTE

A GE PAR Upgrade should be made within 15-minutes after recognizing the need for a PAR Upgrade. The Verbal Notification has to be made within 15-minutes after the PAR Upgrade was determined.

1.4 PAR UPGRADE(S)

1.4.1 IF a PAR Upgrade is necessary, THEN OBTAIN:

- The 15-minute average wind direction (From), if available (Refer to Section 1.1 of this Attachment).
- Information concerning KNOWN evacuation impediments (Refer to Section 1.2 of this Attachment).
- Radiological release parameters (Refer to Section 1.3 of this Attachment).

2.0 **UTILIZE** the table (General Emergency PAR Table) found on page 4 of this Attachment and/or Attachment 2 (GE Protective Action Recommendations Flowchart) to make the appropriate GE PAR or GE PAR Upgrade.

CAUTION

- 1) A GE PAR with a wind direction (From) **101°**, **214°**, or **327°** requires inclusion of both adjacent downwind PAZs. This applies to PAZs 2, 3, and 4 only.
- 2) A GE PAR with a wind direction (From) **124°** to **169°** and a dose of ≥ 5000 mrem TEDE at the Exclusion Area Boundary (EAB) (measured or projected) requires inclusion of both adjacent downwind PAZs. This applies to PAZs 4 and 5 only.

2.1 IF a GE classification exists, THEN DETERMINE affected downwind PAZs by referring to the following table:

WIND DIRECTION (From)	DOWNWIND PAZ
0 - 100°	PAZ 1 and 2
101°	PAZ 1, 2, and 4
102° - 213°	PAZ 1 and 4
214°	PAZ 1, 3, and 4
215° - 326°	PAZ 1 and 3
327°	PAZ 1, 2, and 3
328° - 360°	PAZ 1 and 2

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General Emergency (GE) Protective Action Recommendations	Attachment 1
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- 2.2 IF a GE classification exists, **AND** a dose of ≥ 5000 mrem TEDE at the EAB (measured or projected), **THEN CHECK** the wind direction "From" using the below table to make a possible PAR determination or PAR upgrade:

WIND DIRECTION (From)	DOWNWIND PAZ
124° - 169°	PAZ 1, 4, and 5

- 2.3 **NOTIFY** offsite agencies verbally within 15 minutes of PAR or PAR Upgrade Determination **AND FOLLOW-UP** with a 30 minute printed notification.

NOTE

- 1) A radiological release has occurred when there is a measurable increase in radioactive material related to the event that is:
 - In a pathway to the environment

OR

 - In the environment as measured by field monitoring.
- 2) A steam generator tube rupture meets the definition of a Radiological Release, until the steam generator is isolated.
- 3) Protective Action Recommendations (PAR) may be upgraded when information regarding the PAR is known and can be evaluated by the Emergency Coordinator (EC).
- 4) PARs should **NOT** be removed or reduced, except during the recovery phase of a declared emergency. During the recovery phase of a declared emergency, the local and State agencies, in conjunction with the utility, will decide if the threat to the public is over and make appropriate changes to existing protective action decisions and/or protective action recommendations.

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General Emergency (GE) Protective Action Recommendations	Attachment 1
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GENERAL EMERGENCY PAR TABLE

Condition	Protective Action Recommendation
General Emergency - with <u>NO</u> known evacuation impediments (1)	Evacuate the State Beach <u>within PAZ 1 immediately adjacent to SONGS</u> . Evacuate PAZ 1 and the affected downwind zone(s), and ingest Potassium Iodide (KI) for the public in the affected PAZs. (This applies to PAZs 1, 2, 3, or 4 only)
General Emergency - with <u>KNOWN</u> evacuation impediments (1)	Evacuate State Beach <u>within PAZ 1 immediately adjacent to SONGS</u> . Shelter PAZ 1 and affected downwind PAZ(s). If
General Emergency - with an event related radiological release < 1 hour in duration	wind is toward PAZ 2, then evacuate that zone. Ingest KI for the public in affected PAZs. (Applies to PAZs 1, 2, 3, or 4 only)
General Emergency - with a dose ≥ 5000 mrem TEDE at the EAB (measured or projected) and the wind towards PAZ 5, and <u>NO</u> known evacuation impediments (1)	Evacuate the State Beach <u>within PAZ 1 immediately adjacent to SONGS</u> . Evacuate PAZ 1, 4, 5, and ingest KI for the public in those PAZs
General Emergency - with a dose ≥ 5000 mrem TEDE at the EAB (measured or projected) and the wind towards PAZ 5, and <u>KNOWN</u> evacuation impediments (1)	Evacuate the State Beach <u>within PAZ 1 immediately adjacent to SONGS</u> . Shelter PAZs 1, 4, 5, and ingest KI for the public in those PAZs

(1) A known evacuation impediment is a physical obstacle to evacuation; caused by events such as earthquakes, flooding, roadway conditions, etc.; the EC is aware of at PAR issuance.



Protective Action Recommendations

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General Emergency Protective Action Recommendations Flowchart

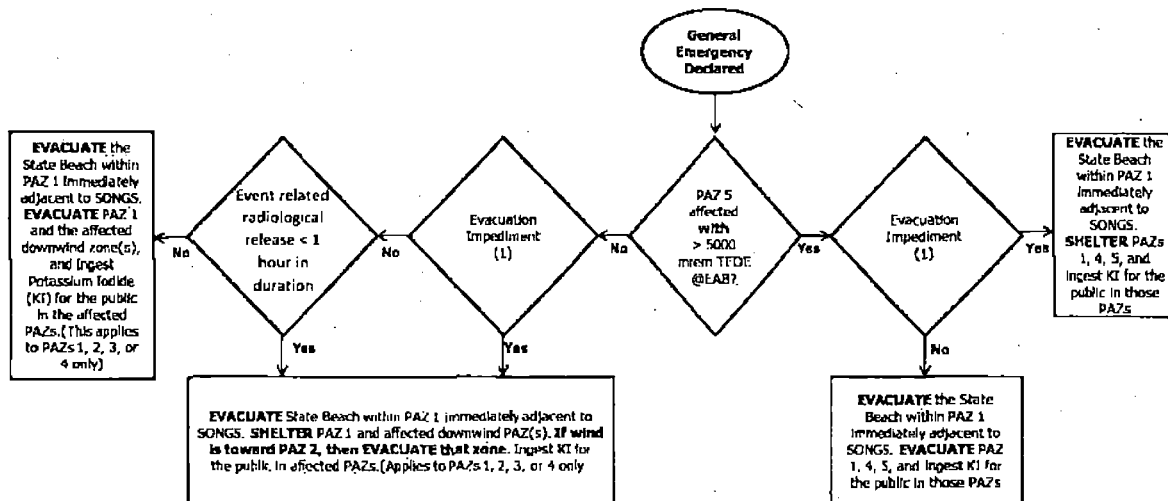
Attachment 2

NOTE


- 1) A radiological release has occurred when there is a measurable increase in radioactive material related to the event that is:
 - In a pathway to the environment

OR

 - In the environment as measured by field monitoring.
- 2) A steam generator tube rupture meets the definition of a Radiological Release, until the steam generator is isolated.
- 3) Protective Action Recommendations (PAR) may be upgraded when information regarding the PAR is known and can be evaluated by the Emergency Coordinator (EC).
- 4) PARs should **NOT** be removed or reduced, except during the recovery phase of a declared emergency. During the recovery phase of a declared emergency, the local and State agencies, in conjunction with the utility, will decide if the threat to the public is over and make appropriate changes to existing protective action decisions and/or protective action recommendations.



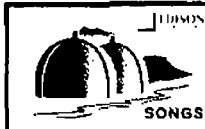
(1) A known evacuation impediment is a physical obstacle to evacuation, caused by events such as earthquakes, flooding, roadway conditions, etc., that the EC is aware of at PAR issuance.

	Protective Action Recommendations	SO123-VIII-10.3 REV: 16
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Summary of Changes	Attachment 3
---------------------------	---------------------

Author: David A. Clark PAX: 89967 Location: D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	SO, ERO, or Page	Step, Section, Attachment, or Page
NN 200807629	Upgrade the procedure to the standards outlined in SO123-XV-109.	See table below	DNA	All
ADMIN	Statement for color relevance on the cover page is required by SO123-VI-28.	See table below	DNA	Page 1
	Changed HP to RP in note prior to step 1.0	See table below	DNA	Attachment 1
	Changed Health Physics to Radiation Protection in step 1.3.1 third bullet	See table below	DNA	Attachment 1
Reviewer Comments	Added EOF Manager, TSC EA, Operations and TSC Manager to responsibilities.	See table below	DNA	Steps 2.1.3, and 2.1.5
	Added qualifications for EOF Manager, TSC EA, Operations and TSC Manager	See table below	DNA	Step 5.1.4
	Removed notes from prior to steps 6.1, 6.2.1 and 6.3.1 and placed prior to section 6.0. These notes are applicable to the entire procedure section.	See table below	DNA	Section 6.0
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference from SO123-VIII-10.1 to SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center; Attachment 1, Station Emergency Director Position Instruction/Checklist. This is done to reflect the creation of new facility position checklist procedures.	See table below	DNA	Step 9.1.1.4
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference from SO123-VIII-10.2 to SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility; Attachment 1, Corporate Emergency Director Instruction/Checklist. This is done to reflect the creation of new facility position checklist procedures.	See table below	DNA	Step 9.1.1.5



Protective Action Recommendations

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Summary of Changes

Attachment 3

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
Reviewer Comment	Changed flow chart diamond in Attachment 2 from "Actual radiological release < 1 hour with no potential further releases" to "Event related radiological release < 1 hour in duration ", which is consistent to the wording contained in Attachment 1.	See table below	DNA	Page 15

Document Reviewers:	Name:
EOF Manager	Mary Jane Johnson
EOF Manager	Gerald Hammond
EOF Manager	Dick Nazareth
EOF Manager	Michelle Carr
Offsite EP	Dan Cleavenger
EP/50.54q	George Medina
Cognizant Supervisor	Larry McCann
NOD (Nuclear Oversight Division)	N/A
NTD (Nuclear Training Division)	N/A
Approvers:	
Nuclear Oversight Final Approval:	N/A
CFDM Final Approval:	Deborah Lindbeck

Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	TOC and Summary of Changes
Reference Use	<ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except for TOC and Summary of Changes

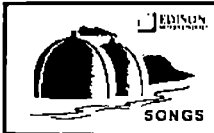
Color Usage
This Document Does Not Contain Relevant Color

QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(a) APPLIES

Procedure Type
EPIP

Procedure Owner
Larry McCann



Emergency Response Actions For a Declared Security Event

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1.0 PURPOSE AND SCOPE

- 1.1 Provide guidance to Emergency Coordinators for declared Security-related events.
- 1.2 Ensure response actions are focused on plant safety, Station personnel safety, and protection of health and safety of the general public.
- 1.3 This procedure should be used by those responsible for responding to a declared Security-related event at San Onofre Nuclear Generating Station (SONGS).

2.0 RESPONSIBILITIES

(b)(7)(E),(b)(7)(F)

REFERENCE USE



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3.12	<u>EOF:</u>	Emergency Operations Facility
3.13	<u>EP:</u>	Emergency Plan
3.14	<u>EPIP:</u>	Emergency Plan Implementing Procedure
3.15	<u>ERDS:</u>	Emergency Response Data System
3.16	<u>ERF:</u>	Emergency Response Facility
3.17	<u>ERO:</u>	Emergency Response Organization
3.18	<u>ERTD:</u>	Emergency Response Telephone Directory
3.19	<u>GCC:</u>	Grid Control Center
3.20	<u>IOC:</u>	Irvine Operations Center
3.21	<u>ISFSI:</u>	Independent Spent Fuel Storage Installation
3.22	<u>NRC:</u>	Nuclear Regulatory Commission
3.23	<u>OCA:</u>	Owner Controlled Area
3.24	<u>OSSC:</u>	Onsite Security Commander
3.25	<u>PA:</u>	Protected Area
3.26	<u>SCE:</u>	Southern California Edison
3.27	<u>SED:</u>	Station Emergency Director
3.28	<u>SM:</u>	Shift Manager
3.29	<u>SONGS:</u>	San Onofre Nuclear Generating Station
3.30	<u>SSPE:</u>	South Security Processing Facility

4.0 PRECAUTIONS AND LIMITATIONS

- 4.1.1 Implementation of this procedure should be initiated only after a Security Emergency Event has been declared at SONGS. This procedure should **NOT** be initiated for a Security Precursor Event.
- 4.1.2 In the event of a Hostage-taking situation, uniformed Security supervision will be responsible for Hostage Event First Response.
 - 4.1.2.1 Related decision-making to manage the situation must remain with the Emergency Coordinator (EC) and can only be transferred to the Station Emergency Director (SED) or Corporate Emergency Director (CED) until relieved by representatives of a Law Enforcement Agency (LEA).

REFERENCE USE



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5.0 **PREREQUISITES**

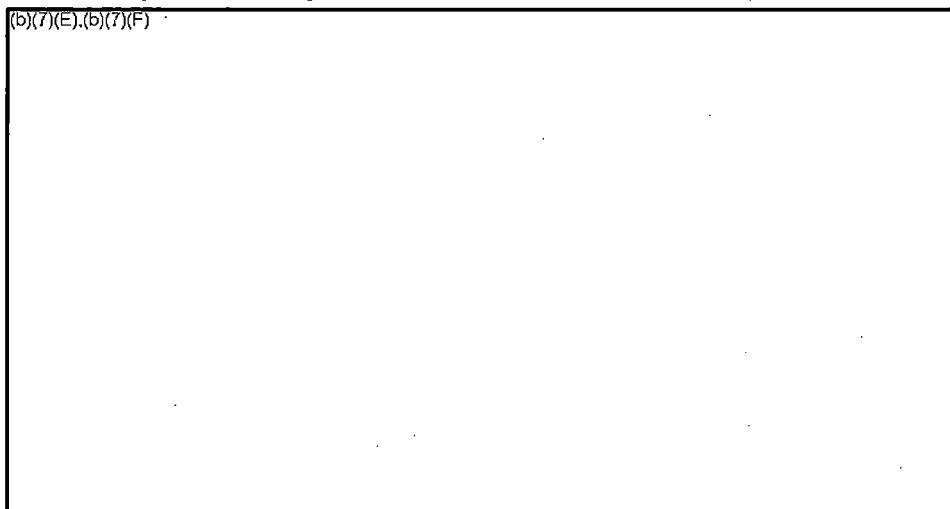
- 5.1 Emergency Planning is responsible for ensuring the current copy of this document is in emergency notebooks for use during declared emergencies and drills.
- 5.2 Personnel are responsible for ensuring the current copy of this document is used when NOT in a declared emergency or drill by verifying this document is current using one of the methods described in SO123-XV-HU-3.
- 5.3 **VERIFY** level of use requirements on the first page of this document.
- 5.4 At least one member of the work group has the following task qualifications.
 - 7G1QWT, SED Qual. Walkthrough (Station Emergency Director)
 - 7G4QWT, CED Qual. Walkthrough (Corporate Emergency Director)

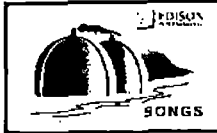
REFERENCE USE

6.0 **PROCEDURE**

6.1 **Security Event Response Actions**

6.1.1 **REFER** to the table below, for immediate access to responsibilities and activities to the Security Event in progress.





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6.2

(b)(7)(E),(b)(7)(F)

(b)(7)(E),(b)(7)(F)

REFERENCE USE



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REFERENCE USE

(b)(7)(E),(b)(7)(F)



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REFERENCE USE



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REFERENCE USE



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REFERENCE USE



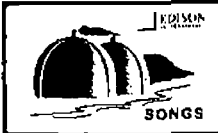
Emergency Response Actions For a Declared Security Event

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REFERENCE USE



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REFERENCE USE



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REFERENCE USE

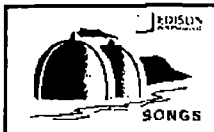


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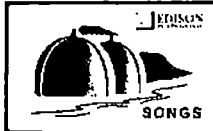
**Emergency Response Actions
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REFERENCE USE



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REFERENCE USE



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REFERENCE USE



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6.8

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REFERENCE USE



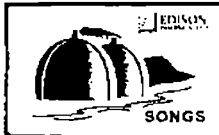
**Emergency Response Actions
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(b)(7)(E),(b)(7)(F)

REFERENCE USE



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(b)(7)(E),(b)(7)(F)

6.9 Security Event Recovery

(b)(7)(E),(b)(7)(F)

REFERENCE USE



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7.0 ACCEPTANCE CRITERIA

7.1 None

8.0 RETENTION OF RECORDS

8.1 Ensure all paperwork generated in response to emergency event (e.g., logs, procedures, attachments, completed forms and checklists) is collected and delivered to Emergency Planning Coordinator.

9.0 REFERENCES/COMMITMENTS

9.1 Implementing Reference

9.1.1 Procedures

9.1.1.1 SO123-IV-7.1, Security Communications Systems

9.1.1.2 SO123-IV-13.100, Security Tactical Response Plan

9.1.1.3 SO23-13-25, Operator Actions During Security Events

9.1.1.4 SO123-VIII-1, Recognition and Classification of Emergencies

9.1.1.5 SO123-VIII-10.3, Protective Action Recommendations

9.1.1.6 SO123-VIII-10.5, Event Closeout and Recovery

9.1.1.7 SO123-VIII-30.7, Emergency Notifications

9.1.1.8 SO123-VIII-10, Emergency Coordinator Duties


9.1.1.9 Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist.

9.1.1.10 SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center; Attachment 1, Station Emergency Director Position Instruction/Checklist.

9.1.1.11 SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility; Attachment 1, Corporate Emergency Director Instruction/Checklist.


9.1.1.12 SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility Position Instructions, Attachment 6

REFERENCE USE

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- 9.1.1.13 SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility Position Instructions; Attachment 5, EOF Administrative Leader Instruction/Checklist
- 9.1.1.14 SO123-XV-109, Procedure and Instruction Format and Content
- 9.1.1.15 SO123-XV-HU-3, Written Instruction Use and Adherence
- 9.1.2 Other
 - 9.1.2.1 NRC Form 361, Reactor Plant Event Notification Worksheet
 - 9.1.2.2 Emergency Response Telephone Directory(ERTD)
 - 9.1.2.3 Form EP(123) ERO-7, PA/Siren Coordination
 - 9.1.2.4 Form EP(123) ERO-5 CREDIBLE THREAT PLAN DEVELOPMENT
 - 9.1.2.5 Form EP(123) 10, Event Notification Form (ENF)
 - 9.1.2.6 Form EP(123) 11, Verbal Notification Form(VNF)
- 9.2 Developmental References
 - 9.2.1 Commitments
 - 9.2.1.1 NN 201507385, NRC Safety Evaluation Report, dated July 26, 2007[Steps 6.2.1.2.1, 6.2.1.2.1, 6.2.3.2, 6.2.3.3, 6.3.2.2, 6.3.3.2, 6.4.2.2.1, 6.4.2.2.2, 6.4.3.2, 6.4.4.2, 6.4.4.3, 6.5.2.2.1, 6.5.2.2.2, and 6.5.3.2
 - 9.2.2 Corrective Actions to Prevent Recurrence (CAPR)
 - 9.2.2.1 None
 - 9.2.3 Procedures
 - 9.2.3.1 SO123-IV-7.1, Security Communications Systems
 - 9.2.3.2 SO123-IV-13.100, Security Tactical Response Plan
 - 9.2.3.3 SO23-13-25, Operator Actions During Security Events
 - 9.2.3.4 SO123-VIII-1, Recognition and Classification of Emergencies
 - 9.2.3.5 SO123-VIII-10.3, Protective Action Recommendations
 - 9.2.3.6 SO123-VIII-10.5, Event Closeout and Recovery

REFERENCE USE

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- 9.2.3.7 SO123-XV-109, Procedure and Instruction Format and Content
- 9.2.3.8 SO123-XV-HU-3, Written Instruction Use and Adherence
- 9.2.3.9 SO123-VIII-30.1, Emergency Planning Coordinator Duties



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Summary of Changes

Attachment 1

Author: David A. Clark

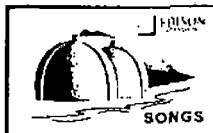
PAX:

89967

Location:

D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
NN 200807629	Upgrade the procedure to the standards outlined in SO123-XV-109.	See table below	DNA	All
ADMINISTRATION	Statement for color relevance on the cover page is required by SO123-VI-28.	See table below	DNA	1
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.2.2.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.2.3.2
Admin.	Divided step 6.2.4.2 into a step with three substeps 6.2.4.2.1, 6.2.4.2.2 and 6.2.4.2.3.	See table below	DNA	step 6.2.4.2
	Added title to SO123-VIII-10.	See table below	DNA	Step 6.2.4.2.1
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-10.1 to SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center; Attachment 1, Station Emergency Director Position Instruction/Checklist. So123-VIII-10.1 is being cancelled due to the creation of facility position EPIPs	See table below	DNA	Step 6.2.4.2.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-70 to SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility; Attachment 5 EOF Administrative Leader Instruction/Checklist. So123-VIII-70 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.2.4.2.3



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Attachment 1

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
Admin	Added title to SO123-VIII-10.	See table below	DNA	Step 6.2.5
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.3.2.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.3.3.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.4.2.2.1
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.4.3.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Step 6.4.4.2
Admin	Divided step 6.4.5.2 into a step with three substeps 6.4.5.2.1, 6.4.5.2.2 and 6.4.5.2.3.	See table below	DNA	Step 6.4.5.2

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Summary of Changes

Attachment 1

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
Admin	Added title to SO123-VIII-10.	See table below	DNA	Step 6.4.5.2.1
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-10.1 to SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center; Attachment 1, Station Emergency Director Position Instruction/Checklist. So123-VIII-10.1 is being cancelled due to the creation of facility position EIPs	See table below	DNA	Step 6.4.5.2.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-70 to SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility; Attachment 5 EOF Administrative Leader Instruction/Checklist. So123-VIII-70 is being cancelled due to the creation of facility position EIPs.	See table below	DNA	Step 6.4.5.2.3
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EIPs.	See table below	DNA	Step 6.5.2.2.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 1, Operations Leader Instruction/Checklist. So123-VIII-30 is being cancelled due to the creation of facility position EIPs.	See table below	DNA	Step 6.5.3.2
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Revised step to eliminate references to procedures are being cancelled due to the creation of facility position EIPs and creation of forms from attachments in the old procedures.	See table below	DNA	Step 6.6.3



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Summary of Changes

Attachment 1

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference SO123-VIII-30.1 Attachment 5 to SO123-VIII-EOF, Emergency Response Organization (ERO) Control Room Position Instructions; Attachment 6. So123-VIII-30.1 is being cancelled due to the creation of facility position EPIPs.	See table below	DNA	Note prior to step 6.6.4
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference to SO123-VIII-10.1, Attachment 3 to Form EP(123) ERO-5. Attachments were deleted and made into forms.	See table below	DNA	Step 6.6.5.1
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed reference to SO123-VIII-10.1 and SO123-VIII-10.2, to Form EP(123) ERO-5.	See table below	DNA	Step 6.6.5.1
Admin	Made note prior to step 6.8.5.3 passive voice. Notes cannot direct action.	See table below	DNA	Step 6.8.5.3
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Changed references to procedure numbers to reflect the change to facility position procedures.	See table below	DNA	Steps 9.1.1.9 through 9.1.1.13

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Security	Chad Reinhart
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Approvers:	
CFDM Final Approval:	Deborah Lindbeck

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Procedure Usage Requirements	Sections
Information Use <ul style="list-style-type: none"> • The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. • Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	TOC and Summary of Changes
Reference Use <ul style="list-style-type: none"> • Review and understand the procedure before performing any steps, including the prerequisite section. • Have a copy or applicable pages/sections open at the work site. • Use Placekeeping method according to SO123-XV-HU-3. • If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. • Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. • Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except for TOC and Summary of Changes

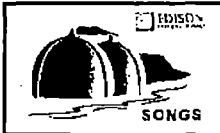
Color Usage	Location
"This Document Contains Relevant Color"	Page 17

QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES

Procedure Type
General

Procedure Owner
Larry McCann



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INFORMATION USE

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1.0 PURPOSE AND SCOPE

- 1.1 This procedure provides direction to Shift Communicators, Yellow Phone Communicators, and Emergency Advisors for Notifications (EAN) for performing emergency notifications from Control Room, Technical Support Center (TSC) or Emergency Operations Facility (EOF).
- 1.2 This procedure should be used by those responsible for preparing and transmitting Verbal Notification Form(s) (VNF) and Event Notification Form(s) (ENF) during an emergency event at San Onofre Nuclear Generating Station (SONGS).

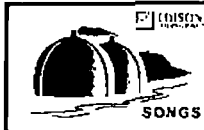
2.0 RESPONSIBILITIES

- 2.1 Each ERO member shall follow their position specific checklist after arriving at their Emergency Response Facility (ERF) WHEN an emergency has been declared and ERF staffing is required.

3.0 DEFINITIONS

- 3.1 Cal OES: California Office of Emergency Services
- 3.2 CED: Corporate Emergency Director
- 3.3 CR: Control Room
- 3.4 EAN: Emergency Advisor, Notifications
- 3.5 EC: Emergency Coordinator
- 3.6 EDT: Event Declaration Time
- 3.7 ENF: Event Notification Form
- 3.8 EOC: Emergency Operations Center
- 3.9 EOF: Emergency Operations Facility
- 3.10 EP: Emergency Plan
- 3.11 EPC: Emergency Planning Coordinator
- 3.12 EPIP: Emergency Plan Implementing Procedure

REFERENCE USE



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- 3.13 ERF: Emergency Response Facility
- 3.14 ERO: Emergency Response Organization
- 3.15 ERTD: Emergency Response Telephone Directory
- 3.16 ERP: Emergency Response Personnel
- 3.17 ODAC: Offsite Dose Assessment Center
- 3.18 PAPA: Protected Area Personnel Accountability
- 3.19 PAR: Protective Action Recommendation
- 3.20 PAZ: Protective Action Zone
- 3.21 SC: Shift Communicator
- 3.22 SED: Station Emergency Director
- 3.23 TSC: Technical Support Center
- 3.24 VNF: Verbal Notification Form
- 3.25 YPDS: Yellow Phone Data System
- 3.26 YPS: Yellow Phone System
- 3.27 Normal Work Hours: 8:00am to 5:00pm, Monday through Friday

4.0 PRECAUTIONS AND LIMITATIONS

- 4.1 None

REFERENCE USE

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5.0 PREREQUISITES

- 5.1.1 Emergency Planning (EP) is responsible for ensuring current copy of this document is in emergency notebook(s) for use during declared emergencies and drills.
- 5.1.2 Personnel are responsible for ensuring current copy of this document, when not in a declared emergency or drill, by using one of the methods described in SO123-XV-HU-3.
- 5.1.3 **VERIFY** level of use requirements on the first page of the document.
- 5.2 ERO members must maintain the following task qualifications:
 - 7E1QWT, Emergency Notifications (Shift Communicator)
 - 7I2QWT, TSC EAN Qual. Walkthrough (Emergency Advisor, Notifications)
 - 7H5QWT, EOF EAN Qual. Walkthrough (Emergency Advisor, Notifications)
 - 7E1QWT, Emergency Notifications Qual. Walkthrough (Yellow Phone Communicator)

REFERENCE USE



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6.0 PROCEDURE

6.1 Emergency Recall Activation [NN 201507385]

- 6.1.1 IF this is the initial event declaration from the Control Room, THEN PERFORM emergency recall activation per Attachment 2 within 10 minutes of event declaration.
- 6.1.2 WHEN upgrading from a Notification of Unusual Event (NOUE) to an Alert or higher classification and the Emergency Response Organization (ERO) has NOT been recalled, THEN:
- 6.1.2.1 USE recall system to stop current scenario.
- 6.1.2.2 START a new scenario using new Scenario ID per Attachment 2 within 10 minutes of event upgrade.
- 6.1.3 WHEN ERO has already been recalled and needs to be redirected to another facility (Alternate EOF/Staging Area), or be provided with additional information, THEN:
- 6.1.3.1 INITIATE ERO Recall System using a verbal modified message per Attachment 2, Section C.
- OR
- INITIATE internet method per Attachment 2, Section D.
- 6.1.4 IF ERO has already been recalled, THEN ENTER N/A in time blank on the VNF, EP(123) 11, OTHERWISE RECORD time of activation.

REFERENCE USE

6.2 15-Minute Verbal Notification

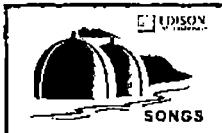
NOTES

1. The PAR for an event declaration should be made within 15 minutes of the declaration and should be included in the verbal notification.
2. A PAR upgrade should be made within 15 minutes after recognizing the need for a PAR upgrade. The verbal notification shall be made within 15 minutes after the PAR upgrade time has been determined.



6.2.1 **PERFORM** the following steps within 15 minutes of an Initial Event Declaration:

- 6.2.1.1 **PREPARE** VNF, during declaration announcement or immediately afterwards (REFER to Attachment 1 for VNF Key Points).
- 6.2.1.2 **INITIAL** Prepared by block.
- 6.2.1.3 **ENSURE** Independently Verified By block is initialed.
- 6.2.1.4 **OBTAIN** EC "Approved By" initials on VNF authorizing transmission of verbal notifications.



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NOTES

1. The Blue Phone is the primary circuit to contact Cal EMA. If the Blue phone is inoperable, then Cal EMA's alternate number, located on VNF, can be used.
2. The YPS all-call (91) and Yellow Phone Data System (YPDS) are used to signal local offsite agencies for every notification. If the YPS all call (91) and YPDS are inoperable, then the alternate numbers in ERTD and other communication methods can be used.
3. Normal working hours are defined as 8:00am to 5:00pm, Monday through Friday.
4. Corrected or updated information should be supplied to the Offsite Agencies through verbal or written notifications as soon as possible.
5. Notifications must be complete within 15 minutes of Event Declaration Time (EDT).



6.2.2 **CONTACT** CAL OES in accordance with VNF, Step 1.2a **AND DOCUMENT** time Blue Phone notification was initiated on VNF, Section 1.

6.2.2.1 IF CAL OES does **NOT** respond to Blue Phone as expected, THEN CONTACT them using CAL OES's alternate number.

6.2.3 **USE** the YPS all-call (91) to signal the offsite agencies in accordance with VNF, Step 1.2b **AND DOCUMENT** time YPS notification message was given on VNF, Section 4.0.


6.2.3.1 IF the YPS all call (91 are inoperable, THEN USE the alternate numbers in ERTD.



6.2.3.2 **ENSURE** verbal contact with the following four YPS Stations in accordance with VNF at all times 24/7:

- (23) USMC Dispatch
- (27) Orange County
- (29) State Parks
- (46) San Diego County

REFERENCE USE

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6.2.3.3

IF the notification is given during normal working hours **OR** offsite EOCs are activated, THEN also **ENSURE** contact with the following five YPS Station EOCs:

- (24) State Parks
- (25) San Clemente
- +(26) San Juan Capistrano (EOC)
- (28) Orange County (COMM EOC)
- (34) Dana Point

6.2.3.4

WHEN performing the roll call in Section 4, if the person from each staffed station states their name, THEN CHECK YES as contact verification, OTHERWISE, CHECK NO contact, for no contact.

NOTE

SCE's (42) Generation Operation Center is staffed 24/7 and is expected to acknowledge SONGS verbal notifications for information only. They are not required to be contacted within 15 minutes.

6.2.4

IF the expected agencies do **NOT** answer the (91) all-call, THEN MAKE one attempt to contact them using an individual YPS call followed by an alternate number call, using the Emergency Response Telephone Directory, prior to performing the 30 minute printed message YPDS transmission.

6.2.5

IF EOC(s) are not activated or primary and alternate notification methods are not successful, THEN REQUEST (27/28) Orange County to notify the non-responding stations.

6.2.5.1

FOLLOWUP with (27/28) Orange County to confirm non-responding stations were contacted after performing the 30 minute printed message transmission.

6.2.6

IF the notification is given during nonworking hours or the station does not respond; THEN REQUEST the counties notify their cities EOC.



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6.2.7 IF the Communicator has NOT started to read the verbal message and any of the following occurs:

- Change in classification
- Upgrade in PAR
- Start of radiological release
- Stop of radiological release

AND

IF reading of updated verbal message can start within 15 minutes of initial event declaration, THEN the notifications may be combined into one. OTHERWISE, **INFORM** Communicator to complete notification skipping the roll call portion of the verbal notification form, AND STANDBY for a new set of notifications.

6.2.8 Event Reclassification/PAR Upgrade/Radiological Release

NOTES

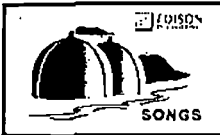
1. A change in Classification, a start or stop of radiological release, or upgrading a PAR, which includes addition of affected PAZ(s), requires notification within 15 minutes of change.
2. When an event is reclassified, notifications for the prior event are superseded, even if the affected unit(s) are NOT the same for the prior and the current classification.



6.2.8.1 IF EC reclassifies the event, upgrades PAR, a start or stop of radiological release occurs, THEN START a new notification process (15-minute verbal notification and 30-minute written notification) per Step 6.2 and Step 6.3.

6.2.8.1.1 IF reclassification of event, a change in radiological release status, or PAR upgrade affects response of ERO, THEN START a new ERO Recall per Steps 6.1.2 and/or 6.1.3.

6.2.8.1.2 **MARK** printed messages NOT transmitted as Superseded in a clear manner AND FILE them for documentation purposes.



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6.3 30-Minute Printed Message

- 6.3.1 EAN/EC **COMPLETE** ENF. (See Attachment 3 for ENF Key Points).
- 6.3.1.1 **INCLUDE** previous classification, PARs or time when radiological release started/stopped on the 30-minute ENF.
- 6.3.1.2 **INCLUDE** time when radiological release started/stopped on the 30-minute ENF.
- 6.3.1.3 EAN/EC **VERIFY** message information matches VNF information in Sections 2 and 3.
- 6.3.1.4 **VERIFY** any information has changed; Upgrading the PAR, addition of affected PAZ(s) or release information.

NOTE

EC approval is required on any additional changes made to the VNF or ENF after initial approval has been made.

- 6.3.1.5 **VERIFY** EC has approved ENF form.
- 6.3.1.6 **FAX** the ENF message to all YPS stations and to Cal OES.
- 6.3.1.7 **RECORD** FAX start time on VNF, Section 6.
- 6.3.1.8 **IF NO** ENF is transmitted, **THEN ENTER** N/A in fax time blank.
- 6.3.2 **ENSURE** ENF Message has been received by Off-Site Agencies (fax confirmation received).
- 6.3.2.1 **RECORD** status of 30-minute printed message notification on Notifications Board.

REFERENCE USE

6.4 Follow-Up Notifications



6.4.1 **FAX** an ENF within 90 minutes of initial Classification **AND CONTINUE** faxing a new ENF approximately 60 minutes **OR** as directed by the EC from the time the last ENF was faxed.



6.4.1.1 **IF** significant changes in radiological release conditions or plant status occur but do **NOT** result in a new classification or an upgraded PAR, **THEN** EC should **CONSIDER** issuing a follow-up notification within approximately 15 minutes.

NOTES

1. A Radiological Release has occurred when there is a measurable increase in radioactive material related to the event that is in a pathway to the environment

OR
 In the environment as measured by field monitoring
2. A Radiological Release has stopped when there is no longer a pathway to the environment

AND
 There are no longer indications of an active radiological release.

6.4.1.2 **CONTINUE** follow-up notifications until event is reclassified, PAR is upgraded, start or stop of radiological release occurs, EC reduces the followup frequency, or event is closed out.

NOTE

No EC approval or roll call is required for a followup verbal notification.

6.4.2 **PREPARE VNF**

6.4.2.1 **ENTER** Message number

6.4.2.2 **COMPLETE** Sections 2 and 5 only. (See Attachment 1 for VNF key points)

6.4.3 **PREPARE ENF:**

6.4.3.1 **COMPLETE** ENF followup notification (see Attachment 2 for ENF key points).

6.4.3.2 **CHECK** box "is in progress" **AND ENSURE** event classification and EDT are the same as previous ENF.

REFERENCE USE



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NOTE

EC approval is required on any additional changes made to the ENF after initial approval has been made.

- 6.4.3.3 **PROVIDE** updated plant status information, **AND** **OBTAIN** EC approval on ENF.
- 6.4.4 **TRANSMIT** ENF message to offsite agencies.
- 6.4.5 **PERFORM** Follow-up Notification
 - 6.4.5.1 **READ** VNF Sections 2 and 5 as a Blue Phone verbal notification to Cal EMA. **DOCUMENT** time Blue Phone notification was initiated on VNF Section 1.
 - 6.4.5.2 **DIAL** 91 on the Yellow Phone **AND** **READ** VNF Sections 2 and 5 to the YPS stations. **DOCUMENT** time YPS notification message was given on VNF, Section 4.
- 6.4.6 **FAX** ENF to all YPS stations and to CAL OES.
- 6.4.7 **RECORD** completion time on VNF, Section 6.
- 6.4.8 **RECORD** status of follow-up notification to on Notification Status Board.
- 6.4.9 **CONSIDER** use of ERO recall system, using Attachment 2, Section C, to keep ERO informed of current status.

REFERENCE USE

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6.5 Close-Out Notifications

NOTES

1. SM should ensure plant status is included for close-outs performed from the Control Room to provide updated information to offsite agencies. Duty EPC may complete close-out ENF for SM approval and transmission.
2. All Emergency Response and support organizations shall be promptly notified of the termination of the emergency and/or the initiation of recovery operations in the same manner as was used for the initial notification.

6.5.1 PREPARE VNF

6.5.1.1 **ENTER** Message number.

6.5.1.2 **COMPLETE** Sections 2.0 and 5.0 only.

6.5.2 PREPARE ENF

6.5.2.1 EAN/EC **COMPLETE** ENF close-out notification (See Attachment 2 for ENF key points).

6.5.2.2 **CHECK** box "has been closed out" **AND ENTER** time event was closed out.

6.5.2.3 **Provide** status of current conditions on ENF for close-out, **AND OBTAIN** EC approval on ENF.

6.5.3 **PERFORM** Close Out Notification

6.5.3.1 **READ** VNF Sections 2 and 5 on the Blue Phone **AND RECORD** initiation time in Section 1.0.

6.5.3.2 **READ** VNF Sections 2 and 5 on YPS Phone **AND RECORD** time in Section 4.0.


6.5.3.3 **FAX** ENF to all YPS stations and to Cal OES.

6.5.3.4 **RECORD** completion time on VNF, Section 6.0.

6.5.4 **RECORD status** of close-out notification on Notification Status Board.

6.5.5 **INITIATE** ERO recall system using Attachment 2, Section C to inform ERO the event has been close-out.

REFERENCE USE

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7.0 **ACCEPTANCE CRITERIA**

7.1 None

8.0 **RETENTION OF RECORDS**

8.1 FORWARD all completed procedures, logs, and forms to the TSC Manager or EOF EPC upon event close out.

9.0 **REFERENCES / COMMITMENTS**

9.1 **Implementing Reference**

9.1.1 **Procedures**

9.1.1.1 SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Checklists

9.1.1.2 SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility Position Checklists

9.1.1.3 SDO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center Position Checklists

9.1.1.4 SO123-VIII-10, Emergency Coordinator Duties

9.1.1.5 SO123-VIII-10.3, Protective Action Recommendations (PARs)

9.1.1.6 SO123-XV-109, Procedure and Instruction Format and Content

9.1.1.7 SO123-XV-HU-3, Written Instruction Use and Adherence


9.1.2 **Other**

9.1.2.1 Form EP(123) 10, Event Notification Form (ENF)

9.1.2.2 Form EP(123) 11, Verbal Notification Form (VNF)

9.1.2.3 Emergency Response Telephone Directory (ERTD)

REFERENCE USE

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9.2 Developmental References

9.2.1 Commitments

9.2.1.1 NN 201507385, NRC Safety Evaluation Report, dated July 26, 2007 [Section 6.1]

9.2.2 Corrective Actions to Prevent Recurrence (CAPR)

9.2.2.1 NN 201809145-CA0008, INPO IER 11-39, Establish Criteria of 10 minutes or Less for Initiation of ERO Augmentation

9.2.3 Procedures

9.2.3.1 SO123-VIII-10, Emergency Coordinator Duties

9.2.3.2 SO123-VIII-10.1, Station Emergency Director Duties

9.2.3.3 SO123-VIII-10.2, Corporate Emergency Director Duties.

9.2.3.4 SO123-VIII-30, Units 2/3 Operations Leader Duties

9.2.3.5 SO123-VIII-50, Shift Technical Advisor Duties

9.2.3.6 SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Checklists

9.2.3.7 SO123-VIII-10.3, Protective Action Recommendations (PARs)

9.2.3.8 SO123-XV-109, Procedure and Instruction Format and Content

9.2.3.9 SO123-XV-HU-3, Written Instruction Use and Adherence

9.2.4 Other

9.2.4.1 Form EP(123) 10, Event Notification Form (ENF)

9.2.4.2 Form EP(123) 11, Verbal Notification Form (VNF)

9.2.4.3 Emergency Response Telephone Directory (ERTD)



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Verbal Notification Form and Key Points [Form EP(123) 11]

Attachment 1

SAMPLE

REF SO123-VIII-30.7

VERBAL NOTIFICATION FORM

Message #	Prepared by	Independently Verified by	EC Approved by
1.0			
1.1 Log Notifications: [] Notify ERO OR [] Recall ERO (Enter Time Recall Initiated or Enter "N/A" if Recall Completed)			Contact these four 24/7 Stations for all Offsite Notifications (Ref. SO123-VIII-30.7, Step 6.3.3)
2.1 Initiate offsite Verbal Message a. Contact CAL OES by Blue Phone or Alt Number (916) 845-8911 b. Dial YPS 911 at call (Enter VNF Start Time)			23 USMC DISPATCH Alt (760) 725-5061 FAX (760) 725-5894 Contacted: [] Yes [] No
2.0 Read for ALL Messages: "This is [] a Drill [] an Emergency" "This is San Onofre Nuclear Generating Station." Alt: [] Notification of Unusual Event [] has been declared at [] Alert [] is in progress since [] Site Area Emergency [] has been closed out at: (Enter Time Declared)			27 O/C COMM CTR Alt (714) 826-7008 FAX (714) 826-7198 Contacted: [] Yes [] No
3.0 Read for Classification/PAR/Release Status Change: "Consult Event Code [] in your Manual of Emergency Events." (Enter EAL) "The wind is from [] Degrees at [] MPH." (Use 10m 15 min average Met Data if available) "The Protective Action Recommendation (PAR) is as follows: [] was upgraded at [] lo: (Enter PAR Time) (EAL: Review SO123-VIII-10.3 for PARs. Multiple choices are allowed.) [] None Required [] Evacuate State Beach with n PA? 1 immediately adjacent to SONGS [] Shelter PAZ(s) [] [] [] [] [] [] Evacuate PAZ(s) [] [] [] [] [] [] Ingest KI PAZ(s) [] [] [] [] [] "There [] has not been a radioactive release associated with this event." [] is was "SONGS [] is activating the [] EOC" [] has activated the [] Alt EOC" [] has not activated the []			48 SD COUNTY EOC Alt (858) 565-3490 FAX (858) 565-3499 Duty (858) 688-9970 Contacted: [] Yes [] No
4.0 Read only on YPS for Classification/PAR/Release Status Changes: (Log time done reading VNF Msg to YPS Stations) "When I announce your station number and agency name, please respond with your first initial and last name." (Check all Offsite Agency "contacted" boxes either Yes or No)			Contact this one 24/7 Station for all Offsite Notifications (not a 15 min time requirement) 42 EDISON GEN OPS Alt (626) 307-4405 FAX (626) 302-3409 Contacted: [] Yes [] No
5.0 Read for ALL Messages: Prepare to receive printed message # [] in a few minutes. [] "Printed message # [] will not be transmitted." "This is [] a Drill [] an Emergency" "This message is complete. San Onofre is Clear." 6.0 FAX Printed Message to All YPS Stations and CAL OES. (916) 845-8910 (Log time VNF message Fax was initiated)			Contact these five EOC Stations only if M - F 8:00am - 5:00pm OR EOCs are activated (Ref. SO123-VIII-30.7, Step 6.3.3.1) 24 St Parks EOC Alt (949) 366-8522 FAX (949) 492-8412 Contacted: [] Yes [] No
			25 San Clemente EOC Alt (949) 361-5149 FAX (949) 361-8234 Contacted: [] Yes [] No
			26 San Juan Cap Alt (949) 234-4565 FAX (949) 234-4568 Contacted: [] Yes [] No
			28 O/C EOC Alt (714) 826-7051 FAX (714) 826-7182 Contacted: [] Yes [] No
			34 Dana Point EOC Alt (949) 234-2600 FAX (949) 234-2820 Contacted: [] Yes [] No

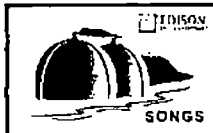
SCE EP(123) 11 REV. 20 08/13

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Verbal Notification Form and Key Points [Form EP(123) 11]

Attachment 1

NOTE

Items identified with an asterisk (*) are used to determine the accuracy of the notification.

VERBAL NOTIFICATION AUTHORIZATION:

- (1) Initial verbal notification for a given event is Message No. 1. Each subsequent notification is sequentially numbered until event close out. Sequence numbers on VNF and associated ENF (Attachment 3) SHALL be the same.
- (2) Preparer SHALL initial "Prepared by" box to document who entered message content.
- (3) VNF SHALL be given an independent verification by an individual who is trained in classification process (e.g., Control Room Supervisor, Emergency Advisor Operations, EOF Manager,). This individual SHALL not be the EC or involved in the notification process. Reviewer SHALL initial "Independently Verified By" box to acknowledge agreement the message content is correct.
- (4) Acting EC SHALL initial "EC Approved By" box when peer review is completed to authorize verbal notification transmission. This is not required for follow-up notifications.

ACTIONS REQUIRED IN 15 MINUTES:

- (5) SC SHALL enter time Recall System is initiated or enter N/A if no pager message is to be sent with this notification. The interval between this time and declaration time (item 9 below) must be 10 minutes or less.
- (6) * Communicators SHALL enter time they start to read verbal message. The interval between this time and declaration time (item 9 below) must be 15 minutes or less. Blue Phone notification should be completed first, as notification of this single agency is typically faster than notification of multiple agencies via the Yellow Phone. If difficulties are encountered with the Blue Phone, immediately begin notification process on Yellow Phone to meet 15 minute requirement.

KEY PERFORMANCE INDICATOR DATA:

- (7) * The box for a Drill or an Emergency SHALL be checked.
- (8) * The box for current classification level SHALL be checked. The second column of boxes should be checked as follows:
 - "has been declared at" for each new or changed classification;
 - "is in progress since" each time a verbal notification is initiated but the classification remains the same;
 - "has been closed out" any time the emergency is being closed out in accordance with SO123 VIII 1 or SO123 VIII 10.5. This would be the last verbal notification given to state and local agencies.
- (9) * The time EC declares emergency or reclassifies event. IF only a change in PAR, time stays the same as current event declaration.



Emergency Notifications

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Verbal Notification Form and Key Points [Form EP(123) 11]

Attachment 1

KEY PERFORMANCE INDICATOR DATA: (Continued)

- (10) * Enter Event Code that consists of the Event Category (A, C, E, E-H, F, H, S), Emergency Class (U = NOUE, A=Alert, S=SAE and G=GE), event subcategory (1, 2, 3, etc) and the Emergency Action Level (1, 2, 3, etc.).
- (11) * Enter wind direction in degrees from (use 10 meter 15-minute average Met Data, weather page, CFMS or RAD DOSE V) and the wind speed in mph. The wind direction from is used to determine affected PAZ(s).
- (12) * Check box labeled:
- "is as follows:" if PAR change is being made to coincide with an event classification change, if there is **NO** change in PAR in this notification, or if there is **NO** PAR required;
 - "was upgraded at" and enter time PAR upgrade was made on the following line when there is an upgrade in PAR but classification has not changed;

and

- select appropriate boxes to indicate the PAR.
- (13) * Check the following radioactive release box that is correct:
- "There has not been a radioactive release associated with this event" if there is **not** an increase in measurable quantities of radioactive material related to event which are in a pathway to the environment, or already in the environment (as measured by field monitoring);
 - "There is a radioactive release associated with this event" if there is an increase in measurable quantities of radioactive material related to event which are in a pathway to the environment, or already in the environment (as measured by field monitoring);
 - "There was a radioactive release associated with this event" if there was an increase in measurable quantities of radioactive material related to the event which were in a pathway to the environment, or already in the environment (as measured by field monitoring), but this release was stopped.
- (14) If event requires EOF activation, then check "SONGS is activating the EOF."
If event requires EOF activation and EOF has been activated, then check "SONGS has activated the EOF."
If event requires Alt EOF activation, then check "SONGS is activating the Alt EOF."
If event requires Alt EOF activation and Alt EOF has been activated, then check "SONGS has activated the Alt EOF."
If the EOF or Alt EOF is not required to be activated or the ERO are told to go the SONGS Staging Areas, then check "SONGS has not activated the EOF, Alt EOF."
- (15) Communicator should enter time when verbal message was completed (before roll call is initiated).

PRINTED MESSAGE ITEMS:

- (16) Record number of current printed message as indicated at the top of associated verbal message form.
- (17) Read this line in verbal message only if previous printed message is superseded by a PAR change, reclassification of event or start/stop of a radiological release. Enter the number of voided printed message.
- (18) Enter time Yellow Phone printed message is faxed to Cal EMA and all YPS stations.
Enter "N/A" IF ENF was superseded by a new verbal message.

	<h2 style="text-align: center;">Emergency Notifications</h2>	SO123-VIII-30.7 REV: 17
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Verbal Notification Form and Key Points [Form EP(123) 11]	Attachment 1
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VERBAL NOTIFICATION FORM COLOR CODE:

Red Box: must contain information (or note of explanation when not used due to 15 minute clock reset, drill terminated, etc.) **NO BLANKS**

Red Bracket: must check at least one box (multiple choices are allowed for PARs)

Green Box: initials of Independent Verifier and Approver of PI data inside the BIG Green Box

Big Green Box: Independent Verifier and Approver are responsible for Data Accuracy (Approval Obtained in Green Boxes located at the top of the VNF).

Black Text: direction or clarifying notes to the Form user.

Blue Text: verbal message text that is read aloud on the phone per approved menu selections

Magenta Text: If Magenta Text is required to be read based on conditions, then read the conditional verbal message text aloud on the phone.

Bold Text: 1. Major Section Titles 2. YPS stations that are staffed 24/7

SECTION A LOCATE applicable Scenario ID Number in the list below.

SEE Section F for displayed pager message for the Security Initiating Conditions (IC) scenarios.
--

SECURITY


Scenario
ID Number

NRC Threat Advisory Level V - no Site Specific Threat:	9
Notification Of Unusual Event Security	19
Alert Security	29
Site Area Emergency Security	39
General Emergency Security	49

NON SECURITY

Scenario
ID Number

Notification Of Unusual Event Non-Security - no response required	17
Notification Of Unusual Event Non-Security - response required	18
Alert Non-Security	28
Site Area Emergency Non-Security	38
General Emergency Non-Security	48

	<h1>Emergency Notifications</h1>	SO123-VIII-30.7 REV: 17
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Emergency Recall Activation

Attachment 2

Section B ENTER Required Scenario ID Number per Step 1 to activate a Scenario

ENTER Required Scenario ID Number per Step 2 to stop a Scenario.

1. ENTER SCENARIO ID NUMBER to be activated _____
(See Section A)
2. ENTER SCENARIO ID NUMBER to be stopped _____
(See Section A)
3. DIAL 83747 using a touch-tone telephone.
4. ENTER your Activation Password then press "#" key.
5. FOLLOW system prompts to activate or stop selected scenario.

CAUTION

Do NOT enter more than one valid Scenario ID Number.

6. RECORD time recall was initiated on VNF, Step 1.0.
7. To transmit additional instructions, **DEVELOP AND SEND** message using Section C.
8. IF recall system fails, **THEN ACTIVATE** pagers using Intranet Method in Section D.
9. IF recall system and Intranet are both unavailable, **THEN ACTIVATE** pagers using Telephone Method in Section E.
10. **CONTACT** Emergency Services at 86655 to verify recall activation page went out with correct information, as time permits.



Emergency Notifications

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Emergency Recall Activation

Attachment 2

Section C Modified Message: IF recalled, ERO needs to be redirected to another facility, provided with additional information or instructions, OR other recall ERO notification is required, THEN **CREATE AND SEND** a modified message as follows:

1. **CREATE AND RECORD** message here:


"This is [] a Drill

[] an Emergency

• _____

This is [] a Drill [] an Emergency"

2. **DIAL** 83747 using a touch-tone telephone.
3. **ENTER** your activation Password then press the # key.
4. **FOLLOW** the system prompts to activate Scenario ID Number 4.
5. **FOLLOW** the system prompts to record the voice message.
6. **FOLLOW** the system prompts to end the call.
7. **LOG** the time the modified message was initiated in your logbook.
8. **CONTACT** Emergency Services at 86655 to verify recall activation page went out with correct information, as time permits.
9. IF recall system fails, THEN activate pagers using intranet method in Section D.


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Emergency Recall Activation	Attachment 2	

Section D Intranet Method: IF Intranet Method is the method that is to be used, **THEN USE** this method to transmit an alphanumeric text message to Group Pagers as follows:

NOTE

Both Minimum Staff and Non-Minimum Staff ERO members are normally recalled during an emergency.

1. **Open** the Edison International Portal.
2. **Enter** a Shift Manager's last name and click on "Employee Search."
3. **Click** on the Pager icon for the Shift Manager.
4. **Notify** ERO as follows:
 - a. **Click** on "Switch to group paging mode" box. A "Group" box will appear under the "From" box.
 - b. Enter "songs.minimum.staff@wmg.sce.com, songs.non.minimum.staff@wmg.sce.com, songs.non.minimum2.staff@wmg.sce.com, songs.ero.craft@wmg.sce.com" in the "Group" box.
 - c. Type an appropriate message in the "Message" box (see examples below):
 - (1) "A(n) (NOUE, Alert SAE, GE) was declared at San Onofre at (hh:mm). This event is due to: Release, Loss of Coolant, Seismic Event, etc.)"
 - (2) "Disregard inadvertent pager activation, no response is required."
 - (3) "Report to alternate location and wait further instructions."
 - (4) "Report to the EOF/E-50."
 - d. **CLICK** on "Send Wireless Message" box.
 - e. A window confirmation will appear.

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Emergency Recall Activation	Attachment 2
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Section E Telephone Method: IF the Telephone Method is the method to be used, **THEN ACTIVATE** Group Pagers with a numeric message as follows:

NOTE

Both Minimum Staff and Non-Minimum Staff ERO members are normally recalled during an emergency.

1. **Notify the ERO Minimum Staff by:**
 - a. **DIAL** 9-1-626-651-0723 from a phone with access to outside phone lines.
 - b. WHEN connected to pager vendor as indicated by a series of three (3) beeps, **THEN ENTER** 911911911 followed by the pound (#) key.
 - c. **WAIT** for confirmation beeps, then hang up.
 - d. **DIAL** 9-1-626-651-0164 from a phone with access to outside phone lines.
 - e. WHEN connected to pager vendor as indicated by a series of three (3) beeps, **THEN ENTER** 911911911 followed by the (#) key.
 - f. **WAIT** for confirmation beeps, then hang up.
2. **NOTIFY ERO Non-Minimum Staff by:**
 - a. **DIAL** 9-1-626-651-0623 from a phone with access to outside phone lines.
 - b. WHEN connected to pager vendor as indicated by a series of three (3) beeps, **THEN ENTER** 911911911 followed by the pound (#) key.
 - c. **WAIT** for confirmation beeps, **THEN HANG** up.
 - d. **DIAL** 9-1-626-651-0005 from a phone with access to outside phone lines.
 - e. WHEN connected to pager vendor as indicated by a series of three (3) beeps, **THEN ENTER** 911911911 followed by the pound (#) key.
 - f. **WAIT** for confirmation beeps, **THEN HANG** up.

	<p align="center">Emergency Notifications</p>	<p>SO123-VIII-30.7 REV: 17</p>
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<p>Emergency Recall Activation</p>	<p>Attachment 2</p>
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SECTION F Security Recall System Scenario Messages:

Notification Of Unusual Event HU4.1, HU4.2 or HU4.3

A Notification of Unusual Event based on security events has been declared at SONGS. ERO personnel report to a staging area.

Alert HA4.1 or HA4.2

An ALERT based on security events has been declared at SONGS. ERO personnel report to a staging area.

Site Area Emergency HS4.1


A Site Area Emergency based on security events has been declared at SONGS. ERO personnel report to a staging area.

General Emergency HG1 or HG1.2

A General Emergency based on security events has been declared at SONGS. ERO personnel report to a staging area.

NRC Threat Advisory Level 5 - No Site-Specific Threat

PRECAUTIONARY - NRC Threat Advisory Level 5 has been issued. All On-Duty Minimum Staff ERO personnel report to Emergency Response Facilities in Building E-50.

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Event Notification Form & Key Points

Attachment 3

REFERENCE: SO123-VIII-30.7

SAN ONOFRE NUCLEAR GENERATING STATION EVENT NOTIFICATION FORM

This is ☐ a Drill, ☐ an Emergency.

Date: _____ Message No. _____

Emergency Classification:

- | | |
|--|--|
| (1) <input type="checkbox"/> A Notification of Unusual Event | (2) <input type="checkbox"/> has been declared |
| <input type="checkbox"/> An Alert | <input type="checkbox"/> is in progress |
| <input type="checkbox"/> A Site Area Emergency | <input type="checkbox"/> has been closed out |
| <input type="checkbox"/> A General Emergency | |

Time: (3) _____ Unit(s): (4) _____ Event Code: (5) _____

(Declaration/Reclassification/Close-out)

Meteorological Data:

Wind Direction (From) (6) _____ Degrees at _____ mph ... (Use CFMS Weather Page Of Reddose-V)

Protective Action Recommendations:

- There (7) ☐ Is a need for protective action beyond the Exclusion Area Boundary (EAB).
☐ Is not a need for protective action beyond the EAB.

Recommended Action: ... (Multiple choice allowed.) (Reference SO123-VIII-10.3)

- (8) ☐ None
- ☐ Evacuate State Beach within PAZ 1 immediately adjacent to SONGS
- ☐ Shelter PAZ(s) [] 1 [] 2 [] 3 [] 4 [] 5
- ☐ Evacuate PAZ(s) [] 1 [] 2 [] 3 [] 4 [] 5
- ☐ Ingest KI PAZ(s) [] 1 [] 2 [] 3 [] 4 [] 5

Release Information: (9)

- ☐ There has not been a radioactive release to the environment associated with this event
(Planned radioactive releases per an approved Liquid or Gaseous Release Permit remain within Federally approved operating limits)
- ☐ There was an event-related release that has been stopped
- ☐ There is an ongoing event-related radioactive release to the environment

The release is:

- ☐ above Federally approved operating limits.
- ☐ below Federally approved operating limits.

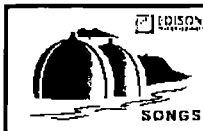
The event-related radiation dose:

- ☐ is measurable at the Exclusion Area Boundary.
- ☐ is not measurable at the Exclusion Area Boundary.

The release:

- ☐ is ☐ land
- ☐ was to the ☐ atmosphere. (Multiple choice allowed)
- ☐ ocean.

FACSIMILE



Emergency Notifications

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Event Notification Form & Key Points

Attachment 3

EVENT NOTIFICATION FORM (Continued)

This is ☐ a Drill. ☐ an Emergency. Message No. _____

Dose Rate Projections/Measurements: ... (Use when information is available and EOF OSAC is not staffed.)				
Expected Release Duration: (10) _____ (hrs)	Projected Dose (Mrem)	Calculated Plume Arrival Time	Field Measured Dose Rate	
Calculation Time: _____			(mrem/hr)	at time
Exclusion Area Boundary	TEDE			
	Thyroid CDE			
1 Mile	TEDE			
	Thyroid CDE			
2 Miles	TEDE			
	Thyroid CDE			
5 Miles	TEDE			
	Thyroid CDE			
10 Miles	TEDE			
	Thyroid CDE			

TEDE: Total Effective Dose Equivalent CDE: Committed Dose Equivalent

Current Plant Conditions: (11)

Prognosis of Emergency: (12)


Emergency Response Actions Underway Onsite: (13)

Request for Offsite Support: (14)

PREPARED BY: (15) _____

APPROVED BY: (16) _____

FACSIMILE

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Event Notification Form & Key Points	Attachment 3
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EMERGENCY CLASSIFICATION INFORMATION: (matched to the verbal information)

(1) **Emergency Action Level:** Enter appropriate emergency class.

(2) **Status of Emergency:** Check appropriate block.

(3) **Time:** Enter time event was actually declared, reclassified, or closed out.

(4) **Unit:** Enter affected unit(s) based on the following criteria:

- "2" if event category is A, C, F, H or S and it affects Unit 2 only
- "3" if event category is A, C, F, H or S and it affects Unit 3 only
- "ISFSI" if event category is E-H
- "2 and 3" if event category is A or H and it is common to Unit 2 and Unit 3, but does not affect the ISFSI.
- "2, 3 and ISFSI" if event category is H and it affects the entire site or is common to Unit 2, Unit 3 and ISFSI

(5) **Event Code:** Write as shown in SO123-VIII-1 (e.g., HA1.1).

METEOROLOGICAL DATA:

(6) **Wind:** Enter the From wind direction in degrees and the speed in miles per hour (use 10 meter 15 minute average Met Data, weather page, CFMS or RAD DOSE V).

PROTECTIVE ACTION RECOMMENDATIONS: (matched to the verbal information)

(7) **Protective Action Recommendations:** (Check appropriate box)

(a) Enter "is" for PAR necessary beyond the site boundary. Remember, this is for Edison-recommended offsite PARs only.

(b) If no PAR, then enter "is not" and skip directly to Release Information Section (9) on the bottom of ENF.

(8) **Recommended Action:** (Can be multiple choice) Enter appropriate PAR in accordance with SO123-VIII-10.3, Protective Action Recommendations.

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Event Notification Form & Key Points	Attachment 3
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(9) **Release Information:**

Release Definition: There is an increase in measurable quantities of radioactive material related to event which are in a pathway to the environment, or already in the environment (as measured by field monitoring).

Measurable at the Exclusion Area Boundary (EAB) Definition: Dose **above background** measured either by field monitoring teams at the EAB or by the Pressurized Ion Chambers surrounding the site (ask RP Leader). If there is no information confirming the release is measurable at the EAB, then check the box "is not".

Federally Approved Operating Limits

- a. If the following Gaseous Effluent Radiation Monitors are reading:

$$2(3)RE7870 \geq 4.0 \text{ E5 } \mu\text{Ci/sec}$$

OR

$$\text{Sum of } 2RE7865 \text{ and } 3RE7865 \geq 4.0 \text{ E5 } \mu\text{Ci/sec}$$

OR

2(3)RE7874A1 or 2(3)RE7874B1 = Valid reading above background with a release to atmosphere from an affected Steam Generator.

Then check the box "above" Federally Approved Operating Limits.

- b. If an Unmonitored release is detectable at the EAB, then check the box, "above" Federally Approved Operating Limits.
- c. If a Notification of Unusual Event is declared in accordance with SO123-VIII-1, Initiating Condition (IC) AU1 then check the box, "above" Federally Approved Operating Limits.
- d. If there is no information confirming an unmonitored release, then check the box, "below" Federally Approved Operating Limits as specified in the Offsite Dose Calculation Manual (ODCM).

If there is no event-related radioactive release in progress, then check the first box. ("There has not been")

If an event-related radioactive release did occur but was stopped, then check the second box. ("There was")

If an event-related radioactive release is ongoing, then check the third box. ("There is")

If release is gaseous, then check Atmosphere box.

If release is liquid and is on land, then check the Land Box

If release is liquid and is going into the Ocean, then check the Ocean Box.

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Event Notification Form & Key Points

Attachment 3

(10) DOSE RATE PROJECTIONS/MEASUREMENTS:

This information should be completed when the information is available and Offsite Dose Assessment Center, ODAC, is not staffed. Otherwise, dose rate information should be provided to the ODAC Leader who will disseminate it to the agencies.

NARRATIVE INFORMATION:

(11) Current Plant Conditions:

Describe briefly current plant conditions that form the basis for the emergency classification and or PAR. If an increase in classification, an upgrade in PAR, a start or stop of radiological release occurred within 15 minutes of the previous classification or PAR, and verbal notification was only provided for the second condition, include information about previous classification, PARs, or radiological release. Include time when radiological release started/stopped on this section. Also, if there are other significant plant updates for any Unit and it is not related to the current Emergency, it should be described in this section.

(12) Prognosis of Emergency:

Describe briefly trends in current plant conditions.

(13) Emergency Response Actions Underway Onsite:

Describe briefly current mitigating activities such as activation of emergency response facilities, repair or surveillance team activities.

(14) Request for Offsite Support:

Describe briefly request for support required from Offsite Agencies or enter none.

(15) PREPARED BY: Initialed by the EAN or leave blank if completed by Shift Manager.

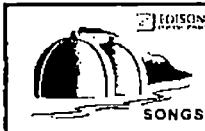
(16) APPROVED BY: Initialed by the EC as authorization to send the message.

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Summary of Changes	Attachment 4
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Author: David A. Clark PAX: 89967 Location: D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
NN 200807629	Upgrade the procedure to the standards outlined in SO123-XV-109.	See table below	DNA	All
EPIP Upgrade Project	Removed original section 6.1 and placed in the facility procedures Control Room (SO123-VIII-CR), Technical Support Center (SO123-VIII-TSC) and EOF (SO123-VIII-EOF) for the positions of Shift Communicator (CR); Emergency Advisor, Notifications(TSC) and Emergency Advisor, Notifications(EOF)		DNA	SO123-VIII-CR, SO123-VIII-TSC SO123-VIII-EOF
NN 201977443 Task 6	Change From: If upgrading from a Notification of Unusual Event (NOUE) to an Alert or higher classification, and entire Emergency Response Organization (ERO) has not already been recalled, then use recall system to stop current scenario, and start a new scenario using new Scenario ID per Attachment 2 within 10 minutes of event upgrade. Change To: When upgrading from a Notification of Unusual Event (NOUE) to an Alert or higher classification, and the Emergency Response Organization (ERO) has not already been recalled: 1. Use recall system to stop current scenario 2. Start a new scenario using new Scenario ID per Attachment 2 within 10 minutes of event upgrade		DNA	Step 6.1.2, 6.1.2.1, and 6.1.2.2
NN 201977443 Task 7	Moved steps 6.10.5 and 6.10.5.1 to SO123-VIII-CR (Shift Communicator) and SO123-VIII-EOF Yellow Phone Communicator in Yellow Phone Problems..		DNA	SO123-VIII-CR SO123-VIII-EOF.
NN 202092796	Added EOC to San Juan Capistrano to make the title reflect the actual title for phone station #26.		DNA	Step 6.2.3.3
NN 201977443 Task 2 and 9	ADDED Note prior to step <p style="text-align: center;"><u>NOTE</u></p> A Radiological Release Has occurred when there is a measurable increase in radioactive material related to the event that is in a pathway to the environment <p style="text-align: center;">OR</p> In the environment as measured by field monitoring A Radiological Release has stopped when there is no longer a pathway to the environment <p style="text-align: center;">AND</p> There are no longer indications of an active radiological release		DNA	Step 6.4.1.2



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Summary of Changes

Attachment 4

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
NN 201977443 Task 10	Change From: Enter Event Code that consists of the Event Category (A, C, E-H, F, H, S), Emergency Class Change To: Enter Event Code that consists of the Event Category (A, C, E, E-H, F, H, S), Emergency Class	See table below	DNA	Attach 2, Keypoint 10, Page 23
NN 201977443 Task 11	Added weather page, CFMS or RAD DOSE V to provide alternate means for obtaining wind direction and speed.		DNA	Attach 2 Keypoint 11 Page 19
	weather page, CFMS or RAD DOSE V		DNA	Attach 4 Keypoint 6 Page 29
NN201940236	Add: If the notification is given during nonworking hours or the station does not respond; request the counties notify their cities EOC.		DNA	Step 6.2.6
	Change From: YPS call followed by an alternate number call prior to performing the 30 minute printed message YPDS transmission. Change To: YPS call followed by an alternate number using the Emergency Response Telephone Directory (ERTD) call prior to performing the 30 minute printed message YPDS transmission.		DNA	Step 6.2.4
	Add note 2 prior to step: All emergency response and support organizations shall be promptly notified of the termination of the emergency, and/or the initiation of recovery operations, in the same manner as was used for initial notification.		DNA	Step 6.5.1
NN202006509	Add: Ensure ENF message has been received by off-site agencies (i.e. fax confirmation received).		DNA	Step 6.3.2
NN202016390	Add: Report status of 30-minute printed message notification to EAN/EC.		DNA	Step 6.3.2.1
	Deleted step. This is covered in the EPIPs for the ERO Positions.		DNA	Step 6.1.3
Betterment	Split step 6.1.2 into separate steps to reduce the number of actions per step.		DNA	Steps 6.1.2, 6.1.2.1, and 6.1.2.2
	Split step 6.1.3 into separate steps to reduce the number of actions per step.		DNA	Steps 6.1.3 and 6.1.3.1
	Added COMM EOC to (28) Orange County to differentiate between (27) Orange County and (28) Orange County		DNA	6.2.3.3
	Deleted words Emergency Coordinator, this is not needed in this step because the abbreviation is there and Emergency Coordinator is defined in definitions.		DNA	Step 6.2.8.1



Emergency Notifications

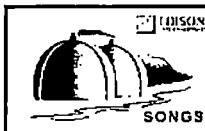
SO123-VIII-30.7
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Summary of Changes

Attachment 4

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
ADMIN	Statement for color relevance on the cover page is required by SO123-VI-28.	See table below	DNA	Page 1
	Added scope statement per SO123-XV-109.		DNA	Step 1.2
	Revised step per SO123-XV-109 and verbiage for EPIPs.		DNA	Step 5.1.2
ADMIN	Added clock in margin to remind the performance of step(s) has to be completed within the designated time frame.		DNA	Steps 6.2.1 and 6.2.2
	Added Section 9.0 Acronyms/Definitions to procedure per SO123-XV-109.		DNA	Section 9.0
	Changed HP to RP to reflect organizational changes at SONGS.		DNA	Attach 4 Keypoint 9
	Combined sections 6.2 and 6.3 to eliminate redundancies.		DNA	Section 6.2
	Changed CAL EMA to CAL OES		DNA	Step 6.3.1.6
	Changed CAL EMA to CAL OES		DNA	Step 6.4.6
	Changed CAL EMA to CAL OES		DNA	Step 6.5.3.3
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Deleted step. The yellow phone communicator has been merged with the EAN position due to ERO Reduction.		DNA	Step 6.5.2.4
Reviewer comments	In Note 1 prior to step 6.2.1 changed shall to should.		DNA	Step 6.2.1
	In Note 2 prior to step 6.2.1 changed had to be to shal be.		DNA	Step 6.2.1
	Deleted "IF completing form, THEN" from the beginning of step.		DNA	Step 6.2.1.2
	Added quote marks to step.		DNA	Step 6.2.1.2
	In note 1 following step 6.2.1.4 added CAL OES's alternate number can be used for clarification.		DNA	Step 6.2.1.4
	In note 2 following step 6.2.1.4 added then alternate numbers in ERTD and other communication methods can be used for clarification.		DNA	
	Added note 3 following step 6.2.1.4 for clarification.		DNA	
	In note 4 following step 6.2.1.4 added Event Declaration Time for clarification.		DNA	Step 6.2.2
	In note prior to step 6.2.2 added Event Declaration Time prior to EDT		DNA	
	Changed CAL EMA to CAL OES		DNA	
	Added step toused ERTD for alternate numbers.		DNA	Step 6.2.3.1



Emergency Notifications

SO123-VIII-30.7

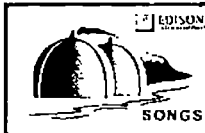
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Summary of Changes

Attachment 4

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
Reviewer comments	Revised the conditional portion of 6.2.7 by adding to step that the notifications can be combined into one notification and combining portion of step 6.3.5 to inform the communicator to complete notification skipping the roll call portion of the verbal notification form AND STANDBY for a new set of notifications.	See table below	DNA	Step 6.2.7
	Deleted old step 6.2.8. This is a duplicate of step 6.2.7		DNA	Step 6.2.7
	Moved old Step 6.6 to step 6.2.8. This step also requires a 15 minute notification.		DNA	Step 6.2.8
	Revised step to say "EAN/EC COMPLETE ENF". Deleted portion of step to deliver the ENF to the communicator.		DNA	Step 6.3.1
	Moved steps 1.1.1 and 1.1.1 to after step 6.3.1		DNA	Steps 6.3.1.1 and 6.3.1.2
	Deleted old step 6.3.5.1. This is a duplicate step.		DNA	Old Step 6.3.5.1
	Added EAN/EC to step to give the performer of the step.		DNA	Step 6.3.1.3
	Changed IF to Verify to simplify step.		DNA	Step 6.3.1.4
	Moved note from prior to step 6.4.1.6 to prior to step 6.3.1.5.		DNA	Step 6.3.1.5
	Deleted hand drafted from step. All forms are hand drafted.		DNA	Step 6.3.1.5
	Changed CAL EMA to CAL OES		DNA	Step 6.3.1.6
	Revised step to record status on the notification board.		DNA	Step 6.3.2.1
	Deleted old step, Fax completed VNF to TSC and/or EOF		DNA	Step 6.4.1.11
	Step numbering changed due to moving step 6.6		DNA	Step 6.4
	Added OR as directed by the EC to step		DNA	Step 6.4.1
	In note prior to step 6.4.2 deleted Yellow Phone Communicator can prepare follow up VNF without EAN assistance. The position of Yellow Phone Communicator has been eliminated due to ERO reduction.		DNA	Step 6.4.2
	Deleted hand drafted from step.		DNA	Step 6.4.3.1
	Moved note prior to step.		DNA	Step 6.4.3.3
	Deleted old steps 6.7.3.4 through 6.7.3.6		DNA	Steps 6.7.3.4 through 6.7.3.6
	Revised step to transmit ENF message to offsite agencies.		DNA	Step 6.4.4
	Revised step to record status on the notification board.		DNA	Step 6.4.8
	Changed CAL EMA to CAL OES		DNA	Step 6.4.8
	Revised step to record status on the notification board.		DNA	Step 6.5.4



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Summary of Changes

Attachment 4

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
Reviewer Comments	Deleted old step	See table below	DNA	Step 6.7.4.5
	Deleted old steps 6.8.2.4 through 6.8.2.6		DNA	Steps 6.8.2.4 through 6.8.2.6
	Deleted hand drafted from step.		DNA	Step 6.5.2.1
	Deleted old step.		DNA	Step 6.8.3.5
	Moved Section 6.11 EOF Administrative Actions to Attachment 2 Section 6.0		DNA	Attachment 2
	Moved checklist from section 5.0 CHECKLISTS to SO123-VIII-CR (Shift Communicator checklist) and SO123-VIII-EOF Yellow Phone Communicator checklist and EAN checklists		DNA	SO123-VIII-CR and SO123-VIII-EOF
	Moved section 6.10 to SO123-VIII-CR (Shift Communicator) and SO123-VIII-EOF Yellow Phone Communicator in Yellow Phone Problems.		DNA	SO123-VIII-CR and SO123-VIII-EOF
	Moved step 6.3.3.3 to SO123-VIII-CR (Shift Communicator) and SO123-VIII-EOF Yellow Phone Communicator in Yellow Phone Problems.		DNA	SO123-VIII-CR and SO123-VIII-EOF
	Revised key point 12 in key points for VNF form		DNA	Attachment 1 Page 18

Document Reviewers:	Name:
EP/OPS	John Kennel (INFO ONLY)
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EAN	Lee Kelly
EAN	Ryan Pettus (INFO ONLY)
EAN	Julie Holt (INFO ONLY)
EP/50.54q	George Medina
EP Cognizant Supervisor	Larry McCann
Approvers:	
CFDM Final Approval:	Deborah Lindbeck

Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	Attachment 3
Reference Use	<ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All Except Attachment 3

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QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES / RX DNA

Procedure Type
EPIP

Procedure Owner
Deborah Lindbeck



Emergency Response Organization (ERO) Control Room Position Checklists

SO123-VIII-CR
REV: 0 EC-1

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NOTE

The Shift Communicator may perform the Operations Leader Checklist as assigned by the Shift Manager (SM)/Assistant Shift Manager (ASM).

1.0 RESPONSIBILITIES

1.1 **VERIFY** Level of Use requirements on the first page of this procedure.

1.2 The responsibilities of the CR ERO personnel are as follows:

1.2.1 Shift Communicator

- Performs all E-Plan required notifications until relieved by TSC or EOF Staff. After transferring duties, is responsible for general communication and administrative duties in TSC.
- Initiates communications with the NRC via the ENS line and maintains a continuous communications link upon request until relieved by TSC staff.

1.2.2 Operations Leader

- Provides the interface between the Control Room and the TSC and OSC via the Ivory Phone.
- Activates the sirens and performs the Public Address Announcements that are required for Assembly and Evacuation
- Report any abnormalities to the Shift Manager(SM)/Assistant Shift Manager (ASM) immediately and provide assistance in formulating a plan for appropriate corrective action.

REFERENCE USE



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2.0 ACRONYMS

2.1	<u>ARM:</u>	Area Radiation Monitor
2.2	<u>AWS:</u>	Administration Warehouse & Supply/Shop
2.3	<u>CAL OES:</u>	California Office of Emergency Services
2.4	<u>CAPR:</u>	Corrective Action to Prevent Reoccurrence
2.5	<u>CED:</u>	Corporate Emergency Director
2.6	<u>CEDE:</u>	Committed Effective Dose Equivalent
2.7	<u>CDE:</u>	Committed Dose Equivalent
2.8	<u>CFMS</u>	Critical Function Monitoring System
2.9	<u>CR:</u>	Control Room
2.10	<u>DAC:</u>	Derived Airborne Concentration
2.11	<u>DACS</u>	Dose Assessment Computer System
2.12	<u>EAL:</u>	Emergency Action Level
2.13	<u>EAN:</u>	Emergency Advisor, Notifications
2.14	<u>EC:</u>	Emergency Coordinator
2.15	<u>ENF:</u>	Event Notification Form
2.16	<u>EOC:</u>	Emergency Operations Center
2.17	<u>EOF:</u>	Emergency Operations Facility
2.18	<u>EP:</u>	Emergency Plan
2.19	<u>EPC:</u>	Emergency Planning Coordinator
2.20	<u>EPIP:</u>	Emergency Plan Implementing Procedure

REFERENCE USE




Emergency Response Organization (ERO) Control Room Position Checklists

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2.21	<u>ERDS:</u>	Emergency Response Data System
2.22	<u>ERF:</u>	Emergency Response Facility
2.23	<u>ERO:</u>	Emergency Response Organization
2.24	<u>ERTD:</u>	Emergency Response Telephone Directory
2.25	<u>ISFSI:</u>	Independent Spent Fuel Storage Installation
2.26	<u>KI:</u>	Potassium Iodide
2.27	<u>NIA:</u>	North Industrial Area
2.28	<u>NRC:</u>	Nuclear Regulatory Commission
2.29	<u>OSLD</u>	Optically Stimulated Luminescent Dosimeter
2.30	<u>OCA:</u>	Owner Controlled Area
2.31	<u>PA:</u>	Protected Area
2.32	<u>PAPA:</u>	Protected Area Personnel Accountability
2.33	<u>PAR:</u>	Protective Action Recommendation
2.34	<u>PAZ:</u>	Protective Action Zone
2.35	<u>RP:</u>	Radiation Protection
2.36	<u>SAMG:</u>	Severe Accident Management Guideline
2.37	<u>SC:</u>	Shift Communicator
2.38	<u>SCBA:</u>	Self-Contained Breathing Apparatus
2.39	<u>SCE:</u>	Southern California Edison
2.40	<u>SCP:</u>	Safeguards Contingency Plan
2.41	<u>SED:</u>	Station Emergency Director

REFERENCE USE

	Emergency Response Organization (ERO) Control Room Position Checklists	SO123-VIII-CR REV: 0 EC-1
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- 2.42 SM: Shift Manager
- 2.43 SONGS: San Onofre Nuclear Generating Station
- 2.44 SRO: Senior Reactor Operator
- 2.45 TSC: Technical Support Center
- 2.46 VNF: Verbal Notification Form
- 2.47 YPS: Yellow Phone System

3.0 PROCEDURE

- 3.1 **OBTAIN** a copy of the applicable ERO position checklist. This checklist may be found in the back of each ERO Position Book or may be obtained from this procedure.

4.0 RETENTION OF RECORDS

- 4.1 **COLLECT** all paperwork generated in response to the emergency event (e.g., logs, procedures, attachments, forms and checklists) **AND DELIVER** to either the TSC Manager, EOF Emergency Planning Coordinator or OSC Emergency Planning Coordinator.

REFERENCE USE



Emergency Response Organization (ERO) Control Room Position Checklists

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Shift Communicator Checklist

Attachment 1

POSITION CHECKLIST

NOTE

1. This checklist may be performed concurrently with the Operations Leader Checklist by the Operations Leader.
2. Steps may be performed in any order or concurrently.

1.0 Initial Actions

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) 10, Event Notification Form
- EP(123) 11, Verbal Notification Form
- EP(123) ERO-1, Notification of Departure From License Conditions

1.2 **ESTABLISH AND MAINTAIN** a log of all decisions and actions required by EPIPs, **AND IDENTIFY** items requiring feedback.

1.3 **REPORT** to EC prepared to initiate notifications when directed or upon awareness that abnormal conditions may lead to one of the following:

- Initial Event Declaration
- Event Reclassification
- Upgrade in PAR including additional PAZ(s)
- Start of radiological release
- Stop of radiological release

2.0 Continuing Actions

2.1 **INITIATE** communication with the NRC within one hour.

2.2 **MAINTAIN** an open, continuous communication channel if requested by the NRC.

2.3 **ENSURE** the NRC is provided follow-up notification information, reclassification, and other pertinent information.

2.4 **IF** a subsequent notification per 10CFR50.72 is required, **THEN ENSURE** the 10CFR50.72 report is made to the NRC Headquarters Operations Officer and **NOT** the NRC phone talker.


- 2.5 IF the Emergency Response Data System (ERDS) is **NOT** functioning, **THEN NOTIFY** the NRC.
- 2.6 Before turnover of EC duties to the EOF, **VERIFY** notifications are initiated as soon as possible and NO later than the times indicated below (event declaration/reclassification, PAR upgrade, start or stop of radiological release sets time 0):



NOTIFICATION TIME LIMITS		
TIME LIMIT	NOTIFICATION	RESPONSIBILITY
EDT + 15 minutes	EP(123) 11, Verbal to Local & State	EAN
As soon as possible but within 1 hour of EDT	Red Phone verbal to NRC	OPS
EDT + 30 minutes	EP(123) 10, ENF to Local & State	EAN
EDT + 90 minutes and every 60 minutes thereafter	EP(123) 10, ENF Follow-up	EAN


(EDT = Event Declaration Time)

- 2.7 15-Minute Verbal Notification
- 2.7.1 **PREPARE** Form EP(123) 11, Verbal Notification Form (VNF).
- 2.7.2 **OBTAIN** Verbal Notification approval initials from the EC.
- 2.7.3 IF Recall is required to be performed, **THEN INITIATE** Recall using VNF.
- 2.7.4 **PERFORM** Blue Phone verbal notification.
- 2.7.5 **PERFORM** YPS verbal notification.
- 2.7.6 **REPORT** verbal notification status to the EAN/EC.
- 2.8 30-Minute Printed Message
- 2.8.1 **PREPARE** Event Notification Form, (ENF).
- 2.8.2 **RETRIEVE** completed EC-approved, ENF.
- 2.8.3 **ENTER** ENF data into the computer.
- 2.8.4 **PRINT** message.
- 2.8.5 **OBTAIN** approval of the printed message by the EC.
- 2.8.6 **FAX** ENF to all YPS stations and to the California Office of Emergency Services (CAL OES).

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Shift Communicator Checklist	Attachment 1
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- 2.8.7 **RECORD** Fax start time on VNF, Section 6.0.
- 2.8.8 **FAX** completed VNF to TSC and/or EOF (ref ERTD).
- 2.8.9 **REPORT** printed message status to the EC.
- 2.9 Follow-Up Notification
 - 2.9.1 **PREPARE** VNF (Sections 2 and 5).
 - 2.9.2 **COMPLETE** ENF
 - 2.9.3 **RETRIEVE** completed EC-approved, ENF.
 - 2.9.4 **ENTER** ENF data into computer.
 - 2.9.5 **PRINT** message.
 - 2.9.6 **OBTAIN** approval of printed message by the EC.
 - 2.9.7 **PERFORM** Blue and Yellow Phone verbal notification using VNF Sections 2 and 5.
 - 2.9.8 **FAX** ENF to all YPS stations and to CAL OES.
 - 2.9.9 **RECORD** completion time on VNF, Section 6.0.
 - 2.9.10 **FAX** completed VNF to TSC and/or EOF.
 - 2.9.11 **REPORT** printed message status to the EC.
- 2.10 Turnover
- 2.11 WHEN notified by the SM/ASM that EC turnover to the TSC (SED) is complete, THEN the Shift Communicator **TRANSFER** responsibility for event and follow-up notifications to TSC EAN.
- 2.12 IF you are the Communicator at the CR, THEN **PROCEED** to the TSC WHEN notified by the Shift Manager that EC turnover is complete **AND** **CONTINUE** to assist the TSC EAN and TSC Manager.
- 3.0 **Yellow Phone System Problems**
 - 3.1 IF there are YPS system problems, THEN **CONTACT** Telecom Control Center (TCC) at PAX 51200.
 - 3.2 IF nearest YPS is **NOT** working or is inaccessible (i.e., equipment malfunction or uninhabitable atmosphere), THEN emergency notifications could be completed using the YPS at other Emergency Response Facilities **OR** from a safe location using the alternate telephone and fax numbers.

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Shift Communicator Checklist

Attachment 1

3.2.1 **REFER** to Verbal Notification Form (VNF), EP(123)11.

3.3 IF Yellow Phone Voice Circuit is completely inoperable, THEN:

3.3.1 Using the alternate number found in the VNF or ERTD, **CONTACT** Orange County (Station 27).

3.3.1.1 **READ** the VNF information AND **INFORM** them the Yellow Phone is inoperable.

3.3.1.2 **REQUEST** Orange County relay the VNF information to the cities of Dana Point, San Juan Capistrano and San Clemente.

3.3.2 **INFORM** the jurisdictions that further updates will be through the Yellow Phone Bridge Line (949-368-3800, access code 0852).

3.3.3 Using the alternate number found in the VNF or ERTD; **CONTACT** the San Diego County EOC (Station 46), USMC Command Center (Station 23), State Parks Dispatch (Station 29), Edison Generation Operations (Station 42);

3.3.3.1 **READ** the VNF information AND,

3.3.3.2 **INFORM** them the Yellow Phone is inoperable.

3.3.3.3 **INFORM** the jurisdictions that further updates will be through the Yellow Phone Bridge Line (949-368-3800, access code 0852).

3.3.3.4 **INFORM** the jurisdictions that further updates will be through the Yellow Phone Bridge Line (949-368-3800, access code 0852).

3.3.3.5 **REQUEST** assistance for offsite notifications from another facility Communicator or from Edison Generation Operations (Station 42).


3.3.4 IF there are YPS system problems, THEN **CONTACT** Telecom Control Center (TCC) at PAX 51200.

3.3.5 IF all stations report no message receipt, THEN **FAX** printed message from another fax machine.

NOTE

The following steps will tie an outside phone call directly into YPS. The station must maintain an open line.

3.4 IF a YPS voice circuit fails, THEN **CONTACT** affected station AND **DIRECT** them to dial (949) 368-3880 followed by Access Code 0852 to connect to YPS verbal circuit.

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Shift Communicator Checklist	Attachment 1
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3.5 IF more than three backup lines are needed, **THEN CONTACT** affected station **AND DIRECT** them to dial (949) 368-3800 followed by Access Code 0852 to YPS verbal circuit.

3.5.1 IF there are YPS system problems, **THEN CONTACT** Telecom Control Center (TCC) at PAX 51200.

4.0 **Turnover**

4.1 Upon activation of the Technical Support Center, **TRANSFER** NRC communication duties to the TSC Red Phone Communicator.

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Operations Leader Instruction/Checklist	Attachment 2	

NOTE

This checklist may be performed concurrently with the Shift Communicator
Checklist by the Shift Communicator

POSITION CHECKLIST

Operations Leader Supplemental Position Instructions
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12.0	Continuing Actions.....	18
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14.0	Accountability	20
15.0	Operator Dispatch and Tracking.....	21
16.0	Exposure Control.....	22
17.0	Evacuation.....	22
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21.0	Deviation From License Conditions.....	25
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Emergency Response Organization (ERO) Control Room Position Checklists

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Operations Leader Instruction/Checklist

Attachment 2

NOTE

1. Sections 11.0 through 23.0 provide supplemental instructions for performing the Operations Leader duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 Initial Actions

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) ERO-7, PA/Siren Coordination
- EP(123) 3, Emergency Exposure Authorization

1.2 **MAINTAIN** a log of decisions and actions required by EPIPs, including Ivory Phone communications and decisions.

1.3 **COORDINATE** PA/Siren process

1.3.1 **PREPARE** Site Public Address System message.

1.3.2 **ANNOUNCE** message once over Site Public Address System.

1.3.3 **SOUND** Units 2/3 sirens.

1.3.4 **PRESS** Emergency Evacuation Siren start pushbutton (HS-7890-1) on CR 57 (Unit 2/3).

1.3.5 **REPEAT** Site Public Address System announcement from Form EP(123) ERO-7, PA/Siren Coordination, two times.


1.3.6 **PROVIDE** periodic follow-up announcements for event conditions.

1.4 At Alert Declaration, or higher, **DIRECT** the Control Room Staff to sign on to an REP **AND OBTAIN** dosimetry.

2.0 Continuing Actions


2.1 **ASSIST** with event classification (SO123-VIII-1, Recognition and Classification of Emergencies).

2.2 **DIAGNOSE** plant conditions.

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Operations Leader Instruction/Checklist	Attachment 2
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- 2.2.1 During Steam Generator Tube Rupture events, **DETERMINE** if the affected steam generator is partitioned.
- 2.3 **ADVISE** the Shift Manager, including PARs per SO123-VIII-10.3.
- 2.4 **MONITOR** Critical Parameter/Safety Function indications to assure the plant response is appropriate, including an assessment of whether the core is being adequately cooled.
- 2.5 For security events, **DIRECT** Control Room Staff to report to the Control Room Lunch Room.
- 3.0 **Ivory Phone Command and Control**
- 3.1 **MAINTAIN** Ivory Phone as a command and control network.
- 4.0 **Accountability**
- 4.1 **EDIT** the operations "24-Hour Manning Sheet" to ensure an accurate list of all on-shift operators.
 - 4.1.1 **IDENTIFY** which operators are in the Control Room area.
 - 4.1.2 **CONTACT** all operators who are outside the Control Room area.
- 5.0 **Operator Dispatch and Tracking**
- 5.1 **ENSURE** Control Room personnel are aware of the need to track and protect in-plant operators during Team Briefs.
- 5.2 **IF** OSC is **NOT** activated, **THEN** **INFORM** in-plant operators to do one of the following:
 - **OBTAIN** approval from Control Room Supervisor or Units 2/3 SM to waive RP coverage when they are sent to the field with Personal Dosimetry from the Control Room E-kit.
 - **OBTAIN** RP coverage **WHEN** they are sent to the field.
 - **OBTAIN** RP assurance that coverage is **NOT** required.
- 5.3 **IF** OSC is activated, **THEN** **INFORM** in-plant operators being sent from the Control Room, they should call OSC Operations Coordinator.
 - 5.3.1 For security events, **DIRECT** Operations Personnel to report to the Control Room Lunch Room.

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Operations Leader Instruction/Checklist	Attachment 2
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6.0 **Exposure Control**

- 6.1 **IF** a Site Area Emergency (SAE) is declared, **OR** site assembly or evacuation is ordered, **THEN** **PROHIBIT** eating, drinking and smoking in the Control Rooms until clearance has been given by RP.
- 6.2 **IF** a release occurs **OR** radiation levels increase above normal, **THEN** **ISSUE** dosimetry (electronic or pocket ion chambers) from the Control Room Emergency Kit to Control Room Personnel.

7.0 **Evacuation**

7.1 Evacuation Hazards

- 7.1.1 **IF** hazards are present, **THEN** **INITIATE** actions for a local area evacuation per SO23-13-1.
- 7.1.2 **IF** any hazards affect major portions of the Protected Area(s), Owner Controlled Area, ISFSI or NIA, **THEN** **CONTACT** SM or SED, **AND** **RECOMMEND** a site assembly or evacuation.
- 7.1.3 **IF** any hazards affect a major portion of the Mesa Area, **THEN** **CONTACT** EC **AND** **RECOMMEND** a Mesa Area assembly or evacuation.

7.2 Local Area Evacuation


- 7.2.1 **PERFORM** a local area evacuation per SO23-13-1, Local Area Evacuation.

7.3 Control Room Evacuation

- 7.3.1 **EVALUATE AND PERFORM** a local area evacuation per SO23-13-2, Shutdown From Outside The Control Room.

7.4 Site Assembly and Evacuation

- 7.4.1 **IF** a site assembly is required, **THEN** **ENSURE** the following steps are performed:
- 7.4.1.1 **PERFORM** PA/Siren coordination to assemble non-emergency response personnel.
- 7.4.1.2 **IF** the TSC has **NOT** been activated, **THEN** **PROVIDE** Assembly Area Coordinators plant information appropriate to the event using Assembly Area Briefing script located in the Units 2/3 Operations Leader notebook.
- 7.4.1.3 **PERFORM** PA/Siren coordination to periodically update all site personnel on plant status.
- 7.4.1.4 **IF** a site evacuation is required, **THEN** **PERFORM** PA/Siren coordination to evacuate non-emergency response personnel.

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Operations Leader Instruction/Checklist

Attachment 2

7.5 Re-Entry Into Evacuated Areas

- 7.5.1 WHEN requested by EC/SED, THEN PROVIDE plant data and operations assistance required to support re-entry into evacuated areas.

7.6 Emergency Exposure Authorization

- 7.6.1 IF a need for a lifesaving or plant saving emergency exposure is identified, AND OSC or TSC are NOT activated, THEN PERFORM the following:

- 7.6.1.1 **INFORM** EC/SED of the need for an emergency exposure has been identified and volunteers are being located.

- 7.6.1.2 **OBTAIN** volunteers considering the following criteria:

- Declared pregnant women should not be selected
- All considerations being equal, the individual should be over age 45

- 7.6.1.3 **DISTRIBUTE** Form EP(123) 3, Emergency Exposure Authorization, to volunteers.

- 7.6.1.4 **ENSURE** volunteers read and understand the sections on emergency exposure guidelines and effects of acute radiation exposures.

- 7.6.1.5 **COMPLETE** Sections 5, 6, and 7 on Form EP(123) 3, Emergency Exposure Authorization.

- 7.6.2 IF a need for a lifesaving or plant saving emergency exposure is identified, AND OSC is activated, THEN:

- 7.6.2.1 **REQUEST** OSC to brief volunteers.

- 7.6.2.2 **OBTAIN** EC/SED authorization for emergency exposure.


- 7.6.2.3 **DISPATCH** resources.

7.7 Event Reclassification

- 7.7.1 **REVIEW** SO123-VIII-1.

- 7.7.1.1 WHEN plant conditions change which may affect event classification, THEN MAKE recommendations to TSC Emergency Advisor, Operations.

- 7.7.2 IF emergency is reclassified, THEN INFORM Control Room personnel and in-plant operators.

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Operations Leader Instruction/Checklist

Attachment 2

7.8 Recovery Initiation

7.8.1 WHEN requested by EC/SED, THEN PROVIDE a list of damaged plant equipment which would prevent operations being resumed with normal station organization.

7.8.1.1 **CONTACT** OSC Operations Coordinator for input.

7.8.1.2 **RECOMMEND** Operations personnel and equipment necessary for a recovery organization.

8.0 Deviation From License Conditions

8.1 **IMPLEMENT** actions which will intentionally deviate from license conditions WHEN all of the following conditions have been met:


- Immediate intentional action is necessary to avert adverse consequences to public health and safety.
- **NO** adequate or equivalent protective action that is consistent with the license is apparent.
- The action is reasonable (an unreasonable action would be one which exposes personnel or equipment to greater peril than the adverse consequences which the action is intended to avert).
- The deviation from license is only to extent necessary to meet the emergency.
- There is **NOT** time for an amendment of the license to be approved by NRC.
- The deviation is approved by a Unit 2/3 SRO (preferably SM).

9.0 Turnover

9.1 WHEN oncoming Units 2/3 Operations Leader arrives at the Control Room, THEN CONDUCT turnover with oncoming Units 2/3 Operations Leader in accordance with Form EP(123) 5 EP(123) 5, Turnover Status.

10.0 Event Closeout

10.1 WHEN plant conditions change which may allow or affect event closeout, THEN INFORM TSC Operations Emergency Advisor.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 11.0 through 23.0 provide supplemental instructions for performing the Operations Leader duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

11.0 PA/Siren coordination



- 11.1 Immediately (within 15 minutes of event declaration), **PERFORM** PA/Siren coordination per steps 11.2 and 11.3 before continuing with this checklist. [NN 201507385]

- 11.2 IF PA process is being coordinated from outside the Control Room, THEN PERFORM only steps in 11.3.3 when given direction from the TSC to sound Units 2/3 sirens.

11.3 **COORDINATE** PA/Siren process:

- 11.3.1 **PREPARE** Site Public Address System message, with input from the EC and IF time permits, a peer check, using Form EP(123) ERO-7, PA/Siren Coordination, page 1 for non-security events, page 2 for Code Red security events, or page 3 for Code Blue security events

- 11.3.2 **ANNOUNCE** message ONCE over Site Public Address System.

- 11.3.3 **SOUND** Units 2/3 sirens as follows (N/A for Notification of Unusual Event [NOUE]):

- 11.3.3.1 **ACTIVATE** PAX 'tone generator' sirens as follows:


- 11.3.3.2 On a Control Room PAX phone, **PICK UP** the hand set.

- 11.3.3.2.1 **PRESS AND RELEASE** the Red 'Shift' button.

- 11.3.3.2.2 **PRESS AND RELEASE** the Red 'Siren All' button.

- 11.3.3.2.3 **LISTEN** on the hand set for 'ringing' followed by a 'beep'.

- 11.3.3.2.4 After about three seconds of silence (start delay), **LISTEN** on the hand set for the siren tone, THEN HANG UP the hand set.

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11.3.3.2.5 **PRESS** Emergency Evacuation Siren start pushbutton (HS-7890-1) on CR 57.



11.3.3.2.6 After a 60-second run, **PRESS** Emergency Evacuation Siren stop pushbutton on CR 57.



11.3.3.2.7 IF PAX 'tone generator' siren does **NOT** time out and stop after 60 seconds, THEN PRESS the Green Siren Kill/Reset button for three seconds AND RELEASE.

11.3.4 **ENSURE** all sirens are secured.

11.4 **REPEAT** Site Public Address System announcement from Form EP(123) ERO-7, PA/Siren Coordination, two times.

11.5 IF the PAR includes "Evacuate State Beach," THEN MAKE the following announcement twice, using Perimeter Public Address handset in SM's office:

11.5.1 For a Code Red Security event:

"Attention on the beach. Attention on the beach. A Security response is in progress; evacuate the beach immediately. A Security response is in progress, evacuate the beach immediately."

11.5.2 For all other events/situations:

"May I have your attention! An emergency condition exists at the San Onofre Nuclear Generating Station. Please leave the area in a safe and orderly manner."



11.6 For any ongoing security event, **PROVIDE** periodic follow-up announcements (approx. every 15 minutes) to ensure personnel safety.


11.7 For any ongoing non-security event, **PROVIDE** periodic follow-up announcements for event conditions.

12.0 Continuing Actions

12.1 **EVACUATE** personnel from hazardous areas (see Section 17.0).

12.2 **NOTIFY** EC of N/A and/or the ISFSI changing conditions and make recommendations in accordance with SO123-VIII-1.

12.3 **USE** the Ivory Phone to provide plant status to other emergency facilities on the circuit (see Section 13.0).

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12.4 **MAINTAIN** a log of decisions and actions required by EIPs including but not limited to:

- Documentation of conditions, events, and communications.
- Complete an adequate record of actions and decisions made to minimize misunderstanding and to identify items requiring follow-up actions.

12.5 **RETAIN** operators needed for immediate in-plant response **AND** **DIRECT** auxiliary operators to report to the Operations Support Center (OSC).

12.6 For security events, **DIRECT** auxiliary operators to report to the Control Room Lunch Room.

12.7 **TRACK** location of on-shift operators (see Section 14.0).

12.8 WHEN OSC Operations Coordinator is ready, THEN **TRANSFER** tracking of location of on-shift operators (see Section 14.0).

12.9 WHEN sending operators from the Control Room to the field, THEN **INFORM** OSC Operations Coordinator (see Section 15.0).

12.10 **CONTACT** Radiation Protection (RP) for in-plant radiological conditions **AND** **INFORM** them of changes in plant conditions which may affect radiological conditions (see Section 16.0).

12.11 IF a Site Area Emergency (SAE) or General Emergency (GE) is declared, THEN **PROHIBIT** eating, drinking and smoking in the Control Room until clearance has been given by RP (see Section 16.0).


12.11.1 IF emergency exposure authorization is required prior to Technical Support Center (TSC) or OSC activation, THEN **OBTAIN** volunteers and complete the form (see Section 18.0).



12.11.2 **BRIEF** Operations personnel assigned to NIA and ISFSI approximately every 30 minutes or as conditions warrant. Include the following:

- Plant Status
- Emergency Response Priorities (i.e., repair activities)
- Onsite protective actions and Offsite PARs made by the EC

12.12 **REVIEW** this procedure periodically during emergency response and following each reclassification.

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13.0 **Ivory Phone Command and Control**

13.1 **MAINTAIN** Ivory Phone as a command and control network.

- 13.1.1 **INFORM** personnel of emergency conditions, plant status, on-going work related to the emergency, **AND PROVIDE** periodic updates.
- 13.1.2 **ENSURE** formal communication techniques are used when passing information over Ivory Phone circuit.
- 13.1.3 **MINIMIZE** incoming questions by providing frequent information updates on the status of the emergency over the Ivory Phone circuit.
- 13.1.4 **MINIMIZE** Ivory Phone traffic by directing lengthy and unrelated communications to alternate phone lines.
- 13.1.5 **RELAY** requests for assistance to Emergency Response Facilities (ERF).
- 13.1.6 **ESTABLISH AND MAINTAIN** a log of significant Ivory Phone communications, and items requiring feedback.


14.0 **Accountability**

14.1 **EDIT** the operations 24-Hour Manning Sheet to ensure an accurate list of all on-shift operators.

- 14.1.1 **IDENTIFY** which operators are in the Control Room area.
- 14.1.2 **CONTACT** all operators who are outside the Control Room area and do the following:
 - **DETERMINE** their location.
 - **ENTER** their location on the 24-Hour Manning Sheet or log.

14.2 **WHEN** OSC Operations Coordinator position is staffed, **THEN PROVIDE** the following information for all operators to OSC Operations Coordinator for accountability and tracking.

- Name
- Current location

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15.0 **Operator Dispatch and Tracking**

NOTE

1. Units 2/3 Control Room and OSC have responsibility for directing and tracking all personnel in the field including personnel in the NIA and ISFSI.
2. Personnel are limited to 4000 mrem Total Effective Dose Equivalent (TEDE) until extended by RP.

15.2 **REVIEW** steps in this section with Control Room Staff to ensure understanding of in-plant operator protection requirements.

15.2.1 **ENSURE** Control Room personnel are aware of the need to track and protect in-plant operators during Team Briefs.

15.3 **IF** OSC is **NOT** activated, **THEN INFORM** in-plant operators to do one of the following:

- **OBTAIN** approval from Shift Manager (SM)/Assistant Shift Manager (ASM) to waive RP coverage when they are sent to the field with Personal Dosimetry from the Control Room E-kit.
- **OBTAIN** RP coverage when they are sent to the field.
- **OBTAIN** RP assurance that coverage is **NOT** required.


NOTE

For non-security events, two RP Technicians are dispatched by OSC RP Coordinator, one to meet with a Primary Plant Equipment Operator in the Control Room and a second to meet with the Radwaste Operator in the Radwaste Control Room.

15.4 **IF** OSC is activated, **THEN INFORM** in-plant operators being sent from the Control Room, they should call OSC Operations Coordinator for the following to:

- **OBTAIN** RP information and/or coverage
- **OBTAIN** information regarding any known hazards in the area they are being sent to
- **ENSURE** they are being tracked by OSC by providing their name, and assignment

15.4.1 **CONTACT** the Operations Coordinator to ensure operators dispatched from the Control Room to the field remain under direction of the Control Room and do **NOT** report to OSC.

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15.4.2 **DIRECT** at least one Auxiliary Operator, and any other Operations personnel **NOT** needed in the Control Room to report to the OSC Operations Coordinator for support of event mitigation efforts from the OSC under the direction of the Emergency Group Leader.

15.4.2.1 For security events, **DIRECT** Auxiliary Operators to report to the Control Room Lunch Room.

16.0 **Exposure Control**

NOTE

Site assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.

16.1 **IF** a SAE is declared, **OR** site assembly or evacuation is ordered, **THEN PROHIBIT** eating, drinking and smoking in the Control Rooms until clearance has been given by RP.


16.2 **IF** a release occurs **OR** radiation levels increase above normal, **THEN ISSUE** dosimetry (electronic or pocket ion chambers) from the Control Room Emergency Kit, to Control Room Personnel.

17.0 **Evacuation**

17.1 Evacuation Hazards

17.1.1 **IF** any of the following hazards are present, **THEN INITIATE** actions for a local area evacuation per SO23-13-1.

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire Protection System Actuation
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety
- Local report of fire or smoke
- Any other condition which may present a hazard to plant personnel

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- 17.1.2 IF any hazards listed in Step 17.1.1 affect major portions of the Protected Area(s), Owner Controlled Area, ISFSI or NIA, THEN CONTACT SM or SED, AND RECOMMEND a site assembly or evacuation.
- 17.1.3 IF any hazards listed Step 17.1.1 affect a major portion of the Mesa Area, THEN CONTACT EC AND RECOMMEND a Mesa Area assembly or evacuation.
- 17.2 Local Area Evacuation
 - 17.2.1 **PERFORM** a local area evacuation per SO23-13-1, Local Are Evacuation.
- 17.3 Control Room Evacuation
 - 17.3.1 **PERFORM** a local area evacuation per SO23-13-2, Shutdown From Outside The Control Room.
- 17.4 Site Assembly and Evacuation

NOTE

Site assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.

- 17.4.1 IF a site assembly is required, THEN ENSURE the following steps are performed:
 - 17.4.1.1 **PERFORM** PA/Siren coordination to assemble non-emergency response personnel.
 - 17.4.1.2 IF the TSC has **NOT** been activated, THEN PROVIDE Assembly Area Coordinators plant information appropriate to the event using Assembly Area Briefing script located in the Units 2/3 Operations Leader notebook.
 - 17.4.1.3 **PERFORM** PA/Siren coordination to periodically update all site personnel on plant status.
 - 17.4.1.3.1 IF a site evacuation is required, THEN PERFORM PA/Siren coordination to evacuate non-emergency response personnel.
- 17.5 Re-Entry Into Evacuated Areas
 - 17.5.1 WHEN requested by EC/SED, THEN PROVIDE plant data and operations assistance required to support re-entry into evacuated areas.

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18.0 Emergency Exposure Authorization

18.1 IF a need for a lifesaving or plant saving emergency exposure is identified, **AND** OSC or TSC are **NOT** activated, **THEN PERFORM** the following:

18.1.1 **INFORM** EC/SM/ASM of the need for an emergency exposure has been identified and volunteers are being located.

18.1.2 **OBTAIN** volunteers considering the following criteria:

- Declared pregnant women should **NOT** be selected
- All considerations being equal, the individual should be over age 45

18.1.3 **DISTRIBUTE** Form EP(123) 3 to volunteers.

18.1.4 **ENSURE** volunteers read and understand the sections on emergency exposure guidelines and effects of acute radiation exposures.

18.1.5 **COMPLETE** Sections 5, 6, and 7 on Form EP(123) 3.

18.2 IF a need for a lifesaving or plant saving emergency exposure is identified, **AND** OSC is activated, **THEN:**

18.2.1 **REQUEST** OSC to brief volunteers.

18.2.2 **OBTAIN** EC/SED authorization for emergency exposure.


18.2.3 **DISPATCH** resources.

19.0 Event Reclassification

19.1 **REVIEW** SO123-VIII-1.

19.2 WHEN plant conditions change which may affect event classification, **THEN MAKE** recommendations to TSC Emergency Advisor, Operations.

19.3 IF emergency is reclassified, **THEN INFORM** Control Room personnel and in-plant operators.

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20.0 Recovery Initiation

20.1.1 WHEN requested by EC/SED, THEN PROVIDE a list of damaged plant equipment which would prevent operations being resumed with normal station organization.

20.1.1.1 **CONTACT** OSC Operations Coordinator for input.

20.1.1.2 **RECOMMEND** Operations personnel and equipment necessary for a recovery organization.

21.0 Deviation From License Conditions

NOTE

1. Deviations from Units 2/3 license conditions or Technical Specifications to protect public health and safety requires a 10CFR50.54(x) declaration and approval per 10CFR50.54(y) by a SRO (preferably the SM/ASM).
2. Deviations from license conditions for the ISFSI per 10CFR72.32(d) requires approval by an SRO (preferably the SM).
3. Temporary suspension of security measures at Units 2/3 or ISFSI during imminent severe weather, or other hazardous conditions, when immediately needed to protect the personal health and safety of Security Officers, and no other immediately apparent action consistent with the SONGS license conditions and technical specifications can provide adequate or equivalent protection, is authorized by the SM/ASM with input from the Security Shift Commander or Security Manager. Suspended security measures shall be restored as soon as practical.

21.1.2 WHEN all of the following conditions have been met, THEN IMPLEMENT actions which will intentionally deviate from license conditions:

- Immediate intentional action is necessary to avert adverse consequences to public health and safety.
- **NO** adequate or equivalent protective action that is consistent with the license is apparent.
- The action is reasonable (an unreasonable action would be one which exposes personnel or equipment to greater peril than the adverse consequences which the action is intended to avert).
- The deviation from license is only to extent necessary to meet the emergency.
- There is **NOT** time for an amendment of the license to be approved by NRC.
- The deviation is approved by a Unit 2/3 SRO (preferably SM).



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22.0 Turnover

22.1.1 WHEN oncoming Units 2/3 Operations Leader arrives at the Control Room, THEN:

22.1.1.1 **CONDUCT** turnover with oncoming Units 2/3 Operations Leader in accordance with Form EP(123) 5.

22.1.1.2 **RECORD** completion of turnover in Operations Leader Log.

22.1.1.3 **REPORT** completion of turnover to other ERFs via Ivory Phone.

23.0 Event Closeout

23.1 WHEN plant conditions change which may allow or affect event closeout, THEN INFORM TSC Operations Emergency Advisor.



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Summary of Changes

Attachment 3

Author: David A. Clark

PAX: 89967

Location: D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
Editorial Correction	Corrected order of attachments in table of contents	L. McCann	DNA	Page 1
	Added (SM) after Shift Manager and Added /Assistant Shift Manager (ASM) in third bullet			Step 1.2.2
	Spelled out the acronym for ENF.			Attach 1 Step 2.8.1
	Corrected title for CAL OES.			Attach 1 Step 2.8.6
	Corrected attachment numbers			Attach 1&2
	Corrected page numbers on Attachment 1			Attach 1
	Deleted blank step number 2.5.			Page 13
	Added EVALUATE AND to step.			Attach 2 Step 7.3.1
	Added and drinking to step			Attach 2 Step 12.11
	Added /ASM after SM in notes 1 and 3 prior to step 21.1.2.			Attach 2 Step 21.1.2

Document Reviewers:	Name:
Cognizant Supervisor	Larry McCann

	Procedure Usage Requirements	Sections
Information Use	<ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	Attachment 10
Reference Use	<ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except Attachment 10

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QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES / RX DNA

Procedure Type	Procedure Owner
EPIP	Deborah Lindbeck



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1.0 **RESPONSIBILITIES**

1.1 **VERIFY** level of use requirements on the first page of this procedure.

1.2 The responsibilities of the Emergency Operations Facility (EOF) ERO personnel are as follows:

1.2.1 Corporate Emergency Director (CED)

- Assumes Emergency Coordinator (EC) function from either the Station Emergency Director, or directly from the Emergency Coordinator in the Control Room following activation of the EOF.
- Makes decision to notify offsite agencies (non-delegable)
- Makes Protective Action Recommendations (PARs) to offsite agencies (non-delegable)
- Initiates Site Evacuation (non-delegable)

1.2.2 EOF Emergency Advisor, Notifications (EAN)

- Responsible for advising the CED and preparing offsite notifications.
- Responsible for maintaining communications with applicable local offsite agencies and the state.

1.2.3 EOF Manager

- Responsible for monitoring offsite activities and providing interface with offsite agencies, advising the CED and developing PARs. The EOF Manager, if CED qualified, may fill in as the CED (prior to CED arrival or if the CED falls ill, etc.).
- Communicates Technical information to the JIC Director and coordinates approval of press releases between the CED and JIC staff.
- Briefs offsite representatives on radiological release and plant status.
- Acts as liaison between EOF personnel and interjurisdictional offsite authorities.

1.2.4 EOF Emergency Planning Coordinator

- Advises the Emergency Advisors and/or the CED in all Emergency Plan requirements.
- Ensures support to various general positions which provide warehouse, auto services and telecommunication support to EOF personnel. Includes communicating with INPO and supporting the OSC Maintenance Coordinator in the procurement of emergency parts and supplies.

REFERENCE USE



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1.2.5 EOF Technical Leader

- Provides engineering technical updates from the Technical Support Center (TSC) to the CED. Responsible for following the status of the plant, using information from Ivory Phone, the TSC and Critical Function Monitoring System (CFMS).
- Monitors the Ivory Phone.
- Updates the plant status board to keep EOF staff informed of plant conditions.
- Uses the Brown Phone to communicate with the TSC.

1.2.6 EOF Administrative Leader

- Coordinates provisions for food, transportation and other logistical support for emergency personnel. Acts as a liaison with offsite groups in providing additional resources. Keeps the assembly area personnel informed of emergency status.
- Provides administrative and logistical support to support personnel including telephone and facsimile operations, and other coordination activities.
- Updates the offsite status board and acts as a runner when needed.

1.2.7 EOF Security Director

- Provides information on security activities to the Corporate Emergency Director, and acts as liaison to the FBI/Law Enforcement agencies in the Joint Operations Center (JOC), if manned.
- Coordinates security activities in the EOF including access control and accountability.

1.2.8 EOF Radiation Protection Leader

- Directs onsite and offsite monitoring during plume phase and recovery phase.
- Advises the Corporate Emergency Director on radiological aspects of activities, including protective actions.
- Supports EOF with respect to dosimetry.
- Briefs and controls the onsite and offsite monitoring during plume phase and recovery phase.
- Assists with keeping ODAC informed of position and results found by the onsite and offsite field monitoring teams.
- Performs radiological surveys in EOF to ensure EOF habitability.

REFERENCE USE



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1.2.9 EOF Offsite Field Monitoring Teams (Monitors) (Drivers)

- Monitors and performs air samples usually within the Emergency Planning Zone (EPZ) from the owner controlled fence out to the EPZ boundary.
- Performs environmental sampling during recovery phase.

2.0 ACRONYMS

2.1	<u>ARM:</u>	Area Radiation Monitor
2.2	<u>AWS:</u>	Administration Warehouse & Supply/Shop
2.3	<u>Cal OES:</u>	California Office of Emergency Services
2.4	<u>CAPR:</u>	Corrective Action to Prevent Reoccurrence
2.5	<u>CED:</u>	Corporate Emergency Director
2.6	<u>CEDE:</u>	Combined External Dose Equivalent
2.7	<u>CDE:</u>	Combined Dose Equivalent
2.8	<u>CFMS</u>	Critical Function Monitoring System
2.9	<u>CHP</u>	California Highway Patrol
2.10	<u>CR:</u>	Control Room
2.11	<u>DAC:</u>	Derived Airborne Concentration
2.12	<u>DACS</u>	Dose Assessment Computer System
2.13	<u>EAL:</u>	Emergency Action Level
2.14	<u>EAN:</u>	Emergency Advisor, Notifications
2.15	<u>EAO</u>	Emergency Advisor, Operations
2.16	<u>EC:</u>	Emergency Coordinator
2.17	<u>EDT:</u>	Event Declaration Time

REFERENCE USE



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2.18	<u>EGL</u>	Emergency Group Leader
2.19	<u>ENF</u> :	Event Notification Form
2.20	<u>EOC</u> :	Emergency Operations Center
2.21	<u>EOF</u> :	Emergency Operations Facility
2.22	<u>EP</u> :	Emergency Plan
2.23	<u>EPC</u> :	Emergency Planning Coordinator
2.24	<u>EPIP</u> :	Emergency Plan Implementing Procedure
2.25	<u>EPZ</u>	Emergency Planning Zone
2.26	<u>ERDS</u> :	Emergency Response Data System
2.27	<u>ERF</u> :	Emergency Response Facility
2.28	<u>ERO</u> :	Emergency Response Organization
2.29	<u>ERTD</u> :	Emergency Response Telephone Directory
2.30	<u>GCC</u> :	Grid Control Center
2.31	<u>IOC</u> :	Irvine Operations Center
2.32	<u>ISFSI</u> :	Independent Spent Fuel Storage Installation
2.33	<u>JIC</u>	Joint Information Center
2.34	<u>JOC</u>	Joint Operations Center
2.35	<u>KI</u> :	Potassium Iodide
2.36	<u>NRC</u> :	Nuclear Regulatory Commission
2.37	<u>OCA</u> :	Owner Controlled Area
2.38	<u>ODAC</u> :	Offsite Dose Assessment Center

REFERENCE USE




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2.39	<u>OSL</u>	Optically Stimulated Luminescent Dosimeter
2.40	<u>OSSC</u> :	Onsite Security Commander
2.41	<u>PA</u> :	Protected Area
2.42	<u>PAPA</u> :	Protected Area Personnel Accountability
2.43	<u>PAR</u> :	Protective Action Recommendation
2.44	<u>PASS</u> :	Post Accident Sampling System
2.45	<u>PAZ</u> :	Protective Action Zone
2.46	<u>REPCET</u> :	Representative Core Exit Temperature
2.47	<u>RP</u> :	Radiation Protection
2.48	<u>SAMG</u> :	Severe Accident Management Guideline
2.49	<u>SC</u> :	Shift Communicator
2.50	<u>SCBA</u> :	Self-Contained Breathing Apparatus
2.51	<u>SCE</u> :	Southern California Edison
2.52	<u>SCP</u> :	Safeguards Contingency Plan
2.53	<u>SED</u> :	Station Emergency Director
2.54	<u>SL</u> :	Security Leader
2.55	<u>SM</u> :	Shift Manager
2.56	<u>SONGS</u> :	San Onofre Nuclear Generating Station
2.57	<u>SRO</u> :	Senior Reactor Operator
2.58	<u>SSAB</u>	SONGS Site Access Badge
2.59	<u>SSPF</u> :	South Security Processing Facility

REFERENCE USE

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- 2.60 TEDE: Total Effective Dose Equivalent
- 2.61 TSC: Technical Support Center
- 2.62 VNF: Verbal Notification Form
- 2.63 YPS: Yellow Phone System

3.0 **PROCEDURE**

- 3.1 **OBTAIN** a copy of the applicable ERO Position Checklist. This checklist may be found in the first tab of each ERO Position Book.

3.2 **ACTIVATION AND OPERATION OF THE EOF**

- 3.2.1 Upon declaration of an ALERT or higher classification, EOF personnel shall report to the EOF. ERO positions shall obtain their Position Checklist and follow the instructions contained within.
- 3.2.2 The Corporate Emergency Director (CED) should declare the EOF activated when the following minimum staff positions have been filled:
- Corporate Emergency Director
 - EOF Emergency Advisor, Notifications
 - EOF Manager
 - EOF Emergency Planning Coordinator
 - EOF Technical Leader
 - EOF Security Director
 - EOF Administrative Leader
 - EOF Radiation Protection Leader
 - EOF Offsite Field Monitoring Teams (Monitors) (Drivers)

4.0 **RETENTION OF RECORDS**

- 4.1 **COLLECT** all paperwork generated in response to the emergency event (e.g., logs procedures, attachments, forms and checklists) **AND DELIVER** to either the TSC Manager, EOF Emergency Planning Coordinator or OSC Emergency Planning Coordinator.

REFERENCE USE

POSITION CHECKLIST

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NOTE

1. Sections 2.0 through 11.0 provide supplemental instructions for performing the CED duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **REFER** to the following contained in position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) CED-1, CED-EOF Briefing Guidelines
- EP(123) EC-1, Emergency Coordinator Turnover Status
- EP(123) EOF-17, Guidance for Assembly/Evacuation of Non-Essential Personnel
- EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist
- EP(123) ERO-5, Credible Threat Plan Development
- Controlled set of EPIPs
- Emergency Response Telephone Directory (ERTD)


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- 1.2 **MAINTAIN** a log of activities.
- 1.3 **MAINTAIN** an open phone circuit with the SED to ensure awareness of changing plant conditions.
- 1.4 **DECLARE** the EOF/AEOF activated when minimum staffing requirements are met and EOF personnel are able to perform their emergency response duties.
 - 1.4.1 **ANNOUNCE** the activation of the EOF to EOF personnel **AND PERFORM** an Initial EOF Briefing using the Desktop job aide.
- 1.5 **REVIEW** copies of completed EP(123) 10, Event Notification Form, and/or EP(123) 11, Verbal Notification Form.
- 1.6 **INFORM** the SED the EOF/Alt EOF is activated and is ready for EC turnover.
- 1.7 Emergency Coordinator (EC) Turnover
 - 1.7.1 **DIRECT** EOF Leaders to come to the CED table for EC turnover:
 - EOF Manager
 - EOF Technical Leader
 - EOF Radiation Protection Leader
 - EOF Emergency Planning Coordinator
 - EOF Security Director
 - EOF Administrative Leader
- 1.8 **DIRECT** the SED to begin EC Turnover using EP(123) EC-1, Emergency Coordinator Turnover Status.

NOTE

SO123-VIII-10, Emergency Coordinator Duties may be referenced for detailed EC duties.

- 1.9 **WHEN** EC Turnover is complete, **THEN**:
 - 1.9.1 **PERFORM** a Team Update to inform the EOF the EC title is turned over to the CED using CED/EOF Briefing Guidance (Section 2.0, only).


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NOTE

Emergency announcements must be made by the Control Room (due to need to activate the Emergency Alarms). This is accomplished by either calling the SM and providing instructions or faxing copy of the announcement to the Control Room and providing direction to make the announcement.

- 1.10 **IF** NRC Site Team is present in the EOF, **THEN NOTIFY** the NRC Site Team immediately after completion of notification to local and state authorities.
- 1.11 Assume the following non-delegable duties:
 - Decision to notify offsite agencies
 - Making protective action recommendations to offsite agencies
 - Site Evacuation
- 1.12 **CONDUCT** periodic EOF briefings (approximately every 30-60 minutes) or following significant changes in plant status.
- 1.13 **DETERMINE AND SUPPORT** plant priorities.
- 1.14 **ENSURE** that adequate technical and logistic support is available to the station emergency organization.
- 1.15 **ENSURE** Offsite Notifications are completed per SO123-VIII-30.7, Emergency Notifications.
- 1.16 **ENSURE** PARs are completed per SO123-VIII-10.3, Protective Action Recommendations.
- 1.17 **PERFORM** evacuation of non-essential site personnel per EP(123) EOF-17, Guidance for Assembly/Evacuation of Non-Essential Personnel at SAE or higher.
- 1.18 **ENSURE** status boards are maintained.
- 1.19 **ENSURE** Offsite Organizations in EOF are briefed.
- 1.20 **CONDUCT** shift turnover as warranted.
- 1.21 **ENSURE** event closeout and recovery per SO123-VIII-10.5, Event Closeout and Recovery.
 - 1.21.1 **COMPLETE** all checklist items.
 - 1.21.2 **ENSURE** post-event critiques are conducted in each Emergency Response Facility.
 - 1.21.3 **RETURN** the workstation to its original condition.

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Corporate Emergency Director Checklist

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- 1.21.4 **RETURN** all document binders to their storage location.
- 1.21.5 **RETURN** any emergency response equipment to its original location.
- 1.21.6 **PROVIDE** all paperwork to the Emergency Preparedness Coordinator.

SUPPLEMENTAL POSITION INSTRUCTION

NOTE

- 1. Sections 2.0 through 11.0 provide supplemental instructions for performing the CED duties and may be referenced for clarification of duties.
- 1. Steps may be performed in any order or concurrently.
- 2. The following steps are an enhancement to the position checklist. Placekeeping is not required.


2.0 EOF/AEOF Activation

2.1 Notifications to California Office of Emergency Services (CAL OES) and Yellow Phone System (YPS) Stations

- 2.1.1 **REVIEW, APPROVE, AND SIGN** required EP(123) 11 Forms (Verbal Notification Forms) prior to being communicated to CAL OES or YPS Stations.
- 2.1.2 **REVIEW, APPROVE, AND SIGN** all EP(123) 10 Forms (Event Notification Forms) prior to being faxed to CAL OES or YPS Stations.

2.2 Protective Action Recommendations (PARs)

- 2.2.1 **DETERMINE** PARs in accordance with SO123-VIII-10.3.
- 2.2.2 **WHEN** conditions require PAR upgrades, **THEN UPGRADE** PARs.
 - 2.2.2.1 **MONITOR** Changing wind direction from one Protective Action Zone (PAZ) to another in accordance with SO123-VIII-10.3.
 - 2.2.2.2 **MONITOR** Changing radiological conditions when wind direction impacts PAZ 5 in accordance with SO123-VIII-10.3.

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NOTE

- 1) The Emergency Response Position (Shift Manager or Station Emergency Director) who is the EC is responsible for ensuring Non-Essential Personnel are assembled.
- 2) The Emergency Response Position (Shift Manager or Station Emergency Director) who is the EC is responsible for ensuring Non-Essential Personnel are evacuated.
- 3) The SED may use EP(123) EOF-17, (Guidance for Assembly/Evacuation of Non-Essential Personnel) to assist in the assembly/evacuation process.

2.3 Evacuation of Non-Essential Personnel

- 2.3.1 **PERFORM** EP(123) EOF-17, Guidance for Assembly/Evacuation of Non-Essential Personnel.
- 2.3.2 **ASSESS** the status and potential for evacuation of Camp Mesa.
- 2.3.3 **EVALUATE** the need for evacuation of non-emergency response personnel per SO123-VIII-10.3:

3.0 EVENT NOTIFICATIONS


- 3.1 **ENSURE** the Technical Leader to notify American Nuclear Insurers (ANI) of the declaration of an emergency at San Onofre (refer to Emergency Response Telephone Directory [ERTD] for Phone Number).
- 3.2 **REVIEW AND APPROVE** news releases prior to their release. (For Security-related events, direct the Security Director to review news releases prior to their approval).

4.0 CREDIBLE THREAT

- 4.1 **REVIEW** EP(123) ERO-5, Credible Threat Plan Development, with the Security Director and the SED to develop an appropriate level of response to a credible threat.

5.0 SECURITY EVENT ACTIVITIES

- 5.1 **IF** the emergency is a Security Event, **THEN CONFER** with the Security Director to determine the appropriate time to address EP(123) EC-2, EC Post-Security Event Checklist.
- 5.2 **REFER** to SO123-VIII-10.6 for guidance on declared Security-related events.

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6.0 **ACTIVATION OF ALTERNATE EOF AT IRVINE OPERATIONS CENTER**

6.1 IF conditions exist that prevent access to the EOF as a result of severe weather or other reason, THEN CONSULT with Emergency Advisors to direct activation of the Alternate EOF (AEOF) at the Irvine Operations Center (IOC).

6.2 IF the EOF is already manned, AND IF conditions exist which require evacuation, THEN DIRECT the EOF staff to relocate to the AEOF at the IOC.

6.3 IF any of the hazards listed below affect the EOF, THEN CONSULT with EOF Staff to determine the necessity for relocation of the staff to the AEOF.

- High EOF or portable radiation monitor readings
- Fire in or near the EOF
- Security hazards which threaten personnel

6.4 **TURN OVER** EC functions to the SED in the TSC until the AEOF is staffed.

6.5 **COLLECT AND TRANSPORT** materials and equipment necessary to perform emergency response functions at the alternate facility.

6.6 WHEN time allows, THEN CONDUCT an assessment of emergency response facility status, command and control functions, and key ERO functions using EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist.


7.0 **RE-ENTRY INTO EVACUATED AREAS**

7.1 IF the hazard causing an evacuation of the EOF has been eliminated or controlled to a point that will allow use of the EOF, THEN DIRECT the EPC to coordinate re-entry efforts.

8.0 **EVENT RECLASSIFICATION/PAR/PAR UPGRADE/RADIOLOGICAL RELEASE**

8.1 **DETERMINE** PARs using SO123-VIII-10.3.

1. Classification and declaration of an emergency event.

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Corporate Emergency Director Checklist

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9.0 **EMERGENCY RESPONSE COORDINATION**

9.1 **BRIEF** the following EOF Leads at periodic intervals so that they are aware of current emergency conditions in accordance with form EP(123) CED-1, CED-EOF Briefing Guidelines:

- EOF Manager
- Radiation Protection Leader
- Technical Leader
- Emergency Advisor Notification
- Administrative Leader
- Security Director
- ODAC (if not already provided information)
- NRC (if present)

9.2 Emergency Response Facility (ERF) Staff Minimization

9.2.1 IF the plant is stable and there is **NO** threat of escalation, THEN the CED may reduce the staffing in the ERFs to appropriate levels.

10.0 **TURNOVER**

10.1 Turnover shall **NOT** prevent timely completion of the primary EC responsibilities of classification, notification and PAR.


10.2 **CONDUCT** an assessment of notifications in progress prior to turnover of the EC duties.

10.3 EP(123) EC-1, Emergency Coordinator Turnover Status, with the relief CED.

10.3.1 IF alternate emergency response facilities have been activated, THEN COMPLETE EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist, **AND** **DISCUSS** with the relief CED.

10.3.2 WHEN the off-going CED is relieved of all duties, THEN the relief CED shall announce to EOF personnel over the public address system the following:

- Name
- Assumption of the CED position
- Emergency Class
- PAR

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Corporate Emergency Director Checklist

Attachment 1

10.3.3 **HAVE** the turnover announced to all Emergency Response Facilities via the Ivory Phone.

11.0 **EVENT CLOSEOUT**

11.1 **WHEN** conditions have improved and meet the criteria for event closeout, **THEN PERFORM** actions IAW SO123-VIII-10.5.

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EOF Manager Checklist

Attachment 2

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **REFER** to the following contained in position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book.

1.2 **ASSUME** the position of EOF Manager.

1.2.1 **SIGN** in on the EOF Minimum Staffing Board.

1.2.2 **VERIFY** communications devices function.

1.3 **ESTABLISH AND MAINTAIN** a log using form EP (123) 6.

1.4 **LOG** onto the computer to receive press releases from the JIC.

- Network User ID - (b)(7)(E)
- Network Password - (b)(7)(E)
- Lotus Notes Email ID - (b)(7)(E)
- Lotus Notes Password - (b)(7)(E)


1.5 **IF** the CED is **NOT** present, **THEN IMPLEMENT** the CED appropriate portions of this procedure **UNTIL** the CED arrives - **ONLY IF CED QUALIFIED**.

1.6 **ESTABLISH AND MAINTAIN** contact with the intrajurisdictional offsite authorities.

1.7 **ASSIST** Corporate Emergency Director (CED) in setting offsite priorities.

1.7.1 **CONSIDER** including minimum staffing and facility activation as initial priorities.

1.7.2 **CONSIDER** including initial and follow-up notifications as on-going priorities.

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EOF Manager Checklist

Attachment 2

1.8 **ASSIST** in the activation of the facility.

1.8.1 **VERIFY** minimum staffing prior to declaring the EOF activated.

- CED
- EOF Manager
- EOF Emergency Advisor, Notifications
- EOF Emergency Planning Coordinator
- EOF Technical Leader
- EOF Security Leader
- EOF Administrative Leader
- EOF Radiation Protection Leader
- EOF Offsite Field Monitoring Teams (Monitors) (Drivers)

1.9 **REPORT** to the CED when the EOF is ready to assume responsibilities.

1.10 **ESTABLISH** contact with the JIC Director by calling 7-51502 **AND PROVIDE** initial conditions including radiological conditions and PAR.

2.0 **CONTINUING ACTIONS**

2.1 **DISMISS** EOF personnel not filling positions and instruct them to assemble in a designated area of the building.

2.2 **ENSURE** the EOF functions are executed in a timely and efficient manner.

2.2.1 **COORDINATE** and direct all personnel assigned to the EOF.


2.2.2 **PROVIDE** guidance to key members of the EOF staff.

2.2.3 **INFORM** the CED of significant activities of the EOF.

2.3 **ENSURE** offsite communications are being made.

2.3.1 **CONFIRM** EAN has made contact with offsite Federal, State, and local officials to inform them of the current situation at SONGS.

2.3.2 **IF** delegated by the CED is his absence from the area, **THEN SIGN AND TRANSMIT** follow-up notifications following a review.

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EOF Manager Checklist

Attachment 2

2.4 Press Releases

2.4.1 **REVIEW** press releases.

2.4.1.1 IF the CED has any changes to the press release, **THEN COMMUNICATE** these changes by phone to the JIC Director at 7-51502.

2.4.1.2 IF there are **NO** changes required to the email, **THEN COMMUNICATE** this to the JIC Director via phone at 7-51502.

2.4.1.3 **PROVIDE** a copy of the approved Press release to the EOF Administrative Leader for distribution throughout the EOF.

2.5 **ACT** as a liaison for CED for any topics concerning press releases.

2.6 **ACT** as a liaison to gather and provide information for the JIC.

2.6.1 **PROVIDE** updates on changes to radiological conditions, PARs, or significant changes in plant or personnel conditions.

2.7 **RECORD** any JIC requested information **AND ASK** the EOF Technical Leader (for Operational questions) or the EOF RP Leader (for Radiological questions) to provide appropriate information.

2.8 **ASSIST AND ADVISE** the CED in formulation of the PAR.

2.8.1 **DETERMINE** the status of implementation of any previously issued offsite protective actions.


2.8.2 **MAINTAIN** liaison with the Radiation Protection Leader, Tech Team Leader and Security Director for PAR development.

2.8.3 **DISCUSS** PARs with ODAC, including explanations of plant conditions.

2.9 **ASSIST** the EA Notifications in the preparation of Event Notification forms.


2.10 **ADVISE** the EOF Administrative Leader and the EP Coordinator to perform the following:

- **COORDINATE** site arrival of NRC
- Have Security **ESCORT** NRC to Joint Operations Center (JOC).
- **COLLECT** pertinent information (provide list, includes most recent written; Verbal Notifications, EOF layout, etc.).
- **MEET** NRC in JOC **AND BRIEF** them on the status of the emergency.
- **ESCORT** NRC to EOF, **INTRODUCE** them to EOF counterparts **AND PROVIDE** seat assignments.

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EOF Manager Checklist	Attachment 2
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- 2.11 **ENSURE** the EOF and Plant Priorities Board reflects pertinent offsite related activities.
- 2.12 **DEVELOP** a recovery plan for the emergency in accordance with SO123-VIII-10.6.
- 2.13 **PROVIDE** oversight and direction for Evacuation of onsite personnel.
 - 2.13.1 After consulting with the Radiation Protection Leader, **DESIGNATE** the evacuation route to the EOF Administrative Leader based on wind direction.
- 2.14 **CONDUCT** shift turnover with oncoming EOF Manager.
- 2.15 Upon event termination, **ENSURE** all EOF Manager materials have been returned to a state of readiness.
 - 2.15.1 **COMPLETE** all checklist items.
 - 2.15.2 **FACILITATE** facility post-event critique.
 - 2.15.3 **RETURN** the workstation to its original condition.
 - 2.15.4 **RETURN** all document binders to their storage location.
 - 2.15.5 **RETURN** any emergency response equipment to its original location.
 - 2.15.6 **PROVIDE** all paperwork to the Emergency Planning Coordinator.

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EOF Technical Leader Checklist

Attachment 3

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS.

1.1 **REFER** to the following contained in position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book

1.2 **ESTABLISH AND MAINTAIN** a log using form EP(123) 6.

1.3 **WHEN** ready to perform your ERO function, **THEN SIGN-IN** on the EOF minimum staffing board.

1.4 **ESTABLISH** communications with the Technical Support Center (TSC) on the Brown Phone.

1.5 **ESTABLISH** Ivory Phone communications with the Control Room, TSC, and Operations Support Center (OSC).

1.6 **MONITOR** Control Room decision-making.

1.7 **UPDATE** the following persons on plant conditions:

- CED
- Emergency Advisor, Notifications
- EOF Manager

1.8 **POST** information on Plant Status Board.

1.9 **PROVIDE**, at a minimum, the following information over the Ivory Phone:

- Activation of the EOF
- Assumption of the CED duties
- Changes in PARs
- Major Decisions made by the CED

1.10 **PARTICIPATE** in facility staff briefings.



Emergency Response Organization (ERO) Emergency
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EOF Technical Leader Checklist

Attachment 3

1.10.1 **DISCUSS** initial and follow-up notifications.

1.10.2 **DISCUSS COMMUNICATIONS** with offsite agencies and activities.

2.0 **CONTINUING ACTIONS**

2.1 **NOTIFY** the CED and EOF RP Leader of changing plant conditions as notified by the TSC Technical Team and/or CFMS values:

- Fuel Integrity
- Leak Rate
- Fission Product Barrier Status
- Systems In Service/Out of Service
- Current Mitigation Strategies



2.2 **PRINT** CFMS plant parameter information approximately every 30 minutes, when requested by the EOF Manager or when significant changes occur.

2.3 **IF** requested by the TSC Technical Leader, **THEN** **COORDINATE** call-in of additional engineering personnel.

2.3.1 **ACT** as technical interface with ODAC.

2.4 **SUPPORT** PAR recommendations.

2.5 **ASSIST** in the development of new or revised operational procedures and strategies for mitigating the emergency.

2.6 **OBTAIN AND PROVIDE** technical information to the EOF Manager.

2.7 **EVACUATION**

2.7.1 **IF** the EOF is evacuated, **THEN** **ENSURE** you have the necessary materials before proceeding to the alternate EOF.

2.8 **TURNOVER**

2.8.1 **WHEN** a relief EOF Technical Leader arrives at the EOF, **THEN**:

2.8.1.1 **CONDUCT** turnover with the oncoming EOF Technical Leader in accordance with Form EP(123) 5.

2.8.1.2 **REPORT** completion of turnover to the CED.



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EOF Technical Leader Checklist

Attachment 3

2.9 RECOVERY


2.9.1 WHEN requested by the CED, THEN **RECOMMEND** additional personnel and equipment necessary for a recovery organization.

2.9.2 IF additional assistance is required, (beyond that available from SONGS and local agencies, Westinghouse, Bechtel, etc.), THEN **OBTAIN** aid from other utilities or from INPO.

2.9.3 **EVALUATE** staffing needs.

2.10 Event Termination/Recovery

2.10.1 WHEN conditions have improved and meet the criteria for event closeout, THEN **PERFORM** actions IAW SO123-VIII-10.5.

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EOF Security Director Checklist		Attachment 4

POSITION CHECKLIST

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NOTE

1. Sections 3.0 through 9.0 provide supplemental instructions for performing the Security Director duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **REFER** to the following contained in position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) 295, EOF Personnel Accountability
- EP(123) ERO-5, Credible Threat Plan Development
- EP(123) EOF-18, Emergency Information for Oncoming Personnel

1.2 **WHEN** ready to perform your ERO function, **THEN SIGN-IN** on the EOF minimum staffing board.

1.3 **ESTABLISH AND MAINTAIN** a log using form EP(123) 6.


1.4 **CLOSE** EOF steel doors **AND ESTABLISH** Site Electronic Access System (SEAS) access.

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EOF Security Director Checklist

Attachment 4

- 1.5 **PROVIDE** additional security for EOF to limit EOF access to Emergency Response Organization (ERO) members.
- 2.0 **CONTINUING ACTIONS**
- 2.1 IF the emergency is due to a Security Event, THEN PERFORM the following:
 - 2.1.1 **REVIEW**, EP(123) ERO-5, Credible Threat Plan Development.
 - 2.1.2 **SUPPORT** discussions with the CED and the SED to develop an appropriate level of response to a credible threat.
 - 2.1.3 Continually **ASSESS** evacuation routes **AND NOTIFY** the CED IF any evacuation impediments exist.
 - 2.1.4 IF status of the event is established, THEN CONTACT the Security Leader and Incident Command Post **AND ACQUIRE** information regarding the following:
 - Event description (include personnel status and plant status)
 - Status of Law Enforcement Agencies notifications
 - Known response to requests for assistance
- 2.2 **INITIATE** Form EP(123) 295, EOF Personnel Accountability, as follows:
 - Whenever EOF entry/exit card reader is inoperable;
 - For personnel requiring EOF entry who do **NOT** have an SONGS Site Access Badge (SSAB);
 - For personnel who have another type of generic badge (e.g., Orange County);
 - For personnel requiring EOF entry who are assigned to OSC/TSC who do **NOT** have EOF SEAS access.
- 2.3 IF notified by the EOF EPC that there are personnel at the ERO Staging Areas, THEN COORDINATE the movement of ERO personnel to the EOF with local law enforcement agencies.
- 2.4 **ASSIST** with the review of security event related news releases prepared by the ERO to ensure the following:
 - 2.4.1 IF present in the Joint Operations Center (JOC), THEN GIVE Law enforcement an opportunity to review the news release prior to its approval.
 - 2.4.2 IF there are revisions needed prior to its issuance, THEN PROVIDE the suggested changes to the CED.
 - 2.4.3 **PROVIDE** a copy of the approved news release to the JOC.

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EOF Security Director Checklist


Attachment 4

2.5 Joint Operations Center (JOC) Liaison and Support

- 2.5.1 **IF** the JOC is to be staffed, **THEN ENSURE** that the CED/SED and the EOF EPC are aware that the JOC will be staffed.
- 2.5.2 **ENSURE** the JOC is open and ready for use by responding agencies and personnel.
- 2.5.3 **COMPLETE** EP(123) EOF-18, Emergency Information for Oncoming Personnel, **AND** **UTILIZE** it to brief JOC responders.
- 2.5.4 **INFORM** the CED/SED on the status of JOC staffing.
- 2.5.5 **PROVIDE** information to the JOC regarding site security actions associated with the event.
- 2.5.6 **PROVIDE** information to the JOC regarding plant conditions throughout the emergency by utilizing the Technical Leader.
- 2.5.7 **INTERFACE** with law enforcement personnel responding to the JOC **AND PROVIDE** periodic feedback to the CED/SED regarding actions taken by the JOC staff.
- 2.5.8 **PROVIDE** periodic information to the CED regarding the status of the security response throughout the emergency.
- 2.5.9 **PROVIDE** road conditions to the EOF Manager to support PARs.
- 2.5.10 In the event that the EOF HVAC System is operated in the Isolation mode, **INFORM** the JOC, staffing may be limited due to the constraints of the system.


2.6 Emergency Response Coordination

- 2.6.1 **ENSURE** that the CED is aware when ERO personnel may safely respond to the Station for mitigation and/or recovery actions.
- 2.6.2 **COORDINATE** ERO staff movement with the Law Enforcement Agencies to support response activities which may include:
 - 2.6.2.1 The movement of ERO personnel from the North and/or South Staging areas to the site.
 - 2.6.2.2 The movement of personnel to support ERO shift change and/or additional ERO staff.
 - 2.6.2.3 **IF** the OSC and TSC have relocated to the EOF/E50, **THEN COORDINATE** site access for ERO staff and OSC teams with the Security Leader and Law Enforcement Agencies.

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- 2.7 **ASSIST** with evacuation of Camp Mesa and Assembly Areas by:
- 2.7.1 Supporting the Administrative Leader
 - 2.7.2 Contacting the TSC Security Leader to coordinate support with:
 - Assembly/evacuation of Camp Mesa personnel
 - Assembly/evacuation of non-essential personnel
- 2.8 **IF** any hazards listed below affect a major portion of Mesa Area, **THEN CONTACT EOF EPC AND RECOMMEND** a Mesa Area assembly or evacuation.
- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
 - Spills of radioactive material which may result in excessive personnel exposure
 - Fire in any occupied area
 - Toxic/flammable gases or heavy smoke reported
 - Chemical hazards to personnel
 - High pressure steam or water leaks
 - Security hazards which threaten personnel or equipment safety
- 2.9 Upon direction of EOF EPC or CED to evacuate/relocate Primary EOF to Alternate EOF at Irvine Operations Center (IOC), or if initially rendered uninhabitable, **THEN**:
- 2.9.1 **NOTIFY** Security Leader and OSC Security Coordinator;
 - 2.9.2 **CONDUCT** a sweep of EOF to ensure all personnel have evacuated;
 - 2.9.3 **ENSURE NO** Safeguards Information (SGI) material is left unattended;
 - 2.9.4 **WHEN** EOF evacuation is complete/Building E50 has been secured, **THEN NOTIFY** OSC Security Coordinator and Security Leader.
 - 2.9.5 Upon arrival at Alternate EOF in Irvine, **NOTIFY** OSC Security Coordinator and Security Leader of your PAX number.
- 2.10 **PERFORM** necessary security support functions to facilitate re-entry.
- 2.11 **IF** possibility of a bomb or other explosive device exists, **THEN ADVISE** EOF EPC or CED to announce restrictions of radio transmissions for a 300-foot radius from device location.

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- 2.12 **CONDUCT** turnover with oncoming Security Director per Form EP(123) 5.
- 2.13 **RECORD** completion of turnover in Security Director Log, **AND REPORT** completion of turnover to Security Director and EOF EPC.
- 2.14 Event Closeout
 - 2.14.1 **OPEN** EOF steel doors **AND RETURN** temporary security badges to storage.



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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 3.0 through 9.0 provide supplemental instructions for performing the Security Director duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

3.0 **INITIAL ACTIONS**

3.1 **CLOSE AND SECURE** large EOF steel doors.

3.2 **ESTABLISH** security controlled entry/exit to EOF by restricting EOF access to use of a single entry-exit door.

3.2.1 **ENSURE** personnel responding to EOF scan their SONGS Site Access Badge (SSAB) through Site Electronic Access System (SEAS) card reader.

3.2.2 **IF** E50 must be used as an alternate OSC or TSC, **THEN DIRECT** responding OSC/TSC members to the E50 lunch room door for access to the alternate OSC and TSC.

3.2.3 During activation of EOF, **REQUEST** EOF EPC to assign another person to assist with access and badging duties.

3.2.4 **ENSURE** classrooms 1-4 are open.


3.2.5 **WHEN** EOF security doors have been secured and EOF access control has been established, **THEN REQUEST** EOF EPC to make the following EOF PA announcement:

"All non-emergency response personnel, exit the EOF and report to Classrooms 1 through 4."

"EOF personnel who have **NOT** logged into SEAS, report to the security office to card into SEAS at this time."

3.3 **OBTAIN** EOF EPC authorization for access for those persons who do **NOT** possess photo identification.

3.3.1 Personnel or visitors who do **NOT** have an SSAB and/or do **NOT** have EOF access, **SIGN-IN** on Form EP(123) 295, EOF Personnel Accountability, **AND PROVIDE** photo identification.

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3.4 IF personnel declare they have consumed alcohol within 5 hours of reporting to EOF, THEN, **DIRECT** them to E50 Local Assembly Area (classrooms 1 through 4) to await further instructions.

3.4.1 **INFORM** EOF EPC or CED.

3.4.2 **FORWARD** all communications/instructions received from EOF EPC or CED to personnel who have declared alcohol consumption.

3.5 Immediately **NOTIFY** OSC Security Coordinator when NRC personnel arrive on site, providing their names.

3.6 **DIRECT** news media or other related inquiries to JIC Director at Joint Information Center (JIC) or EOF EPC.

3.7 WHEN directed by EOF EPC or CED, THEN **CONFIRM** radiological survey conducted by the RP Technicians prior to permitting personnel access to EOF.

3.8 **GRANT** access to medical casualties delivered to EOF medical treatment room on a priority basis with RP Technician's approval.

3.9 IF notified of an inbound helicopter, THEN **INFORM** EOF RP Leader and EOF EPC.

3.10 **ACT** as the primary Security interface within the EOF liaison organization.

3.11 **COORDINATE** security matters with TSC Security Leader and OSC Security Coordinator.

3.12 **ASSIST** with Site Evacuation **AND** **MONITOR** security sweeps of Mesa work areas.

4.0 **MANUAL ACCOUNTABILITY**

4.1.1 **INITIATE** Form EP(123) 295, EOF Personnel Accountability, as follows:

- Whenever EOF entry/exit card reader is inoperable;
- For personnel requiring EOF entry who do **NOT** have an SSAB;
- For personnel who have another type of generic badge (e.g., Orange County).
- For personnel requiring EOF entry who are assigned to OSC/TSC who do **NOT** have EOF SEAS access.

5.0 **EVACUATION**

5.1 IF any hazards listed in step 5.2 exist, THEN immediately **NOTIFY** EOF EPC **AND** **AWAIT** instructions.

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5.2 **IF** any hazards listed below affect a major portion of Mesa Area, **THEN CONTACT** EOF EPC **AND RECOMMEND** a Mesa Area assembly or evacuation.

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire in any occupied area
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety

5.3 **WHEN** directed by EOF EPC or CED to evacuate/relocate Primary EOF to Alternate EOF at Irvine Operations Center (IOC), **OR IF** initially rendered uninhabitable, **THEN**:

5.3.1 **NOTIFY** TSC Security Leader and OSC Security Coordinator;

5.3.2 **CONDUCT** a sweep of EOF to ensure all personnel have evacuated;

5.3.3 **ENSURE NO** Safeguards Information (SGI) material is left unattended;

5.3.4 **WHEN** EOF evacuation is complete/Building E50 has been secured, **THEN NOTIFY** OSC Security Coordinator and TSC Security Leader.

5.3.5 Upon arrival at Alternate EOF in Irvine, **NOTIFY** OSC Security Coordinator and TSC Security Leader of your PAX number.

6.0 RE-ENTRY INTO EVACUATED EOF


6.1 **WHEN** requested by personnel coordinating re-entry efforts, **THEN PERFORM** necessary security support functions to facilitate re-entry.

7.0 RADIO USE DURING A SECURITY EMERGENCY

7.1 **IF** possibility of a bomb or other explosive device exists, **THEN ADVISE** EOF EPC or CED to announce restrictions of radio transmissions for a 300-foot radius from device location.

8.0 TURNOVER

8.1 **CONDUCT** turnover with oncoming EOF Security Director per Form EP(123) 5, Turnover Status.

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- 8.2 **RECORD** completion of turnover in Security Liaison Log, **AND REPORT** completion of turnover to Security Director and EOF EPC.
- 9.0 **EVENT CLOSEOUT**
- 9.1 **OPEN** EOF steel doors **AND RETURN** temporary security badges to storage.
- 9.2 EOF members LOG OUT of SEAS at the Security Office.



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POSITION CHECKLIST

Administrative Leader Supplemental Position Instruction
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NOTE

1. Sections 9.0 through 20.0 provide supplemental instructions for performing the Administrative Leader duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.


1.0 **INITIAL ACTIONS**

1.1 **REFER** the following contained in position notebook:


- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) EOF-5, Reporting Of Accidents
- EP(123) EOF-6, Notification Of Emergency Contact
- EP(123) ERO-4, Site And Local Assembly Area Tracking Sheet
- EP(123) ERO-6, Assembly Area Briefing Script

1.2 **WHEN** ready to perform your ERO function, **THEN SIGN-IN** on the EOF minimum staffing board.

1.3 **ESTABLISH AND MAINTAIN** a log using form EP(123) 6.


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- 1.4 **ASSIST** EOF Security Director and EOF Emergency Planning Coordinator (EPC) with activation of the EOF.
- 1.5 **ASSIST** the EPC with facility set-up.
- 1.6 **COORDINATE** the following:
 - 1.6.1 Set-up of the hard-copy distribution boxes.
 - 1.6.2 Distributing/sending FAX messages.
 - 1.6.3 Providing and distributing copies.
 - 1.6.4 Providing Corporate Documentation Management (CDM) support to the OSC.
- 2.0 **EMERGENCY RESPONSE COORDINATION**
- 2.1 Recall of Additional Personnel
 - 2.1.1 **CONSULT** with EOF RP Leader and Security Director to determine safest and most direct route to plant.
 - 2.1.2 **COORDINATE** recall, advising requested recall personnel, including relief shift reporting time and route recalled personnel should take to plant. [NN 201507385]
- 2.2 Administrative Support
 - 2.2.1 **INFORM** EOF Leaders, TSC Manager, OSC (Emergency Planning Coordinator) and CR (Operations Leader) of relief shift plans (as discussed with CED or EOF Manager).
 - 2.2.2 **COORDINATE** recall for EOF, TSC, OSC and CR personnel.
 - 2.2.3 **COORDINATE** food and lodging for Emergency Response Personnel via ERTD Corporate Support contacts.
 - 2.2.4 **OBTAIN** a copy of relief rosters from TSC Manager and OSC Emergency Planning Coordinator (EPC).
- 2.3 CDM Support
 - 2.3.1 **REQUEST** support from CDM-SONGS and CDM Ponomia for assistance with required drawings, manuals, or documents.
 - 2.3.2 **CALL** OSC EPC to ensure CDM support is available.

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- 2.3.3 **CONSULT** with EPC and other facility leaders to determine the need for resources or support.
- 2.3.4 **ENSURE** distribution boxes, assigned to Offsite Dose Assessment Center (ODAC), are checked periodically for material to distribute.
- 2.3.5 **ENSURE** material is copied and distributed.
- 2.3.6 **CONSULT** with the EPC with questions on distribution of material.
- 2.4 Facsimile Operations
 - 2.4.1 **REFER** to Facsimile Operation Instructions in the Administrative Leader Notebook.
 - 2.4.2 **ENSURE** material is faxed.
 - Initial News Release as delivered by the EOF Manager/EPC: FAX to the Joint Information Center (JIC) and the Technical Support Center (TSC).
 - Subsequent News Releases: FAX to the TSC.
 - Offsite Dose Assessment Center Notification Forms: FAX as directed by ODAC personnel.
- 3.0 **EOF TELEPHONE OPERATIONS**
 - 3.1 Telecommunications will contact EOF Administrative Leader after forwarding of EOF phones to this position has been completed. **PERFORM** a test call to verify forwarding is working properly.
 - 3.2 **RETRIEVE** voicemail messages that were received prior to staffing the telephone operations.
 - 3.3 **ENSURE** incoming messages are delivered directly to EOF personnel (including local, state and federal representatives).
 - 3.4 **ENSURE** recall of requested personnel is coordinated, as directed.
 - 3.5 **IF** a bomb threat is received, **THEN IMPLEMENT** SO123-IV-9.6, Bomb Threats.
- 4.0 **CONTINUING ACTIONS**
 - 4.1 **DETERMINE** if any injuries or fatalities have occurred.
 - 4.1.1 **REPORT** injuries or fatalities to EC, CED, Operations Leader, Joint Information Center (JIC) Director and Grid Control Center (GCC) per EP(123) EOF-5, Reporting of Accidents.
 - 4.1.2 **NOTIFY** emergency contacts per, EP(123) ERO-4, Site and Local Assembly Area Tracking Sheet

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- 4.2 **REPORT** phone problems to Telecommunications Control Center at PAX 51200 during Alert or higher emergency class.
- 4.3 WHEN requested by the EPC, THEN RECALL requested personnel, including relief shift reporting time and alternate routes to the plant.
- 4.4 **COORDINATE** food and lodging for facility personnel.
- 4.5 IF conditions exist which require EOF evacuation, THEN ASSIST the EPC with relocation activities to the Alternate EOF at the Irvine Operations Center.
- 4.6 Upon arrival at the Alternate EOF, **ASSIST** the EPC with the set up and activation.
- 5.0 **SITE AREA EMERGENCY/SITE ASSEMBLY**

NOTE

Site Assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.

- 5.1 **TRACK** activation of Site and Local Assembly Areas EP(123) ERO-4, Site and Local Assembly Area Tracking Sheet.
- 5.2 **COORDINATE** with EOF Radiation Protection Leader to identify the following:
 - 5.2.1 Alternate Assembly Area(s) when an assembly area(s) is contaminated or when radiation levels are high near an assembly area.
 - 5.2.1.1 **CONTACT** affected Assembly Area with relocation information.
 - 5.2.1.2 **UPDATE** EP(123) ERO-4, Site and Local Assembly Area Tracking Sheet, with updated location.
 - 5.2.1.3 Parking lot(s) inaccessible due to radiological or other hazardous conditions.



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- 5.3 **OBTAIN** CED review and approval on Assembly Area Coordinators using EP(123) ERO-6, Assembly Area Briefing Script, forms prior to disseminating information to Assembly Areas. Include the following:
- Emergency Classification
 - Radioactive Release in progress
 - Application or Removal of **NO** eating, drinking, or smoking rule
 - Parking lot or other areas closed due to radiological or other hazardous conditions
 - Evacuation Route direction and need to report to Reception Centers
 - Other plant information appropriate to the event as directed by CED (i.e., PARs issue, PADs implemented, actions planned or underway)
- 5.4 **OBTAIN** a head count of carpool riders who need transportation from Assembly Area Coordinators.
- 5.5 **COORDINATE** with RP and Security Leaders (SL) to obtain a count of vehicles affected by actual or potential parking lot closures given current or forecast radiological and weather conditions.
- 5.6 **ESTIMATE** number of 40 passenger buses that may be required using the following calculation:
- 5.6.1 Buses Required = (Impacted Vehicles + carpool riders who need transportation)
X 0.03125
- 5.6.2 Contact number listed in Emergency Response Telephone Directory (ERTD), under Transportation, to request dispatch for needed vehicles.
- 6.0 **SITE EVACUATION**
- 6.1 **WHEN** a site evacuation has been directed by SED, **THEN**:
- 6.1.1 **OBTAIN** direction from EOF RP leader and EOF Security Director for evacuation via north, south, or normal departure routes.
- 6.1.2 **ENSURE** Assembly Area coordinators received PA information **AND VERIFY** evacuation direction (north, south, or normal departure routes).
- 6.1.3 **ENSURE** Assembly Area coordinators hold personnel whose transportation is inaccessible until requested transportation arrives.
- 7.0 **TURNOVER**
- 7.1 **CONDUCT** turnover with oncoming Administrative Leader per Form EP(123) 5.
- 7.2 **REPORT** completion of turnover to Emergency Planning Coordinator **AND RECORD** completion of turnover in Administrative Leader Log.

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8.0 **RECOVERY**

8.1 **WHEN** requested by SED, or CED, **THEN**

- 8.1.1 **EVALUATE AND REPORT** assessment of spare parts and equipment, site documents, and other administrative areas.
- 8.1.2 **RECOMMEND** additional personnel and equipment necessary for a Recovery Organization.



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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 9.0 through 20.0 provide supplemental instructions for performing the Administrative Leader duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

9.0 ACTIVATION

9.1 **REFER** to the Emergency Response Telephone Directory (ERTD), located in the Administrative Leader notebook, as a source of phone numbers during declared emergencies.

9.2 **REPORT** status of Administrative staffing to the Emergency Planning Coordinator (EPC).

9.3 **ENSURE** personnel are available to:

9.3.1 **SET-UP** the hard-copy distribution boxes

9.3.2 **DISTRIBUTE**/send FAX messages

9.3.3 **PROVIDE** and distribute copies.

9.3.4 **PROVIDE** Corporate Documentation Management (CDM) support.

9.4 **ASSIST** the EPC with facility set-up.

9.5 **PROVIDE** supplies for other emergency responders.

9.6 **MAINTAIN** a log of decisions and actions required by EPIPs.

9.7 **REVIEW** the checklist periodically during emergency response and following each reclassification.

9.8 **DETERMINE**, from any ERO Leader, if any injuries or fatalities have occurred.


9.8.1 **REPORT** injuries or fatalities to EC, CED, Operations Leader, Joint Information Center (JIC) Director and Grid Control Center (GCC) per EP(123) EOF-5, Reporting Of Accidents.

9.8.2 **NOTIFY** emergency contacts per, EP(123) ERO-4, Site And Local Assembly Area Tracking Sheet.

REFERENCE USE

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- 9.9 **REPORT** phone problems to Telecommunications Control Center at PAX 51200.
- 9.10 **VERIFY** CDM personnel have reported to OSC.
- 9.11 **REVIEW** this checklist periodically during emergency response and recovery and following each reclassification.
- 10.0 **EOF EVACUATION**
- 10.1 **IF** conditions exist which require EOF evacuation, **THEN ASSIST** the EPC with relocation activities to the Alternate EOF at the Irvine Operations Center.
- 10.2 Upon arrival at the Alternate EOF, **ASSIST** the EPC with the set up and activation.
- 11.0 **SITE AREA EMERGENCY/SITE ASSEMBLY**

NOTE

Site Assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.


- 11.1 **TRACK** activation of Site and Local Assembly Areas EP(123) ERO-4, Site And Local Assembly Area Tracking Sheet.
- 11.2 **COORDINATE** with EOF RP Leader to identify the following:
 - 11.2.1 Alternate Assembly Area(s) when an assembly area(s) is contaminated or when radiation levels are high near an assembly area.
 - 11.2.1.1 **CONTACT** affected Assembly Area with relocation information.
 - 11.2.1.2 **UPDATE** EP(123) ERO-4, Site And Local Assembly Area Tracking Sheet, with updated location.
 - 11.2.2 Parking lot(s) inaccessible due to radiological or other hazardous conditions.
- 11.3 Continuously **UPDATE** all EP(123) ERO-6, Assembly Area Briefing Script, forms.

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- 11.4 **OBTAIN** CED review and approval on Assembly Area Coordinators using EP(123) ERO-6, Assembly Area Briefing Script, forms prior to disseminating information to Assembly Areas. Include the following:
- Emergency Classification
 - Radioactive Release in progress
 - Application or Removal of **NO** eating, drinking, or smoking rule
 - Parking lot or other areas closed due to radiological or other hazardous conditions
 - Evacuation Route direction and need to report to Reception Centers
 - Other plant information appropriate to the event as directed by CED (i.e., PARs issue, PADs implemented, actions planned or underway)
- 11.5 **OBTAIN** a head count of carpool riders who need transportation from Assembly Area Coordinators.
- 11.6 **COORDINATE** with RP and Security Leaders (SL) to obtain a count of vehicles affected by actual or potential parking lot closures given current or forecast radiological and weather conditions.
- 11.7 **ESTIMATE** number of 40 passenger buses that may be required using the following calculation:
- 11.7.1 Buses Required = (Impacted Vehicles + carpool riders who need transportation)
X 0.03125
- 11.7.2 Contact number listed in ERTD, under Transportation, to request dispatch for needed vehicles.
- 12.0 **SITE EVACUATION**
- 12.1 **WHEN** a site evacuation has been directed by CED, **THEN:**
- 12.1.1 **OBTAIN** direction from EOF RP Leader and EOF Security Director for evacuation via north, south, or normal departure routes.
- 12.1.2 **ENSURE** Assembly Area coordinators received PA information **AND VERIFY** evacuation direction (north, south, or normal departure routes).
- 12.1.3 **ENSURE** Assembly Area coordinators hold personnel whose transportation is inaccessible until requested transportation arrives.
- 13.0 **EMERGENCY RESPONSE COORDINATION**
- 13.1 CDM Support
- 13.1.1 **REQUEST** support from CDM-SONGS and CDM Rosemead for assistance with required drawings, manuals, or documents.

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- 13.1.2 **ENSURE** CDM support is available.
- 13.1.3 **CONSULT** with EPC and other facility leaders to determine the need for resources or support.
- 13.1.4 Distribution Boxes
 - 13.1.4.1 **ENSURE** distribution boxes (assigned to Offsite Dose Assessment Center [ODAC] and the Offsite Liaison) are checked periodically for material to distribute.
 - 13.1.4.2 **ENSURE** material is copied and distributed.
- 13.1.5 **CONSULT** with the EPC with questions on distribution of material.
- 13.2 Facsimile Operations
 - 13.2.1 **ENSURE** material is faxed.
 - 13.2.2 General FAX distribution guidelines include:
 - Initial News Release as delivered by the EOF Manager/EPC: FAX to the Emergency News Center (ENC) and the Technical Support Center (TSC).
 - Subsequent News Releases: FAX to the TSC.
 - Offsite Dose Assessment Center Notification Forms: **FAX** as directed by ODAC personnel.
 - 13.2.3 Facsimiles received at the EOF may include:
 - Turnover Status Forms: Deliver to the Corporate Emergency Director or EPC.
 - Recall Roster: Deliver to the EPC.
 - Technical Team Data: Deliver to the Technical Leader.
- 14.0 **EOF TELEPHONE OPERATIONS**
- 14.1 **ENSURE** recall of requested personnel is coordinated.
- 15.0 **BOMB THREAT**
- 15.1 **IF** a bomb threat is received, **THEN** **ENSURE** the EOF Administrative Leader implements SO123-IV-9.6, Bomb Threats.

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16.0 **TELECOMMUNICATIONS PROBLEMS**

16.1 **REPORT** phone problems to the Telecommunications Control Center at PAX 51200.

17.0 **EMERGENCY RECALL OF ADDITIONAL PERSONNEL**

17.1 **ASSIST** the EPC with the coordination of recall of additional or relief personnel for the EOF. This may include:

17.1.1 Working with the facility leaders to determine relief shift staffing

17.1.2 Directing the EOF Administrative Leader to recall requested personnel, including relief shift reporting time and alternate routes to the plant

18.0 **LOGISTICAL SUPPORT**

18.1 **ASSIST** the EPC with the coordination of food and lodging for facility personnel.

18.2 Recall of Additional Personnel

18.2.1 IF ERO Leaders request recall of additional personnel, THEN:

18.2.1.1 **CONSULT** with EOF RP Leader and Security Director to determine safest and most direct route to plant.

18.2.1.2 **COORDINATE** recall of requested recall personnel, including relief shift reporting time and route recalled personnel should take to plant. [NN 201507385]

18.3 Administrative Support

18.3.1 IF emergency response personnel may be required on shift for 4 hours, THEN DISCUSS need for the following with CED or EOF Manager:


- Work Hours Controls
- On shift and management personnel recall
- Food and lodging

18.3.2 **INFORM** EOF Leaders, TSC Manager, OSC (Emergency Planning Coordinator) and CR (Operations Leader) of relief shift plans (as discussed with CED or EOF Manager).

18.3.3 **COORDINATE** recall for EOF, TSC, OSC and CR personnel, when requested.

18.3.4 **COORDINATE** food and lodging for Emergency Response Personnel via ERTD Corporate Support contacts.

18.3.5 **TRACK** current staffing and relief staffing.

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18.3.6 **OBTAIN** a copy of relief rosters from TSC Manager and OSC Emergency Planning Coordinator (EPC).

19.0 **TURNOVER**

19.1 **WHEN** recall Administrative Leader arrives at EOF, **THEN**:

19.1.1 **CONDUCT** turnover with oncoming Administrative Leader per Form EP(123) 5.


19.1.2 **REPORT** completion of turnover to EPC **AND RECORD** completion of turnover in Administrative Leader Log.

20.0 **RECOVERY**

20.1 **WHEN** requested by EC/SED, or CED, **THEN**

20.1.1 **EVALUATE AND REPORT** assessment of spare parts and equipment, site documents, and other administrative areas.

20.1.2 **RECOMMEND** additional personnel and equipment necessary for a Recovery Organization.

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POSITION CHECKLIST

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NOTE

1. Sections 3.0 through 10.0 provide supplemental instructions for performing the Emergency Planning Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 **INITIAL ACTIONS**

1.1 **REFER** to the following contained in position notebook:

- EP (123) 5, Turnover Status
- EP (123) 6, Emergency Response Log Book
- EP(123) EOF-4, EOF HVAC System

1.2 **WHEN** ready to perform your ERO function, **THEN SIGN-IN** on the EOF minimum staffing board.

1.3 **ESTABLISH AND MAINTAIN** a log using form EP (123) 6.

1.4 **UNLOCK** all emergency response cabinets and equipment (i.e., desk drawers, YPS cabinet, E-kits and CDM cabinets).


1.5 **REPORT** to the CED and review staffing requirements.

1.6 **ENSURE** leader books are distributed and assist in facility setup.

REFERENCE USE

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- 1.7 **ENSURE** the FAX clock is synchronized clock to the EOF wall clock (Atomic Clock).
- 1.8 **REMIND** personnel to check PAX phones for dial tone and the ringer control is turned on.
- 2.0 **CONTINUING ACTIONS**
- 2.1 Activities to Support the EOF During a Security-Related Notification of Unusual Event after arriving at the EOF:
 - 2.1.1 **REMIND** personnel to sign-in on the Minimum Staffing Board and to scan their badge on the EOF card reader in the hall by the Security post.
 - 2.1.2 **INTERFACE** with and provide information relating to the event to the JIC Director/Spokesperson while they are at the site.
 - 2.1.3 **CALL** in additional support to provide information to the JIC Director/Spokesperson while they are at the site.
 - 2.1.4 **TRACK** CED briefings (approximately every 30 minutes).
- 2.2 Activities to Support the EOF During an Alert or Higher Classification:
 - 2.2.1 **REMIND** personnel to sign-in on the Minimum Staffing Board and to scan their badge on the EOF card reader in the hall by the Security post.
 - 2.2.2 **CONTACT** JIC for activation times and notify the CED and SRO Briefer (to announce over Ivory Phone).
- 2.3 **OBTAIN** media response team location, and request Security to send media to that location.
- 2.4 **ENSURE** the Emergency Advisor, Notifications initiates offsite notifications immediately following changes of emergency class, upgrade in PAR including additional PAZ(s), start or stop of a radiological release.
- 2.5 **OBTAIN** status of offsite sirens from the Telecom Control Center (TCC) in Irvine (PAX 51200).
 - 2.5.1 **REVIEW** with EOF Manager and advise CED of compensatory actions.
- 2.6 **MAKE** brief EOF PA announcement following CED briefings (as directed by the CED).
- 2.7 Emergency Diesel Generator Operations:
 - 2.7.1 **IF** normal power is lost, **THEN VERIFY** proper emergency diesel generator operation.
- 2.8 EOF HVAC System: (per Attachment 3)

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- 2.8.1 **ENSURE** EOF HVAC system is in the proper mode.
- 2.9 Assist with the placement of personnel during a relocation of TSC and/or OSC to the EOF.
- 2.9.1 **RELOCATE** the following position with their counterparts:
- SED/CED
 - Emergency Advisor Operations/SRO Briefer
 - TSC Technical Lead/EOF Technical Lead
 - TSC RP Leader/EOF RP Leader
- 2.9.2 **ASSEMBLE** remaining TSC staff in E-50, Classroom 11.
- 2.9.3 **ASSEMBLE** OSC staff in E-50, Learning Center A/B.
- 2.9.4 Additional classrooms may also be utilized.
- 2.10 IF staffing of the EOF is not progressing as expected, THEN **COORDINATE** with the Security Director WHEN contacting the ERO staging locations to ensure contact is made and NOT duplicated.
- 2.10.1 **MAKE** contact with the ERO Staging locations to determine if there are responders awaiting instruction or assistance in responding to their ERF. The telephone numbers are located in the ERTD.
- The north staging location is the CHP Office at San Juan Capistrano.
 - The south staging location is the CHP Office at Oceanside.
- 2.10.2 **DETERMINE** the amount of SONGS ERP that are at each staging location.
- **ENSURE** that you have a name of an ERO contact at the staging location AND **MAKE** periodic contact with him/her providing status updates.
- 2.10.3 **RECORD** information acquired from the staging location.
- **PROVIDE** your telephone number to the staging location contacts.
 - **PROVIDE** information regarding the staging locations to the Security Director.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE


1. Sections 3.0 through 10.0 provide supplemental instructions for performing the Emergency Planning Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

3.0 ACTIVITIES TO SUPPORT THE EOF DURING A SECURITY-RELATED NOTIFICATION OF UNUSUAL EVENT AFTER ARRIVING AT THE EOF

- 3.1 **REPORT** to the CED **AND REVIEW** staffing requirements.
- 3.2 **UNLOCK** all emergency response cabinets and equipment (i.e., desk drawers, YPS cabinet, E-kits and CDM cabinets).
- 3.3 **ENSURE** leader books are distributed **AND ASSIST** in facility setup.
- 3.4 **ENSURE** the FAX clock is synchronized to the EOF wall clock (Atomic Clock).
- 3.5 **INTERFACE** with **AND PROVIDE** information relating to the event to the JIC Director/Spokesperson while they are at the site.
- 3.6 **CALL IN** additional support to provide information to the JIC Director/Spokesperson while they are at the site.

4.0 ACTIVITIES TO SUPPORT THE EOF DURING AN ALERT OR HIGHER CLASSIFICATION

- 4.1 **REPORT** to the CED **AND REVIEW** staffing requirements.
- 4.2 **REMIND** personnel to sign-in on the Minimum Staffing Board and to scan their badge on the EOF card reader in the hall by the Security office.
- 4.3 **UNLOCK** all emergency response cabinets and equipment (i.e., desk drawers, YPS cabinet, E-kits and CDM cabinets).
- 4.4 **ENSURE** leader books are distributed **AND ASSIST** in facility setup.
- 4.5 **CONTACT** JIC for activation times **AND NOTIFY** the CED EOF Technical Leader (to announce over Ivory Phone).

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5.0 **MEDIA RESPONSE TEAM**

NOTE

Prior to JIC activation, a media response team will report to a near site location to manage the media that will report to SONGS. The specific location will depend on the incident and the ability to get to SONGS (i.e., road closures).

5.1 **OBTAIN** media response team location, **AND REQUEST** Security to send media to that location.

6.0 **NOTIFICATIONS AFTER EC TURNOVER TO CED**

6.1 **ENSURE** the EOF Emergency Advisor, Notifications is making notifications per SO123-VIII-30.7, Emergency Notifications and time requirements are being met.

6.2 **ASSIST** the EOF Emergency Advisor, Notifications with the printed message hand-drafted Event Notification Form (ENF) to ensure sufficient time to meet the 30-minute requirement.

6.3 **OBTAIN** status of offsite sirens from the Telecom Control Center (TCC) in Irvine (PAX 51200).

6.3.1 **REVIEW** with EOF Manager and advise CED of compensatory actions.

7.0 **REPETITIVE ACTIONS**

7.1 **ENSURE** the CED provides facility briefings about every 30 minutes.

7.2 **MAKE** EOF PA announcements following:

- Event reclassification
- EOF activation
- Turnover of EC duties

7.3 **ENSURE** the proper declaration time and event code are posted on the Plant Status Board.


7.4 **CONTACT** TSC Manager in TSC **AND ASK** for the top 3 to 4 priorities the TSC is tracking.

7.5 **PLACE** these top priorities under Onsite Portion of the Priority Status Board.

7.6 **PLACE** additional EOF priorities on the Priority Status Board, as directed by the CED.

7.7 **OBTAIN** offsite siren status from the TCC in Irvine at PAX 51200. **REVIEW** status with the EOF Manager **AND ADVISE** the CED of any required compensatory actions.

7.8 **REVIEW** this checklist frequently, specifically after emergency class changes.

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8.0 **EMERGENCY DIESEL GENERATOR OPERATIONS**

8.1 **IF** power is lost and the diesel generator automatically starts, **THEN CHECK** the diesel for proper operation by:

8.1.1 **GO TO** EOF Security Office (302 Watch).

8.1.2 **REVIEW** the Diesel Generator Remote Control Panel EOFL0002 for any Alarms or noticeable problems with the Panel.

8.1.3 **IF** any noticeable problems are found with the Diesel Generator Remote Control Panel EOFL0002, **THEN NOTIFY** the CED and Site Support Services of problems.

8.1.4 **IF** any portion of the panel is in Alarm, **THEN NOTIFY** the CED and Site Support Services of Alarms.

8.1.5 **REQUEST** the Security Force person to notify you at PAX 83811 or 83821 if any Alarms come in on the Diesel Generator Remote Control Panel EOFL0002.

9.0 **EOF HVAC SYSTEM**

9.1 **WHEN** requested by the RP Leader, **THEN PLACE** the EOF HVAC system in either the emergency filtration or isolation mode using EP(123) EOF-4, EOF HVAC System. **ASSIST** the CED to ensure that the number of personnel in the controlled ventilation area are maintained within permissible limits as described in EP(123) EOF-4, EOF HVAC System, Section 3 Caution statements.

9.2 **ENSURE** EOF HVAC system is in the proper mode IAW EP(123) EOF-4.

10.0 **ASSIST WITH THE PLACEMENT OF PERSONNEL DURING A RELOCATION OF TSC AND/OR OSC TO THE EOF**


10.1 **RELOCATE** the following position with their counterparts:

- SED / CED
- Emergency Advisor Operations / SRO Briefer
- TSC Technical Leader / EOF Technical Leader
- TSC RP Leader / EOF RP Leader

10.2 **ASSEMBLE** remaining TSC staff in E-50, Classroom 11.


10.3 **ASSEMBLE** OSC staff in E-50, Learning Center A / B

10.4 **ADDITIONAL** classrooms may also be utilized.

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- 10.5 IF staffing of the EOF is **NOT** progressing as expected, THEN **COORDINATE** with the Security Director when contacting the ERO staging locations to ensure contact is made and **NOT** duplicated.
- 10.6 **MAKE** contact with the ERO Staging locations to determine if there are responders awaiting instruction or assistance in responding to their ERF. The telephone numbers are located in the ERTD.
- The north staging location is the CHP Office at San Juan Capistrano.
 - The south staging location is the CHP Office at Oceanside.
- 10.7 **DETERMINE** the amount of SONGS ERP that are at each staging location.
- 10.7.1 **ENSURE** that you have a name of an ERO contact at the staging location **AND MAKE** periodic contact with him/her providing status updates.
- 10.7.2 **RECORD** information acquired from the staging location.
- 10.7.3 **PROVIDE** your telephone number to the staging location contacts.
- 10.7.4 **PROVIDE** information regarding the staging locations to the Security Director.
- 10.8 Communication with Media Response Team and JIC
- 10.8.1 **OBTAIN** media response team location from the JIC Communications/Technical Liaison.
- 10.8.2 **REQUEST** Security to direct media to the media response team near site location or to the JIC.

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POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL TASKS

1.1 ENSURE the following is contained in position notebook:

- EP (123) 5, Turnover Status
- EP (123) 6, Emergency Response Log Book
- EP (123) EOF 4, EOF HVAC System
- EP(123) EOF-9, Radioactive Release Data For Joint Information Center
- EP(123) EOF-10, Environmental Sample Log
- EP(123)-EOF 13, Offsite Field Monitoring Team Briefing/Instructions
- EP(123) EOF-14, CDE Thyroid Correction Factor
- EP(123) EOF-15, Offsite Field Monitoring Team Data Vs. Raddose-V Plume Data
- EP(123) ERO-3, Authorization To Issue Potassium Iodide
- EP(123) ERO-9, Response Team Guidelines
- EP(123)-OFMT-2, Dosimetry Log
- EP(123)-OFMT-3, Offsite Field Monitoring Team Survey/Sampling Log

1.2 WHEN ready to perform your ERO function, **THEN SIGN-IN** on the EOF minimum staffing board.

1.3 Test PAX phone.

1.4 REPORT equipment malfunctions to the EOF Emergency Planning Coordinator or Telecommunications Control Center at PAX 51200.


1.5 ESTABLISH AND MAINTAIN a log using form EP (123) 6.

1.6 REPORT all radiation monitoring equipment malfunctions to OSC RP Coordinator.

1.7 SET-UP/CHECK air and dose rate monitoring equipment in EOF.

1.8 PERFORM surveys in EOF to assess potential exposure to EOF personnel.


1.9 PROVIDE RP support to individuals planning to approach EOF by air or ground.

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- 1.10 **CONTACT** TSC RP Leader upon arrival **AND CHECK** on any abnormal radiological conditions, radiation monitor readings, or radiological release.
- 1.11 **ASSIST** the EOF Security Director and the EOF Emergency Planning Coordinator with the activation of the EOF.
- 1.12 **ASSIST** with PAR development.
- 1.13 **ENSURE** Offsite field monitoring teams are dispatched and being controlled in accordance with Attachment 9, EOF Offsite Field Monitoring Team Checklist.
- 2.0 **CONTINUING ACTIONS**
- 2.1 **MAINTAIN** communications between the TSC and OSC.
- 2.2 **CHECK** area radiation monitors (e.g., north EOF door, south EOF door, east EOF door and E49 Conference Room) for operability and trends at least hourly.
- 2.3 **POST** source term, radiation levels and weather conditions on EOF Radiation Status Board periodically.
- 2.4 **TRACK** onsite and offsite field teams by number, location, and dose rate.
- 2.5 As dose rate data is updated, **INDICATE** an increasing trend with an up arrow and a decreasing trend with a down arrow.
- 2.6 **ENSURE** one Raddose-V computer is being operated in the SLAVE mode.
- 2.7 Immediately **NOTIFY** CED, Technical Team Leader, and TSC RP Leader of any changing radiological conditions thought to be significant.
- 2.8 **COMPLETE** form EP(123) EOF-9, Radioactive Release Data For Joint Information Center for any changing radiological conditions.
- 2.9 Declared General Emergency **OR** a Radiological Release in Progress
 - 2.9.1 **IF** a radiological release starts or stops, **THEN PERFORM** the following:
 - 2.9.1.1 **NOTIFY** the CED of the start or stop of any radiological release and the applicable start/stop times.
 - 2.9.1.2 **NOTIFY** the EOF Emergency Advisor Notifications of the start or stop of a radiological release and the applicable start/stop times.
 - 2.9.1.3 **MAKE** an announcement in the EOF of the start/stop of the radiological release including applicable time.

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- 2.9.2 **CONSIDER** requesting EPC to place EOF HVAC into Emergency Filtration Mode.
- 2.9.3 **CHECK** the 15-minute average "from" wind speed every 15-minutes for possible impact on the EOF and PAR upgrade.
- 2.9.4 **IF** conditions require surveys of EOF, **THEN PERFORM** surveys of EOF are being performed every 30 minutes or more often.
- 2.9.5 Until surveys are performed showing **NO** radiological contamination, **THEN CONSIDER** prohibiting eating and drinking in the EOF.
- 2.9.6 **ENSURE** Offsite field monitoring teams briefing/review of offsite field team monitoring information is performed with ODAC.
- 2.9.7 **REQUEST** radiological information from onsite and offsite field monitoring teams.
- 3.0 **CHEMICAL OR GASEOUS RELEASE**
- 3.1 **IF** a chemical or gaseous release is in progress **AND IF** the wind direction "from" is 135 degrees to "from" 165 degrees, **THEN CONSIDER** requesting EPC to place EOF HVAC in Isolation Mode.
- 4.0 **EOF DOSIMETER ISSUE**
- 4.1 **ENSURE** personnel who may receive exposures in excess of 10 CFR 20 limits have authorization from EC/SED.
- 4.2 **MAINTAIN** a hard copy exposure and dose-tracking records, form EP(123) OFMT-2, Dosimetry Log, for all personnel assigned to EOF.
- 4.3 **ENSURE** SRDs are issued when dose rates reach 2.5 mR/hr in EOF.
- 5.0 **MONITORING COORDINATION**
- 5.1 **PREPARE** Offsite Field Monitoring Team briefing IAW EP(123)-EOF-13 (Offsite Field Monitoring Team Briefing/Instructions) and Offsite Field Monitoring Team Briefing Guidelines (pages 5 and 6 of this attachment).
 - 5.1.1 **COORDINATE** placement of Field Monitoring Teams with Offsite Dose Assessment Center (ODAC), as time and circumstances permit.
- 5.2 **PERFORM** a briefing to the Field Monitoring Team(s) IAW form EP(123) EOF-13 (Offsite Field Monitoring Team Briefing/Instructions).
- 5.3 **PERFORM** communication checks with the Field Monitoring Team hand held portable radios.
- 5.4 **STAY** in communications with **AND DIRECT** the Onsite and Offsite Field Monitoring Team(s).

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- 5.5 During the recovery phase **RECORD** field monitoring survey and sampling data on EP(123) EOF-10, Environmental Sample Log.
- 5.6 **PERFORM** appropriate calculations using field monitoring survey and sampling data IAW SO123-VIII-40.300, form EP(123) EOF-10, Environmental Sample Log, and EP(123) EOF-14, CDE Thyroid Correction Factor, as time permits.
- 5.7 **RECORD** Offsite Field Monitoring Team locations and survey data on appropriate map.
- 5.8 **SHARE** field monitoring data with ODAC representative.

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OFFSITE FIELD MONITORING TEAM BRIEFING GUIDELINES

1.0 ACTIONS

1.1 Radio Protocol

1.1.1 ENSURE radio protocol is conducted in the following manner:

1.1.1.1 USE of 3-way communications (REPEAT BACKS).

1.1.1.2 USE of the phonetic alphabet.

1.1.1.3 Do NOT USE slang or profanity.

1.1.1.4 LIMIT use of acronyms and abbreviations.

1.2 ENSURE the Radiation Protection Leader has a cell phone number for the Offsite Field Monitoring Team(s).

1.3 Potassium Iodide (KI)

1.3.1 IF member(s) of the Offsite Field Monitoring Team(s) is allergic or believes he/she may be allergic to KI, **THEN CONSIDER** possible reassignment of individual.

1.3.2 IF the Offsite Field Monitoring Team have been or will be exposed to a Thyroid CDE in excess of 25 rem, **THEN REFER** to **AND SIGN** EP(123) ERO-3, Authorization To Issue Potassium Iodide in preparation of taking KI.

1.4 Meteorological Conditions


1.4.1 OBTAIN AND PROVIDE current and forecast meteorological information to Offsite Field Monitoring Team(s) including the following:

- Wind direction(s) and map areas (Sectors) that are or may be impacted
- Wind Speed
- Precipitation

1.5 Hazards

1.5.1 ENSURE any current road hazards that are known are included in the briefing such as:


- Flooded Roads
- Closed Roads
- Traffic Accidents

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- 1.5.2 **EMPHASIZE** that personnel safety is a higher priority than obtaining surveys and/or samples.
- 1.5.2.1 IF it is **NOT** safe to survey/sample from the requested location due to traffic, surroundings, etc, THEN **RELOCATE** to an area close to the original requested survey/sampling location **AND BEGIN** survey/sampling.

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POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in position notebook:

- EP(123) 6, Emergency Response Log Book
- EP(123) 10, Event Notification Form
- EP(123) 11, Verbal Notification Form

1.2 VERIFY YPS equipment is ready for use.

1.2.1 **VERIFY** the YPS is operational by calling at least one other Emergency Response Facilities (TSC 37, EOF 35, CR 38).

1.2.2 **VERIFY** fax clock is set to facility clock. (The Pacific Time Zone at <http://www.time.gov> can be used as a backup, JAVA animation may need to be disabled.)

1.2.3 **TEST** fax transmission of YPS and backup fax.

1.2.4 **CHECK** paper supply to ensure there is enough paper.

1.3 IF YPS equipment is not working properly, THEN **CONTACT Telecommunications Control Center at PAX 51200.**

1.4 ESTABLISH AND MAINTAIN a log of all decisions and actions required by EPIPs, AND IDENTIFY items requiring feedback.

1.5 SIGN-ON to the Staffing Board.

1.6 OBTAIN emergency status from status boards and ERO leaders and previous ENF/VNFs for the event.

1.7 MAINTAIN the Notification Status Board.

1.8 MONITOR the Yellow Phone using the orator.

1.9 IF transfer of EC duties to Corporate Emergency Director (CED) has occurred, THEN **ASSUME responsibility for notifications **AND** **CONTACT** TSC EAN to confirm transfer of duties.**

- 1.10 **WHEN** the SED conducts turnover of EC functions to the EOF, **THEN REVIEW** the status of notifications with the TSC EA, Notifications to determine which facility should complete the notifications.
- 1.11 **COMPLETE** Form EP(123) 11, Verbal Notification, based on Event declaration, PAR upgrade, start or stop of radiological release, activation of the EOF/Alternate EOF, and follow-up or close out message requirements.
- 2.0 **CONTINUING ACTIONS**
- 2.1 **VERIFY** notifications are initiated as soon as possible and **NO** later than the times indicated below (event declaration/reclassification, PAR upgrade, start or stop of radiological release sets EDT time 0):


NOTIFICATION TIME LIMITS		
TIME LIMIT	NOTIFICATION	RESPONSIBILITY
EDT + 15 minutes	EP(123) 11, Verbal to Local & State	EAN
As soon as possible but within 1 hour of EDT	Red Phone verbal to NRC	OPS
EDT + 30 minutes	EP(123) 10, ENF to Local & State	EAN
EDT + 90 minutes and every 60 minutes thereafter	EP(123) 10, ENF Follow-up	EAN

(EDT = Event Declaration Time)

- 2.2 **COMPLETE** Form EP(123) 11, Verbal Notification form (VNF), based on Event declaration, PAR upgrade, start or stop of radiological release and follow-up or close out message requirements (step may be repeated to facilitate completing new forms).



- 2.2.1 15-Minute Verbal Notification.
- 2.2.1.1 **PREPARE** Form EP(123) 11, Verbal Notification Form (VNF).
- 2.2.1.2 **OBTAIN** Verbal Notification independent Verification from EOF Manager and approval initials from the EC.
- 2.2.1.3 **PERFORM** Blue Phone verbal notification.
- 2.2.1.4 **PERFORM** YPS verbal notification IAW SO123-VIII-30.7, Emergency Notifications.
- 2.2.1.5 **REPORT** verbal notification status to the EC **AND UPDATE** notification board with actual times of notification.

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2.2.2 30-Minute Printed Message.

2.2.2.1 ENTER AND PRINT Event Notification Form (ENF), EP(123) 10.

2.2.2.2 OBTAIN EC approval on both forms.

2.2.2.3 FAX ENF to all YPS stations by pressing the BATCH TX key followed by the START key on the dedicated FAX Machine.

2.2.2.4 FAX ENF to the California Office of Emergency Services (CAL OES).

2.2.2.5 RECORD Fax start time on VNF, Section 6.0.

2.2.2.6 FAX completed VNF to TSC and/or EOF (ref ERTD).

2.2.2.7 RECORD printed message status on the Notification Board.

2.2.3 Follow-Up Notification

2.2.3.1 PREPARE VNF (Sections 2 and 5 only).

2.2.3.2 ENTER AND PRINT ENF.

2.2.3.3 OBTAIN EC approval on both forms.

2.2.3.4 PERFORM blue and yellow phone verbal notification using VNF Sections 2 and 5.

2.2.3.5 FAX ENF to all YPS stations by pressing the BATCH TX key followed by the START key on the dedicated FAX Machine.

2.2.3.6 FAX ENF to the California Office of Emergency Services (CAL OES).

2.2.3.7 RECORD completion time on VNF, Section 6.0.

2.2.3.8 FAX completed VNF to TSC.

2.2.3.9 RECORD message status on the Notification Board.


2.2.4 Close-out Notifications.

2.2.4.1 PREPARE VNF (Sections 2 and 5 only).


2.2.4.2 ENTER AND PRINT ENF.

2.2.4.3 OBTAIN EC approval on both forms.

2.2.4.4 PERFORM blue and yellow phone verbal notification using VNF Sections 2 and 5.

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- 2.2.4.5 **FAX** ENF to all YPS stations by pressing the BATCH TX key followed by the START key on the dedicated FAX Machine.
- 2.2.4.6 **FAX** ENF to the California Office of Emergency Services (CAL OES).
- 2.2.4.7 **RECORD** completion time on VNF, Section 6.0.
- 2.2.4.8 **FAX** completed VNF to TSC and/or EOF.
- 2.2.4.9 **RECORD** printed message status on the Notification Board.
- 2.3 Administrative Actions.
 - 2.3.1 **DELIVER** one copy of printed message to EOF Administrative Leader for distribution.
- 3.0 **YELLOW PHONE SYSTEM PROBLEMS**
 - 3.1 IF there are YPS system problems, THEN **CONTACT** Telecom Control Center (TCC) at PAX 51200.
 - 3.2 IF nearest YPS is not working or is inaccessible (i.e., equipment malfunction or uninhabitable atmosphere), THEN emergency notifications could be completed using the YPS at other Emergency Response Facilities, or from a safe location using the alternate telephone and fax numbers.
 - 3.2.1 **REFER** to Verbal Notification Form, EP(123)11 for CAL OES alternate number. (**REFER** to ERTD for Yellow Phone alternate numbers.)
 - 3.3 IF Yellow Phone Voice Circuit is completely inoperable, THEN:
 - 3.3.1 Using the alternate number found in the ERTD, **CONTACT** Orange County (Station 27),
 - 3.3.1.1 **READ** the VNF information **AND**
 - 3.3.1.2 **INFORM** them the Yellow Phone is inoperable.
 - 3.3.1.3 **REQUEST** Orange County relay the information to the cities of Dana Point, San Juan Capistrano and San Clemente.
 - 3.3.2 **INFORM** the jurisdictions that further updates will be through the Yellow Phone Bridge Line (949-368-3800, access code 0852).
 - 3.3.3 Using the alternate number found in the ERTD; **CONTACT** the San Diego County EOC (Station 46), USMC Command Center (Station 23), State Parks Dispatch (Station 29), Edison Generation Operations (Station 42).


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- 3.3.3.1 **READ** the VNF information **AND, INFORM** them the Yellow Phone is inoperable.
- 3.3.3.2 **INFORM** the jurisdictions that further updates will be through the Yellow Phone Bridge Line (949-368-3800, access code 0852).
- 3.3.3.3 **INFORM** the jurisdictions that further updates will be through the Yellow Phone Bridge Line (949-368-3800, access code 0852).
- 3.3.4 **REPORT** all phone problems to EOF Telecom Supervisor, facility EPC or TSC Manager.
- 3.3.5 IF all stations report no message receipt, THEN **FAX** printed message from another fax machine.

NOTE

The following steps will tie an outside phone call directly into YPS. The station must maintain an open line.

- 3.4 IF a YPS voice circuit fails, THEN **CONTACT** affected station **AND DIRECT** them to dial (949) 368-3880 followed by Access Code 0852 to connect to YPS verbal circuit.
 - 3.4.1 IF more than three backup lines are needed, THEN **CONTACT** affected station **AND DIRECT** them to dial (949) 368-3800 followed by Access Code 0852 to YPS verbal circuit.
 - 3.4.2 Immediately **INFORM** Telecommunications Control Center at PAX 51200 of circuit problem.

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POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **SIGN-IN** on the EOF Position Sign-In Board.

1.2 **ENSURE** the following is contained in position notebook:

- EP(123) OFMT-1, Offsite Field Monitoring Team Equipment Inventory Checklist
- EP(123) OFMT-2, Dosimetry Log
- EP(123) OFMT-3, Offsite Field Monitoring Team Survey/Sampling Log

1.3 **REPORT** to EOF Radiation Protection (RP) Leader.

1.4 **OBTAIN** the Offsite Emergency Vehicle keys, room key, and Ekit key located in EOF key lock box.

1.5 The Offsite Field Monitoring Team (Monitor and/or Driver) **PERFORM** the following:

1.5.1 **IF** the seal on Cabinet Door 1 is intact, **THEN** Portable Action Kits (Black Cloth Brief Case) do **NOT** have to be inventoried prior to use.

1.5.2 **IF** the seal on Cabinet Door 1 is **NOT** intact, **THEN INVENTORY** the Portable Action Kits (PAKs) prior to use, using EP(123) OFMT-1, Offsite Field Monitoring Team Equipment Inventory Checklist.

1.6 **PERFORM** a response check on all count and dose rate instruments.

1.7 **PERFORM** Radio and/or cell phone checks.

1.8 **READ AND ENSURE** you understand form EP(123) ERO-3 concerning the issuing of Potassium Iodide (KI).

1.9 **NOTIFY** the RP Leader if after reading form EP(123) ERO-3, you do **NOT** believe you can ingest KI.

1.10 **ZERO** dosimetry (self-reading or electronic).

1.11 **COMPLETE** dosimetry information form EP(123) OFMT-2, Dosimetry Log.

1.12 **GIVE** completed EP(123) OFMT-2, Dosimetry Log to EOF RP Leader.

- 1.13 **RECEIVE** a briefing from EOF RP Leader prior to leaving the EOF to perform survey and sampling duties.
- 1.14 **LOAD** equipment into Offsite Field Monitoring vehicle.

NOTE

Provide input to RP Leader due to changing conditions for the following items:

- Where to survey and sample
- To move to other survey/sampling locations
- Any observed changing radiological and/or meteorological conditions

Report any transportation or safety concerns.

2.0 IN FIELD ACTIONS

- 2.1 The Offsite Field Monitoring Team (Monitor) **PERFORM** the following:



- 2.1.1 **MAINTAIN** contact with the Radiation Protection Leader at least every 15 minutes.




- 2.1.2 **MONITOR** dose rates and check dosimetry upon entering what is thought to be the radiological plume every 5 minutes.

NOTE

Air Samples should be taken for a total of 48 liters, which is 12 minutes for the default setting for Air Samplers used (running at 4LPM).

- 2.1.3 **TAKE** Air Samples as requested by RP Leader.
- 2.1.4 **USE** proper contamination controls to prevent cross contamination of samples, instruments, or other equipment.
- 2.1.5 **ENSURE** all appropriate survey and sampling information is recorded on EP(123) OFMT-3, Offsite Field Monitoring Team Survey/Sampling Log.
- 2.1.6 **TRANSMIT** all sample data recorded on EP(123) OFMT-3 to RP Leader.
- 2.1.7 **IF** the dose rate of a sample is greater than 5 mR/hr at 30 centimeters, **THEN STORE** the sample in back corner of the vehicle.

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EOF Offsite Field Monitoring Team Checklist

Attachment 9

NOTE

Low level contamination (background to 5,000 cpm above background by direct survey) of Offsite Field Team personnel or vehicle is **NOT** a reason for having them return to the EOF for decontamination.

2.2 **PERFORM** a cursory survey of all Offsite Field Monitoring Team members, equipment, and vehicle after exiting what was thought to be the radiological plume and when asked to return to the EOF.

2.2.1 **REPORT** back results to EOF Radiation Protection Leader.

2.2.2 Upon arrival at the EOF, **REMAIN** in vehicle until directed otherwise.

3.0 **POST JOB-DEBRIEFING/TURNOVER**


3.1 **PROVIDE** a post job briefing to the EOF RP Leader and the oncoming Offsite Field Monitoring Team(s), if available, concerning appropriate issues:

- Safety
- Traffic
- Gasoline Level
- Vehicle Contamination
- Equipment Contamination
- Vehicle Problems
- Equipment Problems
- Radiological status

4.0 **REPLENISH SUPPLIES**

4.1 **PERFORM** the following at the end of actual event or drill/exercise:


4.1.1 **PERFORM** an inventory of the PAKs using EP(123) OFMT-1, Offsite Field Monitoring Equipment Inventory, **AND REPLACE** any needed supplies or equipment.

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Summary of Changes	Attachment 10
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Author: David A. Clark PAX: 89967 Location: D1N


NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
50.59 / 72.48 Determination	50.59 and 72.48 determined _____ This procedure supersedes the following: SO123-VIII-10.2 SO123-VIII-30.1 SO123-VIII-40.3 SO123-VIII-50.2 SO123-VIII-60.2 SO123-VIII-60.4 SO123-VIII-70 SO123-VIII-70.2 SO123-VIII-40.300 (Procedures being superseded have previously been determined 50.59/72.48 DNA)	Frank Grovich D. Vanderwoude		ALL
EPIP Upgrade Project/ERO Reduction	Created Attachment 1 Corporate Emergency Director Checklist from SO123-VIII-10.2	See Table Below	DNA	Page 8
	Created Attachment 2 EOF Manager Checklist from SO123-VIII-10.2	See Table Below	DNA	Page 16
	Combined JIC Communications/Technical Liaison from SO123-VIII-10.2 with EOF Manager Checklist due to reduction IN ERO.	See Table Below	DNA	Page 16
	Created Attachment 3 EOF Technical Leader Checklist from SO123-VIII-50.2	See Table Below	DNA	Page 20
	Combined EOF Brown Phone Talker from SO123-VIII-50.2 with EOF Technical Leader Checklist due to reduction IN ERO.	See Table Below	DNA	Page 20
	Combined EOF SRO Briefer/Ivory Phone Talker from SO123-VIII-10.2 with EOF Technical Leader Checklist due to reduction IN ERO.			

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Summary of Changes

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NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
	Created Attachment 4 EOF Security Director Checklist from SO123-VIII-60.4 Combined EOF Security Liaison Checklist from SO123-VIII-60.2 with EOF Security Director Checklist due to reduction IN ERO	See Table Below	DNA	Page 23
EPIP Upgrade Project/ERO Reduction	Created Attachment 5 EOF Administrative Leader Checklist from SO123-VIII-70. Combined EOF Emergency Planning Coordinator Checklist from SO123-VIII-70.2 with EOF Administrative Leader Checklist due to reduction IN ERO. Combined EOF Offsite Liaison/Status Board Keeper with EOF Administrative Leader Checklist due to reduction IN ERO.. There was no checklist previously.	See Table Below	DNA	Page 32
	Created Attachment 6 EOF Emergency Planning Coordinator Checklist from SO123-VIII-70.2	See Table Below	DNA	Page 44
	Created Attachment 6 EOF Emergency Planning Coordinator Checklist from SO123-VIII-30.1	See Table Below	DNA	Page 44
	Created Attachment 7 EOF Radiation Protection Leader Checklist from SO123-VIII-40 Combined EOF Radiation Protection Communicator from SO123-VIII-40 with EOF Radiation Protection Leader Checklist Checklist due to reduction IN ERO. Combined TSC Radiation Protection Communicator Checklist from SO123-VIII-40 with EOF Radiation Protection Leader Checklist due to reduction IN ERO. Combined EOF Radiation Protection Technician Checklist from SO123-VIII-40 with EOF Radiation Protection Leader Checklist due to reduction IN ERO.	See Table Below	DNA	Page 51

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Summary of Changes

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NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
EPIP Upgrade Project/ERO Reduction	Created Attachment 8 EOF Emergency Advisor, Notifications Checklist from SO123-VIII-40			
	Combined EOF Yellow Phone Communicator with EOF Emergency Advisor, Notifications Checklist due to reduction IN ERO. There was no checklist previously. Yellow Phone Problems was moved from SO123-VIII-30.7, Emergency Notifications due to reduction IN ERO.	See Table Below	DNA	Page 57
	Created Attachment 9 EOF Offsite Field Monitoring Team Checklist from SO123-VIII-40	See Table Below	DNA	Page 62
	Deleted checklists for EOF Yellow Phone Communicator, EOF JIC Communications/Technical Liaison, EOF Brown Phone Talker EOF SRO Briefer/Ivory Phone Talker EOF Radiation Protection Communicator EOF Radiation Protection Technician EOF Administrative Coordinator EOF Liaison/Status Board Keeper and EOF Security Liaison due to ERO reduction.	See Table Below	DNA	

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Summary of Changes		Attachment 10

Document Reviewers:	Name:
Job Title / Reviewer Role	Bob Sholler
Job Title / Reviewer Role	Scott Genschaw
50.59 / 72.48 Determination	Frank Grovich
50.59 / 72.48 Determination	David Vanderwoude
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Nuclear Oversight Final Approval:	Marina Farmer
CFDM Final Approval:	Deborah Lindbeck

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Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	Attachment 2
Reference Use	<ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except Attachment 2

Color Usage	Location
This Document Does Not Contain Relevant Color	

NQA

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES / RX DNA


Procedure Type	Procedure Owner
EPIP	Deborah Lindbeck

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1.0 **RESPONSIBILITIES**

- 1.1 **VERIFY** level of use requirements on the first page of this procedure.
- 1.2 JIC Director/Spokesperson – Overall management of the facility. The JIC Director may act as company spokesperson with Media Relations assistance.
- 1.3 Corporate Communications Team – Manage all Corporate Communication activities including facilitating press briefings and interface with the news media.

2.0 **DEFINITIONS**

2.1 Definitions

- 2.1.1 **ALARA** - Acronym for "As Low as Reasonably Achievable," a basic concept of radiation protection that specifies that radioactive discharges from nuclear plants and radiation exposure to personnel be kept as far below regulation limits as feasible.
- 2.1.2 **ALERT** – If an Alert is declared, events are in process or have occurred which involve an actual or potential substantial degradation in the level of safety of the plant. Any releases of radioactive material from the plant are expected to be limited to a small fraction of the Environmental Protection Agency (EPA) protective action guides (PAGS).
- 2.1.3 **AREA RADIATION MONITORING SYSTEM** - An instrumentation system that measures radiation levels in various plant areas and alarms if abnormal radiation levels are detected.
- 2.1.4 **ASSEMBLY AREA** - An area designated for the assembly of site personnel upon evacuation of the Protected Area.
- 2.1.5 **BACKGROUND RADIATION** - Radiation that is continually present in man's natural environment and radiation by naturally occurring radioactive elements, from both inside and outside human bodies, i.e., cosmic, terrestrial and internal radiation.
- 2.1.6 **BUFFER ZONE** – An area adjacent to a restricted zone, to which residents, i.e., general public may return, but for which protective measures are recommended to minimize exposure to radiation.
- 2.1.7 **COMMUNITY ALERT AND NOTIFICATION SYSTEM** - A system of sirens installed in the local communities that provides the primary means of alerting the public to an impending notification by public authorities via the Emergency Alert System.
- 2.1.8 **CONGREGATE CARE CENTER** - Refers to a facility remote from the SONGS site for temporary housing, care, and feeding of evacuees.
- 2.1.9 **CONTAMINATED, INJURED, OR EXPOSED INDIVIDUALS** - Individuals who are contaminated; contaminated and otherwise physically injured; or exposed to high levels of radiation.

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- 2.1.10 **CONTROL ROOM PERSONNEL (UNITS 2/3)** - Shift Manager (Control Room Supervisor), Control Operator, Assistant Control Operator, Nuclear Plant Equipment Operator, Shift Technical Advisor, and Nuclear Operations Assistant (Shift Communicator).
- 2.1.11 **CONTROL ROOM** - The location at SONGS from which the reactors and its auxiliary systems are controlled.
- 2.1.12 **COUNTING** - The use of an instrument to detect individual particles or gamma rays which interact with the detector on the instrument. For example, ambient radiation can be counted, or, alternatively, the radiation emitted by specific samples can be counted.
- 2.1.13 **DOSE LIMITS FOR EMERGENCY WORKERS** - The allowable accumulated radiation dose during the duration of the emergency. Action to avoid exceeding the limit is taken based on actual measurements of integrated gamma exposure. In contrast, protection action guides are trigger levels of projected dose at which actions are taken to protect the public. These actions are taken prior to the dose being received.
- 2.1.14 **DOSE PROJECTIONS** - A calculated estimate of the potential dose to individuals at a given location, based on estimates of the quantity of radioactive material released, and appropriate meteorological conditions.
- 2.1.15 **DOSE RATE** - Radiation dose delivered per unit time, for example, milliRem per hour.
- 2.1.16 **EMERGENCY OPERATIONS CENTER** - The primary base of emergency operations for an Offsite Response Organization in a radiological emergency.
- 2.1.17 **EMERGENCY PLANNING ZONE (EPZ)** - The area surrounding SONGS, generally within a ten-mile radius but expanded to include the entire city limits of Dana Point and San Juan Capistrano, for which plans have been prepared for protecting the population in the event of an emergency involving the plant.
- 2.1.18 **EMERGENCY CLASS** - The severity level of an emergency designated by one of the four following categories: **Unusual Event**, **Alert**, **Site Area Emergency**, and **General Emergency**.
- 2.1.19 **EMERGENCY RESPONSE ORGANIZATION (ERO)** - The SONGS organization responsible for the implementation of the Emergency Plan.
- 2.1.20 **EMERGENCY ACTION LEVEL (EAL)** - Any set of plant initiating conditions that require the implementation of this plan.
- 2.1.21 **EMERGENCY OPERATIONS FACILITY (EOF)** - The onsite facility for providing management of overall emergency response coordination and determination of public protective action recommendations. The EOF also provides space for federal, state, and local representatives.
- 2.1.22 **EMERGENCY PLAN IMPLEMENTING PROCEDURES** - The detailed procedures that provide specific instructions for emergency response personnel to implement the provisions of the SONGS Emergency Plan.

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- 2.1.23 **FACILITY ACTIVATION** – A process by which a SONGS emergency facility is brought up to emergency mode from a normal mode of operation. Facility activation is completed when the facility is ready to carry out full emergency operations.

- 2.1.24 **FIXED CONTAMINATION** - Refers to contamination that remains after loose contamination has been removed by decontamination.

- 2.1.25 **GENERAL EMERGENCY** – A General Emergency involves actual or imminent substantial core damage or melting of reactor fuel with the potential for loss of containment integrity. Radioactive releases during a general emergency can reasonably be expected to exceed the EPA PAGs for more than the immediate site area.

- 2.1.26 **RADIATION PROTECTION TECHNICIAN** - An individual trained in radiation protection.

- 2.1.27 **INGESTION PATHWAY ZONE** - The pathway from which the principal source of contaminated foods or water comes, extending to 50 miles from SONGS.

- 2.1.28 **KI (POTASSIUM IODIDE)** - Potassium iodide is a salt, similar to table salt. Its chemical symbol is KI. It is routinely added to table salt to make it "iodized." Potassium iodide, if taken within the appropriate time and at the appropriate dosage, blocks the thyroid gland's uptake of radioactive iodine and thus reduces the risk of thyroid cancers and other diseases that might otherwise be caused by thyroid uptake of radioactive iodine that could be dispersed in a severe reactor accident.

- 2.1.29 **MANUAL OF EMERGENCY EVENTS** - Manual to assist offsite emergency response personnel in understanding the facilities and terminology used at SONGS, as well as the Emergency Action Levels.

- 2.1.30 **MEASURING** - Counting to detect radiation levels or to determine other parameters, such as the energy of radiation; or physical characteristics of samples, such as the volumes of air samples.

- 2.1.31 **MONITORING** - The measurement of radiation levels, usually with a portable survey instrument.

- 2.1.32 **NOBLE GASES** - Chemically inert radioactive gases that are released during an accident at a nuclear power plant.

- 2.1.33 **OPERATIONS SUPPORT CENTER** - A site facility located in the Protected Area where specified emergency response personnel assemble during an emergency.

- 2.1.34 **PLUME EXPOSURE PATHWAY** -The area surrounding the site in which the principal sources of exposure from a radioactive plume are, (a) external radiation exposure to gamma radiation from the plume and from deposited material, and (b) inhalation exposure from the passing radioactive plume.

- 2.1.35 **POTASSIUM IODIDE** – See definition for KI.

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- 2.1.36 **PRECAUTIONARY ACTION** - A protective action taken on the basis of the potential for a release of radioactive material, such as preventing consumption of unacceptably contaminated food.
- 2.1.37 **PROJECTED DOSE** - The estimated or calculated amount of radiation dose to an individual from exposure to the radioactive plume.
- 2.1.38 **PROTECTED AREA** - The restricted area within the site boundary containing plant equipment to which access is controlled.
- 2.1.39 **PROTECTIVE ACTION RECOMMENDATIONS** - Actions recommended by SCE for consideration by offsite authorities for the purpose of preventing or minimizing radiological exposure to the public based on plant conditions or dose projections during an emergency.
- 2.1.40 **RECEPTION CENTERS** - A facility where monitoring, decontamination, and registration of evacuees are conducted.
- 2.1.41 **RECOVERY** - The process of reducing radiation exposure rates and concentrations of radioactive materials in the environment to acceptable levels for unconditional occupancy or use after a radiological emergency.
- 2.1.42 **RESTRICTED ZONE** - An area of controlled access from which the population have been evacuated or relocated.
- 2.1.43 **SAMPLING** - The collection of specimens of materials (e.g., particles or radioiodine in the air) at onsite and offsite locations.
- 2.1.44 **SITE AREA EMERGENCY** - A Site Area Emergency involves events in process or which have occurred that result in actual or likely major failures of plant functions needed for protection of the public. Any releases of radioactive material are not expected to exceed the EPA PAGs except near the site boundary.
- 2.1.45 **SPECIAL NEEDS POPULATION** - Groups of individuals with physical or mental challenges who need assistance when protective actions are implemented.
- 2.1.46 **TECHNICAL SUPPORT CENTER** - A facility in which accident conditions are assessed, emergency response actions are directed and dose projections are made. Prior to activation of the EOF, offsite communications are made from this facility.
- 2.1.47 **NOTIFICATION of UNUSUAL EVENT** - Under this category, events are in process or have occurred which indicate potential degradation in the level of safety of the plant. No release of radioactive material requiring offsite response or monitoring is expected unless further degradation occurs.

2.2 RADIOLOGICAL TERMS

- 2.2.1 **Man-REM**: - Product of the average individual dose in a population times the number of individuals in the population.

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- 2.2.2 **Millirem:** - 1/1000 of a REM
- 2.2.3 **Protective Action Guide (PAG):** - Absorbed dose of ionizing radiation to individuals in the general population, which would warrant protective action.
- 2.2.4 **Rad:** - Unit of absorbed dose in any medium.
- 2.2.5 **Radiation Protection Guide:** - Officially determined doses that should not be exceeded without careful consideration of reasons for doing so.
- 2.2.6 **Radio-Sensitivity:** - Relative sensitivity of cells, tissues, organs, organisms, or any living substance to the injurious effects of radiation.
- 2.2.7 **REM:** - Unit of dose equivalent. The dose equivalent in REM is numerically equal to the absorbed dose in Rad multiplied by the quality factor, distribution factor, and other necessary modifying factors.

2.3 Acronyms

- 2.3.1 CAL OES: California Office of Emergency Services
- 2.3.2 CED: Corporate Emergency Director
- 2.3.3 CEDE: Combined External Dose Equivalent
- 2.3.4 CR: Control Room
- 2.3.5 EAN: Emergency Advisor, Notifications
- 2.3.6 EC: Emergency Coordinator
- 2.3.7 ENF: Event Notification Form
- 2.3.8 EOC: Emergency Operations Center
- 2.3.9 EOF: Emergency Operations Facility
- 2.3.10 EP: Emergency Plan
- 2.3.11 EPC: Emergency Planning Coordinator
- 2.3.12 EPIP: Emergency Plan Implementing Procedure
- 2.3.13 ERF: Emergency Response Facility
- 2.3.14 ERO: Emergency Response Organization
- 2.3.15 ERTD: Emergency Response Telephone Directory
- 2.3.16 JIC: Joint Information Center
- 2.3.17 ODAC: Offsite Dose Assessment Center

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2.3.18	<u>PAPA:</u>	Protected Area Personnel Accountability
2.3.19	<u>PAR:</u>	Protective Action Recommendation
2.3.20	<u>PAZ:</u>	Protective Action Zone
2.3.21	<u>PIO</u>	Public Information Officer
2.3.22	<u>RP:</u>	Radiation Protection
2.3.23	<u>SC:</u>	Shift Communicator
2.3.24	<u>SED:</u>	Station Emergency Director
2.3.25	<u>TSC:</u>	Technical Support Center
2.3.26	<u>VNF:</u>	Verbal Notification Form
2.3.27	<u>Normal Work Hours</u>	8:00am to 5:00pm, Monday through Friday


3.0 PROCEDURE

- 3.1 **OBTAIN** a copy of the applicable ERO position checklist. This checklist may be found in the back of each ERO Position Book or may be obtained from this procedure

4.0 RETENTION OF RECORDS

- 4.1 Following closure of the facility, all documentation should be provided to Emergency Planning.


REFERENCE USE

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JIC Director Checklist	Attachment 1
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1.0 JIC DIRECTOR

- 1.1 Contact the Vice President of SCE Corporate Communications at (626) 302-2255 and request activation of the Corporate Communication response team to the Joint Information Center (JIC).
- 1.2 **CALL** the Saddleback 24-hour Duty Supervisor, via Edison Operator at (800) 621-8516. **NOTIFY** them SONGS will activate the facility **AND REQUEST** the trucks be moved out of the truck bay and set up of the facility.
- 1.3 **CONTACT** the EOF Manager at extension 8-83326 or 8-83328 to obtain current plant status.
- 1.4 **ENSURE** Yellow Phone (Black Box) and Ivory phone monitors are operable.
- 1.5 **VERIFY** the Yellow Phone monitor is operable by listening for communications between SONGS and outside agencies. Monitor conversations for updates on emergency event classification, protective action recommendations and offsite decision-making.
- 1.6 **VERIFY** the Ivory Phone monitor is operable by listening for communications between site emergency response facilities. Monitor conversations for updates on plant conditions and emergency event classifications.
- 1.7 **CHECK** the Yellow Phone Fax machine to ensure paper is loaded. **RETRIEVE AND REVIEW** any fax copies that have been transmitted.
- 1.8 Upon arrival of the SCE Corporate Communications Response Team **CONDUCT** an initial meeting with the SCE Team to discuss emergency status, safety and priorities.
- 1.9 **DECLARE** the facility activated (for regulatory purposes) when minimum staffing requirement (Director/Spokesperson) is met.
 - 1.9.1 The facility can be opened and considered operational when there are a sufficient number of PIOs at the facility or at the discretion of the JIC Director. This will necessitate a press release stating the facility is open.
- 1.10 **CONTACT** the NRC Public Affairs Office at the NRC Region IV (Arlington Office of Public Affairs) at 817-860-8128. **INFORM** them of the opening of the facility **AND DETERMINE** their level of involvement.

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JIC Director Checklist	Attachment 1	

1.11 **GATHER** PIOs for a briefing.

1.11.1 **LET** them know who you are and that you are the lead SCE person at the facility (AR070400920-3).

1.11.2 **WELCOME** PIOs and do round-table introductions (initial meeting only).

1.11.3 **DISCUSS** the following:

- Pre-accident plant conditions
- Current plant conditions
- Personnel who are in charge at the plant
- Release of radioactivity (as applicable)
- Local, State and Federal Agency Notifications
- Wind direction and speed
- Any effects on Offsite Populations
- Injuries involved with the emergency
- Unaffected unit plant status

1.11.4 **ASK** PIOs to share updates for their jurisdiction/agency

1.11.5 **REVIEW** process for General Emergency (GE) press briefings.


1.11.6 **DETERMINE** frequency for coordination meetings.

1.12 **ENSURE** the media receive a timely response to unanswered questions

1.13 **REVIEW AND APPROVE** media releases. **ENSURE** CED reviews and approves all press releases prior to issue.


- **FAX** completed Press Release to 949-368-3664.
- **CONTACT** the EOF Manager at extension 8-83326 or 8-83328 and **REQUEST** they retrieve the Press Release from the Fax machine located in Room EOF-12 and seek CED approval.

1.14 As time permits, **COORDINATE** a 24 hour shift staffing rotation schedule.

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JIC Director Checklist		Attachment 1

1.15 **ENSURE** shift turnovers are conducted with all teams. WHEN turning over JIC Director/Spokesperson duties, THEN USE Form EP(123) JIC-02.

1.16 **COORDINATE** facility closure with EOF.


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Summary of Changes	Attachment 2
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Author: David A. Clark PAX: 89967 Location: D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
50.59 / 72.48 Determination	50.59 and 72.48 determined _____ This procedure supersedes portions of the following: OEPG-SO123-G-1 (Procedures being superseded have previously been determined 50.59/72.48 DNA)	Frank Grovich D. Vanderwoude	—	ALL
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Deleted positions due to reduction in ERO staffing.	Listed Below	DNA	Throughout

Document Reviewers:	Name:
Job Title / Reviewer Role	Todd Adler
Job Title / Reviewer Role	Scott Genschaw
50.59 / 72.48 Determination	Frank Grovich
50.59 / 72.48 Determination	David Vanderwoude
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Cognizant Supervisor	Larry McCann
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Approvers:	
Nuclear Oversight Final Approval:	Marina Farmer
CFDM Final Approval:	Deborah Lindbeck

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Procedure Usage Requirements	Sections
Information Use <ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	Attachment 10
Reference Use <ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except Attachment 10

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QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES / RX DNA

Procedure Type
EPIP

Procedure Owner
Deborah Lindbeck

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1.0 **RESPONSIBILITIES**

1.1 **VERIFY** Level of Use requirements on the first page of this procedure.

1.2 **WHEN** an emergency has been declared and ERF staffing is required, **THEN** each ERO member shall follow their position specific checklist after arriving at their Emergency Response Facility (ERF).

1.3 The responsibilities of OSC ERO personnel are as follows:

1.3.1 Emergency Group Leader:

- Functional supervisor of OSC
- Coordinates emergency response team activities.
- Advises the Station Emergency Director for emergency repairs.

1.3.2 OSC Radiation Protection Coordinator

- Coordinates Radiation Protection activities from the OSC.
- Acts as liaison between the OSC and in-plant field teams. Maintains plant radiological status board.
- Evaluates radiological conditions associated for in-plant field teams performing assessment and repair and develops Radiation Exposure Permits that specify radiological controls.
- Maintain radio contact with the onsite response teams and keeps the Emergency Group Leader (EGL) informed of the radiological conditions.
- Support RP Leader with primary duty of providing briefings and debriefings to teams on radiological conditions and required radiological controls

1.3.3 OSC Radiation Protection Technicians

- Provides Radiation Protection support for emergency response teams in the plant for damage assessment, control and repair of equipment, and injury or lifesaving tasks.

REFERENCE USE



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1.3.4 OSC Chemistry Coordinator

- Provides data on chemistry of reactor coolant system and other plant systems.
- Makes recommendations on maintaining chemical control of systems.
- Operates Multi-Channel Analyzer (MCA) and provides analysis results to the EOF RP Leader.

1.3.5 OSC Security Coordinator

- Coordinates security activities from the OSC.

1.3.6 OSC Maintenance Coordinator

- Coordinates maintenance and repair activities from the OSC.
- Provide briefings and debriefings to mitigating field teams.

1.3.7 OSC Operations Coordinator

- Coordinates Operations activities from the OSC.
- Keeps OSC informed of plant conditions via the Ivory Phone and maintains Plant Status board/priority board.

1.3.8 OSC Emergency Planning Coordinator

- Advises and assists the Emergency Group Leader with coordination of emergency response teams, and all Emergency Plan requirements.
- Maintains status board tracking for all teams in field.
- Provides CDM support to the OSC.

1.3.9 OSC Emergency Services Coordinator

- Coordinates firefighting, first aid and rescue activities.
- Provides for the response to hazardous materials incidents for the protection of life, environment and property.

1.3.10 OSC Mechanical Maintenance Technician

- Provides mechanical support for emergency response teams in the plant for damage assessment, control and repair of equipment.

REFERENCE USE



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1.3.11 OSC I&C Technicians

- Provides instrumentation and control support for emergency response teams in the performance of damage assessment and in the control and repair of equipment.

1.3.12 OSC Electrical Technicians

- Provides electrical support for emergency response teams in the plant for damage assessment, control and repair of equipment.

2.0 ACRONYMS

2.1	<u>AOI:</u>	Abnormal Operating Instructions
2.2	<u>ARM:</u>	Area Radiation Monitor
2.3	<u>AWS:</u>	Administration Warehouse & Supply/Shop
2.4	<u>CAL OES:</u>	California Office of Emergency Services
2.5	<u>CAPR:</u>	Corrective Action to Prevent Reoccurrence
2.6	<u>CAS:</u>	Central Alarm Station
2.7	<u>CED:</u>	Corporate Emergency Director
2.8	<u>CEDE:</u>	Committed Effective Dose Equivalent
2.9	<u>CDE:</u>	Committed Dose Equivalent
2.10	<u>CR:</u>	Control Room
2.11	<u>DAC:</u>	Derived Airborne Concentration
2.12	<u>EAB:</u>	Exclusion Area Boundary
2.13	<u>EAL:</u>	Emergency Action Level
2.14	<u>EAN:</u>	Emergency Advisor, Notifications
2.15	<u>EC:</u>	Emergency Coordinator

REFERENCE USE



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2.16	<u>EDT:</u>	Event Declaration Time
2.17	<u>ENF:</u>	Event Notification Form
2.18	<u>EOC:</u>	Emergency Operations Center
2.19	<u>EOF:</u>	Emergency Operations Facility
2.20	<u>EP:</u>	Emergency Plan
2.21	<u>EPC:</u>	Emergency Planning Coordinator
2.22	<u>EPIP:</u>	Emergency Plan Implementing Procedure
2.23	<u>ERDS:</u>	Emergency Response Data System
2.24	<u>ERF:</u>	Emergency Response Facility
2.25	<u>ERO:</u>	Emergency Response Organization
2.26	<u>ERTD:</u>	Emergency Response Telephone Directory
2.27	<u>ERP:</u>	Emergency Response Personnel
2.28	<u>HDP:</u>	Hardened Defense Position
2.29	<u>IHPS:</u>	Integrated Health Physics System
2.30	<u>ISFSI:</u>	Independent Spent Fuel Storage Installation
2.31	<u>KI:</u>	Potassium Iodide
2.32	<u>NRC:</u>	Nuclear Regulatory Commission
2.33	<u>OCA:</u>	Owner Controlled Area
2.34	<u>ODAC:</u>	Offsite Dose Assessment Center
2.35	<u>OSLD</u>	Optically Stimulated Luminescent Dosimeter
2.36	<u>OSSC:</u>	Onsite Security Commander

REFERENCE USE



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2.37	<u>PA:</u>	Protected Area
2.38	<u>PAPA:</u>	Protected Area Personnel Accountability
2.39	<u>PAR:</u>	Protective Action Recommendation
2.40	<u>PASS:</u>	Post-Accident Sampling System
2.41	<u>PAZ:</u>	Protective Action Zone
2.42	<u>PED:</u>	Personal Electronic Dosimetry
2.43	<u>REPCET:</u>	Representative Core Exit Temperature
2.44	<u>RP:</u>	Radiation Protection
2.45	<u>SAMG:</u>	Severe Accident Management Guideline
2.46	<u>SAS:</u>	Secondary Alarm Station
2.47	<u>SC:</u>	Shift Communicator
2.48	<u>SCBA:</u>	Self-Contained Breathing Apparatus
2.49	<u>SCE:</u>	Southern California Edison
2.50	<u>SCP:</u>	Safeguards Contingency Plan
2.51	<u>SED:</u>	Station Emergency Director
2.52	<u>SL:</u>	Security Leader
2.53	<u>SM:</u>	Shift Manager
2.54	<u>SOFD:</u>	San Onofre Fire Department
2.55	<u>SONGS:</u>	San Onofre Nuclear Generating Station
2.56	<u>SPF:</u>	Security Processing Facility
2.57	<u>SRO:</u>	Senior Reactor Operator

REFERENCE USE




**Emergency Response Organization (ERO) Operations
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- 2.58 SSPF: South Security Processing Facility
- 2.59 STA: Shift Technical Advisor
- 2.60 TEDE: Total Effective Dose Equivalent
- 2.61 TSC: Technical Support Center
- 2.62 VA: Vital Area
- 2.63 VNF: Verbal Notification Form
- 2.64 YPS: Yellow Phone System

REFERENCE USE

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3.0 **PROCEDURE**

3.1 **OBTAIN** a copy of the applicable ERO position checklist. This checklist may be found in the first tab of each ERO Position Book.

3.2 **ACTIVATION AND OPERATION OF THE OSC**

3.2.1 Upon declaration of a Notification of Unusual Event (NOUE) (if activation is directed by Emergency Coordinator), or an ALERT or higher classification, OSC personnel shall report to the OSC. ERO positions assigned a Positional Instruction Checklist, as defined below, shall obtain their checklist when reporting to the OSC and follow instructions contained within.


3.2.2 The Emergency Group Leader may declare the OSC activated when the following minimum staff positions have been filled:

- OSC Emergency Group Leader
- OSC Radiation Protection Coordinator
- OSC Radiation Protection Technicians
- OSC Chemistry Coordinator
- OSC Security Coordinator
- OSC Maintenance Coordinator
- OSC Operations Coordinator
- OSC Emergency Planning Coordinator
- OSC Emergency Services Coordinator
- 5 RP Technicians
- 1 Mechanical Maintenance Technician
- 1 I&C Technician
- 1 Electrician

4.0 **RETENTION OF RECORDS**

4.1 **COLLECT** all paperwork generated in response to the emergency event (e.g., logs, procedures, attachments, forms and checklists) **AND DELIVER** to either the TSC Manager, EOF Emergency Planning Coordinator, or OSC Emergency Planning Coordinator.

REFERENCE USE

	Emergency Response Organization (ERO) Operations Support Center Position Checklists	SO123-VIII-OSC REV: 0 Page 9 of 92
OSC Emergency Group Leader Checklist		Attachment 1

POSITION CHECKLIST

Emergency Group Leader Supplemental Position Instructions Table of Contents

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3.0	SITE ASSEMBLY AND EVACUATION	15
4.0	SUSPENSION OF NORMAL WORK PRACTICES	15
5.0	TEAM DISPATCH	16
6.0	CONTINUING ACTIONS	16
7.0	EGL TURNOVER	16
8.0	EVENT CLOSEOUT	17

NOTE

1. Sections 2.0 through 8.0 provide supplemental instructions for performing the EGL duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) EOF-5, Reporting Of Accidents
- EP(123) ERO-6, Assembly Area Briefing Script
- EP(123) OSC-2, OSC Relocation Checklist
- EP(123) OSC-3, Team Dispatch Instructions

1.2 ASSUME the position of Emergency Group Leader.

1.2.1 **LOG** into the Protected Area Personnel Accountability (PAPA) system.

1.2.2 **SIGN IN** on the OSC Staffing Board.



**Emergency Response Organization (ERO) Operations
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OSC Emergency Group Leader Checklist

Attachment 1

1.2.3 VERIFY communications devices function.

- Telephone
- Public Address (PA) System

1.3 ACTIVATE the facility.

1.3.1 VERIFY minimum staffing prior to declaring the OSC activated.

- OSC Radiation Protection Coordinator
- OSC Chemistry Coordinator
- OSC Security Coordinator
- OSC Maintenance Coordinator
- OSC Operations Coordinator
- OSC Emergency Planning Coordinator
- OSC Emergency Services Coordinator
- 5 RP Technicians
- 1 Mechanical Maintenance Technician
- 1 I&C Technician
- 1 Electrician

1.3.2 ANNOUNCE that the OSC is activated to the OSC personnel.


1.4 VERIFY all other OSC positions are being filled.

1.5 PERFORM an initial brief; include priorities, status **AND INFORM** personnel of the following expectations:

1.5.1 IF you have priority information and a brief is in progress, THEN interrupt the brief and share the information.

1.5.2 **ENSURE** details for the team mission are decided upon prior to team briefing. **CLARIFY** team missions with the OSC Maintenance Coordinator.


1.6 MAINTAIN a log of activities.

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OSC Emergency Group Leader Checklist

Attachment 1

- 1.7 **ENSURE** equipment repair and restoration priorities established by the TSC are being followed.
- 1.8 **COORDINATE** OSC tasks.
 - 1.8.1 **INITIATE** the Team Dispatch/Tracking Forms.
 - 1.8.2 **ENSURE** OSC Coordinators assemble repair and survey teams, perform team briefings, and track team progress as instructed.
 - 1.8.2.1 **ENSURE** periodic communication with the Team Leaders in the field is accomplished.
- 1.9 **RESOLVE** resource allocation conflicts.
 - 1.9.1 **KEEP** the Maintenance Coordinator informed of OSC operations and problems.
 - 1.9.2 **ENSURE** the Maintenance Coordinator is aware of all repair team dispatches.
- 1.10 **PROVIDE** periodic plant status facility briefings with OSC personnel (approximately every 30-60 minutes) or following significant changes in plant status.
- 1.11 Continuously **ACCOUNT** for OSC personnel.
- 1.12 **COORDINATE AND DIRECT** activities for facility relocation per EP(123) OSC-2, Relocation Checklist.
- 1.13 **CONDUCT** shift turnover.


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OSC Emergency Group Leader Checklist

Attachment 1

1.14 Upon event termination, **ENSURE** all items have been returned to a state of readiness.

- **COMPLETE** all checklist items.
- **FACILITATE** post-event critique.
- **RETURN** the workstation to its original condition.
- **RETURN** all position notebooks to their storage location.
- **RETURN** any emergency response equipment to its original location.
- **COLLECT** all the OSC paperwork including team dispatch Form, EP(123) OSC-3, Team Dispatch Instructions.
- **PROVIDE** all paperwork to the Emergency Planning Coordinator in the OSC.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 2.0 through 8.0 provide supplemental instructions for performing the EGL duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

2.0 OSC/ALT OSC ACTIVATION

2.1 REPORT to SED **AND SIGN-IN** on minimum staffing board.

2.2 REVIEW staffing requirements **AND MAINTAIN** a log of decisions and actions.

2.3 DETERMINE the status of ongoing mitigation efforts in the plant.

2.4 DIRECT an OSC Operations Coordinator to complete a dispatch checklist for emergency responders who are in the plant.

2.5 ENSURE OSC has adequate personnel and equipment resources.

2.5.1 IF a Chemistry Supervisor is **NOT** present, **THEN DESIGNATE** a Chemistry Technician or other available personnel to review the Chemistry Coordinator procedure steps.


2.5.2 **ENSURE** minimum staffing levels are met for the OSC as soon as possible.

2.5.3 IF emergency conditions require the call-out of additional personnel, **THEN DIRECT** the Administrative Leader (EOF) or responsible Coordinator to contact the desired personnel.

2.5.4 The OSC may be activated if the Emergency Services Coordinator/Incident Commander is at the incident scene.

2.6 IF the TSC and OSC have been relocated to Building E-50, **THEN:**

2.6.1 **ASSEMBLE** OSC personnel in Building E-50 Learning Center.

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OSC Emergency Group Leader Checklist	Attachment 1
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2.6.2 **ENSURE** OSC Leaders obtain ERO Leader Notebooks from bookcase located in Building E-50 Hallway.

2.6.3 **ESTABLISH** communications with the EOF.

2.6.4 **COORDINATE** with the SED to establish / prioritize Response Teams.

2.6.5 **COORDINATE** with the Security Director to safely dispatch Response Teams from Building E-50 to the Owner-Controlled Area or Protected Area.



2.7 **DECLARE** the OSC activated after minimum staffing levels have been met. This should be accomplished within 90 minutes of notification time for Alert or higher classification.


2.7.1 **DIRECT** the Operations Coordinator to announce OSC activation over the Ivory Phone circuit.



2.8 **CONDUCT** OSC briefings approximately every 30 minutes or as conditions warrant.

2.8.1 **ENSURE** TSC and OSC priorities for event mitigation are in alignment, documented on the Plant Priorities white board and disseminated to OSC staff during briefings.

2.9 **REVIEW** this checklist periodically during emergency response, recovery, and following each reclassification.

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OSC Emergency Group Leader Checklist

Attachment 1

3.0 SITE ASSEMBLY AND EVACUATION

3.1 IF any of the hazards listed below Step 3.2 affect major portions of the Protected Area or Owner Controlled Area, THEN CONTACT the SED AND RECOMMEND a Site Assembly or Site Evacuation.

3.2 IF any of the hazards listed below affect a major portion of the Mesa area, THEN CONTACT the SED AND RECOMMEND a Mesa Area Assembly or Evacuation:

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire Protection System Actuation
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety
- Local report of fire or smoke
- Any other condition which may present a hazard to plant personnel

3.3 IF the local area is the OSC, THEN DIRECT OSC personnel to proceed to an alternate OSC location.

3.3.1 Options for relocation of the OSC include the K buildings, the Outage Control Center, and E-50.


3.3.2 **IMPLEMENT** EP(123) OSC-2, OSC Relocation Checklist.

4.0 SUSPENSION OF NORMAL WORK PRACTICES

4.1 Deviation from Maintenance Procedures

4.1.1 IF Maintenance procedures detract from emergency response efforts or increase the hazard to plant personnel or the public, THEN MODIFY OR WAIVE Maintenance procedures or steps.


4.1.1.1 **IDENTIFY** to the SRO Operations Supervisor or the SED the waiving or modification of specific maintenance controls.

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OSC Emergency Group Leader Checklist

Attachment 1

- 4.1.1.2 Prior to approving a deviation from a Maintenance procedure or steps, **ENSURE** the team leader understands what is being bypassed, and what the associated risks are to personnel and equipment.
- 4.2 Plant Saving/Damage Control Actions
 - 4.2.1 **REQUEST** the OSC Operations Coordinator to determine whether the action is plant saving/damage control or a Shift Superintendent (Shift Manager) Accelerated Maintenance (SSAM) action.
 - 4.2.2 IF the task is plant saving/damage control, **THEN WORK** with the Operations Coordinator to determine the necessary actions to expedite mitigation efforts.
 - 4.2.3 IF the task is a SSAM action, **THEN USE** the SSAM process.
 - 4.2.4 IF the event does **NOT** fit the criteria for plant saving/damage control or SSAM, **THEN USE** the normal work processes.
- 4.3 Waiver of Security/Safeguards Procedures
 - 4.3.1 IF Security/Safeguards procedures are hampering medical, fire and/or rescue efforts, **THEN OBTAIN** a waiver of Security/Safeguards procedures using 10CFR50.54(x) from the SED.
- 5.0 **TEAM DISPATCH**
- 5.1 **DISPATCH** teams per Form EP(123) OSC-3, Team Dispatch Instructions.
- 6.0 **CONTINUING ACTIONS**
- 6.1 **PROVIDE** OSC briefings (approx. every 30-min.)
- 6.2 **EXERCISE** Command and Control of the OSC.
- 6.3 **REVIEW** this checklist periodically.
- 7.0 **EGL TURNOVER**
- 7.1 **WHEN** the oncoming Emergency Group Leader arrives at the OSC, **THEN:**
 - 7.1.1 **CONDUCT** turnover with the oncoming EGL per Form EP(123) 5, Turnover Status.

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OSC Emergency Group Leader Checklist

Attachment 1

7.1.2 **RECORD** completion of the turnover in the EGL log.

7.1.3 **REPORT** completion of turnover to the SED.

8.0 EVENT CLOSEOUT

8.1 WHEN requested by the SED, THEN RECOMMEND additional Maintenance personnel and equipment necessary for a recovery organization.

8.2 **RESTORE** emergency equipment to designated locations AND COLLECT facility paperwork.

POSITION CHECKLIST

OSC Radiation Protection Coordinator Supplemental Position Instructions Table of Contents

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11.0	RESPONSE TEAMS	33
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14.0	TURNOVER	39

NOTE


1. Sections 3.0 through 14.0 provide supplemental instructions for performing the OSC Radiation Protection Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) ERO-9, Response Team Guidelines
- EP(123) OSC-2 OSC, Relocation Checklist
- EP(123) OSC-5, Radiation Protection Team Tracking
- EP(123) OSC-8, Dosimetry and Respirator Issue

1.2 **LOG** into the Protected Area Personnel Accountability (PAPA) system.

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OSC Radiation Protection Coordinator Checklist	Attachment 2
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1.3 **ASSUME** the position of OSC Radiation Protection Coordinator.

1.3.1 **SIGN IN** on the OSC Staffing Board.

1.3.2 **TURN** on the OSC P.C. radio and monitor.

1.3.2.1 At USER NAME, **ENTER** (in CAPS) OSC. At PASSWORD, **ENTER** guest (in lowercase).

1.3.3 **VERIFY** communications devices function.

1.3.3.1 Telephone.

1.3.4 **ESTABLISH AND MAINTAIN** a log using Form EP(123) 6, Log Book.

1.4 **ACTIVATE** the OSC radiological control functions.

1.4.1 **ENSURE** the personnel decontamination facilities and equipment are in a state of readiness.

1.4.2 **ENSURE** RP related equipment and tools located in the Emergency lockers in the OSC staging area are in a state of readiness.


- SCBA bottles (adequate pressure)
- All battery powered equipment (i.e, flashlights, meters, friskers, etc.)
- Radio base stations and portable radios

1.4.3 **ENSURE** adequate personnel are present from the RP Department to initially activate the OSC.

1.4.4 **REPORT** readiness or problems to the Emergency Group Leader.

1.4.5 **DISPATCH** technicians to **DIRECT** habitability surveys of the TSC and OSC be performed periodically. These should include: checking the current CAM reading, checking the current general area dose rate, and surveying for loose surface contamination at the TSC entrance.


1.4.6 **REPORT** the status of TSC/OSC habitability to the OSC Supervisor and the TSC Radiation Protection Leader.

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OSC Radiation Protection Coordinator Checklist

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- 1.4.7 **DISPATCH** technicians to periodically **VERIFY** the habitability of the Control Room.
- 1.4.8 **REPORT** the status of Control Room habitability to the TSC Radiation Protection Leader.
- 1.5 **MAINTAIN** telephone communications between the TSC and OSC
- 1.6 **MAINTAIN** telephone contact with response teams.
- 1.7 **REPORT** equipment malfunctions to the OSC Emergency Planning Coordinator.
- 1.8 **RECORD** all survey data received from Response Teams. **FORWARD** survey data to the OSC Radio Operator.
- 1.9 **MAINTAIN** concise and professional communications.
- 1.10 **ENSURE** the most current plant radiological survey data is readily available. This data can be obtained from IHPS and the U 2/3 70' RP Control Point Routine Survey Definitions (RSD) book(s).
- 1.11 **ENSURE** the most current component locator book(s) is available. This book(s) can be used to help locate plant components.
- 1.12 **ENSURE** a Plant Radiation Monitoring System locator is available. This information can be used to help determine any changes in radiological conditions in various areas of the plant prior to field team dispatch.
- 1.13 **LOOK** forward in the drill or actual emergency scenario to identify actions necessary to mitigate the emergency.
- 2.0 **CONTINUING ACTIONS**
- 2.1 **MAINTAIN** radio contact with the response teams using frequency EP-A.
- 2.2 **MAINTAIN** Form EP(123) OSC-5, Radiation Protection Team Tracking.
- 2.3 **RECORD** all survey data received from Response Teams.
- 2.4 **INSTRUCT** teams **AND MAINTAIN** concise and professional communications. **REPEAT** back critical information to ensure accuracy.

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- 2.5 **COORDINATE** with other OSC Leads in assembly of repair and survey teams, team briefings, and tracking of team progress.
- 2.5.1 **COORDINATE** RP support of operators dispatched from the Control Room.
- 2.5.2 **CONDUCT** briefings/debriefings.
- 2.5.2.1 **PROVIDE** radiological information to personnel leaving the TSC/OSC.
- Backout conditions
 - Protective clothing requirements
 - Respirator requirements
 - Radiological areas to avoid
- 2.5.3 **EVALUATE** tasks **AND SELECT** team personnel.
- 2.5.3.1 **REVIEW** missions to determine RP coverage, protective equipment requirements, remaining exposure, LHRA entries, etc.
- 2.5.3.2 **VERIFY** team members are qualified for missions that require respiratory protection.
- 2.5.3.3 **ASSEMBLE AND DISPATCH** teams to acquire samples, including PASS, when directed.
- 2.5.3.4 **CONTROL** movement of RP survey teams through the team leader.
- 2.5.4 **COMPLETE** the dispatching section of the Team Dispatch Form.
- 2.5.5 **PROVIDE** a copy of the Team Dispatch/Tracking Form to the Team Leader.
- 2.5.6 **POST** a copy of EP(123) 4-G, Dispatch Checklist on the Team Tracking Status Board.
- 2.5.7 **INSTRUCT** the Team Leader to pick up and test a radio from the OSC or obtain a cell phone.
- 2.5.8 **INSTRUCT** the Team Leader to report arrival time at the designated location.
- 2.5.9 **NOTIFY** the Emergency Group Leader an RP Technician has been assigned to an operations team for a particular task.

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- 2.5.10 **INSTRUCT** the Team Leader to report work status.
- 2.5.11 **ESTABLISH** communications with team leaders and keep them informed of changing plant conditions while the team is in the plant.
- 
2.5.12 **CONTACT** team leaders approximately every 30 minutes for status of work and team safety.
- 2.5.13 **OBTAIN AND TRACK** doses of all personnel dispatched into the plant.
- 2.5.14 **FILE** the completed Team Dispatch Form with the Emergency Group Leader.
- 2.6 **ENSURE** personnel assigned to dosimetry issue maintain exposure and dose-tracking records of response teams dispatched from the OSC, and all personnel assigned to Emergency Response Facilities.
- 2.7 **INTERFACE** with the Emergency Group Leader and the Chemistry Coordinator to coordinate Chemistry/RP coverage for OSC teams.
 - 2.7.1 **PROVIDE** periodic updates of team status to the OSC Emergency Group Leader and Chemistry Coordinator.
 - 2.7.2 **PROVIDE** periodic updates on plant conditions to the Chemistry Coordinator.
- 2.8 **ENSURE** personnel utilize current Radiological Qualification Report for exposure tracking and respiratory qualifications of response personnel.
- 2.9 **ENSURE** personnel who may receive exposures in excess of 10 CFR 20 limits have been authorized.
- 2.10 IF personnel exceed normal administrative limits, THEN **NOTIFY** the RP Coordinator.
- 2.11 Upon the Emergency Group Leader's instructions to form a team, **WORK** with the appropriate OSC Coordinator or Supervisor to dispatch the Response Team.
- 2.12 **ASSIST** in keeping the status board current.
- 2.13 **ENSURE** that the OSC Radio is staffed AND **ASSIST** with radio communications.
- 2.14 **PERFORM** the following for Response Team activities in areas of increased radiological hazards.

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- 2.14.1 For Response Teams that require emergency exposure authorization, **PERFORM** the following:
 - 2.14.1.1 **SUPERVISE** planning Response Teams requiring emergency exposure authorization.
 - 2.14.1.2 **MAINTAIN** direct supervision and oversight of planned Radiation Protection controls for the teams.
 - 2.14.1.3 **ATTEND** briefing and debriefing for the teams.
 - 2.14.1.4 **MAINTAIN** responsibility for the teams' communications.
- 2.15 **MAINTAIN** continuous accountability of all RP personnel assigned to the OSC.
- 2.16 **COORDINATE** activities for facility relocation EP(123) OSC-2, OSC Relocation Checklist.
- 2.17 Upon event termination, **ENSURE** all items have been returned to a state of readiness.
 - 2.17.1 **COMPLETE** all checklist items.
 - 2.17.2 **RETURN** the workstation to its original condition.
 - 2.17.3 **RETURN** all position notebooks to their storage location.
 - 2.17.4 **RETURN** any emergency response equipment to its original location.
 - 2.17.5 **PROVIDE** all paperwork to the Emergency Group Leader.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 3.0 through 14.0 provide supplemental instructions for performing the OSC Radiation Protection Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

3.0 ACTIVATION

- 3.1 **DIRECT** RP personnel assigned to the OSC to log into the Protected Area Personnel Accountability (PAPA).
- 3.2 **DIRECT** RP Field Team personnel to log on to the Integrated Health Physics System (IHPS) Emergency Response activity.
- 3.3 **DISPATCH** RP Technicians qualified to provide high radiation job coverage for Control Room dispatched Operations teams.
 - 3.3.1 **DIRECT** an RP Technician to meet the Primary Equipment Operator in the Control Room and a second RP Technician to meet the Radwaste Primary Equipment Operator in the Radwaste Control Room.
 - 3.3.2 IF radiological conditions do **NOT** warrant RP coverage, THEN **RECALL** RP Technicians for other functions.
 - 3.3.3 IF the RP Technicians are recalled, THEN **INFORM** the Operations Leader or Shift Manager (SM).

4.0 **TOXIC GAS EVENT**

4.1 **WHEN** notified of a toxic gas event, **THEN COMPLETE** the following:

CAUTION

1. **SCBA cylinders must be changed out before they go empty to avoid life-threatening situations to the wearer and maintain the Control Room habitability staffing commitment. The rate at which change out will be required depends upon each individual's air consumption rate. The SCBA low pressure alarm and pressure gauge should be used to aide in determining when to change out the cylinders. Too frequent change out could result in depleting the Control Room Air Reserves faster than the design bases.**
2. **Refilling of the empty SCBA cylinders must take place within four hours to permit the Control Room air reserves to support habitability for greater than the six hour design.**



4.1.2 **WHEN** notified of a toxic gas event, **THEN** within 30 minutes **ASSIGN AND DISPATCH** a sufficient number of SCBA-qualified RP personnel to ensure SCBA cylinders are changed out to maintain Control Room habitability staffing commitments.

4.1.3 **REMOVE** the empty cylinders to a location personnel can retrieve them for refilling without donning a SCBA.




4.1.4 **WITHIN** two hours of notification of a toxic gas event, **CALL** in sufficient Dosimetry Personnel to refill SCBA cylinders and shuttle cylinders between the Mesa SCBA refilling station and Protected Area.

4.1.5 **ENSURE** Dosimetry Personnel are informed to whom and where they are to report to be briefed on the toxic gas situation and the cylinder retrieval location. The shuttle should be used to maximize the transport of full and empty cylinders between the Protected Area and Mesa to maintain the Control Room air reserves.

4.2 **IF** the Technical Support Center (TSC) RP Leader has **NOT** arrived at the TSC, **THEN ENSURE** Steps 4.3 through 4.7 are performed, **OTHERWISE GO TO** Step 4.8.

4.3 **REPORT** to the SM/Station Emergency Director (SED).

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4.4 Radiological Airborne Release

4.4.1 IF a radiological airborne release occurs, THEN **PERFORM** the following:

4.4.1.1 **OBTAIN** a gross activity source term in accordance with SO123-VIII-40.100, Dose Assessment, or when available, an isotopic source term from the TSC Technical Leader.

4.4.1.2 **PERFORM** dose assessment in accordance with SO123-VIII-40.100.

CAUTION

The Self-Reading Dosimeter (SRD) correction factor calculated by the Dose Assessment Computer or SO123-VIII-40.100 is based upon EAB dose rates and may result in underestimating TEDE for emergency workers.

4.4.1.3 IF a release is in progress, THEN **DETERMINE** the SRD correction factor by using actual in plant air sample results (Committed Effective Dose Equivalent [CEDE]) compared to gamma dose rates, SO123-VIII-40.100, Dose Assessment, or the Dose Assessment Computer.

4.4.1.4 IF SRD correction factors are **NOT** available, THEN **USE** an SRD correction factor of one (1) if fuel cladding integrity is intact or five (5) if cladding integrity is unknown or lost.

4.4.1.5 **DISPATCH** an RP Offsite Monitoring Team to collect data to characterize the plume.


4.4.1.6 IF field monitoring results do **NOT** match the calculated dose projections, THEN **REFINE** the dose projections, by performing a calculation using field monitoring results, or account for the differences.

4.4.1.7 **PROVIDE** EAB dose projections to the SM/SED for event classification and protective action recommendations.

4.4.1.8 **PROVIDE** Site Assembly Area dose projections to the SM/SED for onsite protective actions.


4.4.1.9 **USE** the SRD correction factor to assist in determining the TEDE for response teams.

4.4.1.10 **INFORM** the Emergency Response Organization of wind direction and radiological plume conditions. This information may be relayed via the Ivory Phone Talker.

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- 4.4.2 **PROVIDE** initial and periodic updates of radiological information to the Emergency Response Organization.
- 4.4.2.1 **ENSURE** the Operations Leader receives this information. This information may be relayed via the Ivory Phone Talker.
- 4.4.2.2 **PROVIDE** radiological information to the Security Leader (SL) for oncoming workers.
- 4.4.3 **REVIEW** Category A of SO123-VIII-1, Recognition and Classification of Emergencies **AND INFORM** the SM/SED when conditions change which may affect the event classification.
- 4.4.4 **IF** a Site Evacuation is required, **THEN INFORM** the SM/SED, Security Leader, and Administrative Leader of the safest evacuation route based upon available radiological data.
- 4.4.5 **IDENTIFY**, to the Security Leader, parking lots which are known or likely to have vehicle contamination for the purpose of closing down the parking lots and preventing the use of the vehicles for evacuation.
- 4.4.6 **IF** RP protective measures (e.g., access control, protective clothing, contamination control, etc.) cause or could cause an increased hazard to personnel or the public, **THEN MODIFY OR WAIVE** Radiation Protection procedures with the concurrence of the TSC RP Leader.
- 4.4.7 **INFORM** SM/SED of any waiving or modification of contamination control methods.
- 4.5 **WHEN** an RP Leader arrives at the TSC, **THEN**:
 - 4.5.1 **CONDUCT** turnover with the oncoming Radiation Protection Leader in accordance with Form EP(123) 5, Turnover Status.
 - 4.5.2 **RECORD** completion of the turnover in the OSC RP Coordinator Log.
 - 4.5.3 **REPORT** completion of turnover to the TSC and OSC Emergency Planning Coordinators.
- 4.6 **IF** the event is a Loss of Coolant Accident (LOCA) or Excessive Steam Demand Event (ESDE) in containment **OR IF** directed by the SM/SED, **THEN PERFORM** the pre-planned alternate method for monitoring containment radiation levels (Reference SO123-VII-20.9.5, Alternate Pre-Planned Methods for Radiation Monitors).

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4.7 **MONITOR** containment radiation levels approximately every 30 minutes, or as directed by the SM/SED or Radiation Protection Leader.

4.7.1 **REPORT** containment radiation levels to the Control Room and other Emergency Response Facilities.

4.8 **REPORT** to the Emergency Group Leader.

4.8.1 **ENSURE** the following required tasks are covered before assigning personnel to other tasks:

4.8.1.1 **PERFORM** dose assessment. This task will be performed by the RP Coordinator until recall personnel arrive.

4.8.1.2 **PERFORM** onsite (owner-controlled area) and offsite radiological surveys in accordance with (IAW) assignments.

4.8.1.3 **ENSURE** the following radiation protection tasks are performed IAW assignment:

- Access control
- Job coverage
- Personnel monitoring
- Dosimetry issue
- In-plant surveys


4.8.1.4 **ESTABLISH** radio communication with in-field teams.

4.8.2 Personnel who do **NOT** have current Emergency Response Organization training may be used during drills or actual events; however, they shall be assembled and evacuated in a simulated or actual site evacuation.

4.9 **DISPATCH** personnel in accordance with Section 11.0, Response Teams.

4.10 **MAINTAIN** a log of decisions and actions required by Emergency Plan Implementing Procedures (EPIPs).

4.10.1 **DOCUMENT** conditions, events, and communications wherever appropriate to ensure a complete and adequate record, to minimize misunderstanding, and to identify items requiring followup actions.

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5.0 **EVACUATION**

5.1 Evacuation Hazards

- 5.1.1 IF any of the hazards listed below exist, **THEN INITIATE** a Local Area Evacuation by contacting the Emergency Group Leader and recommending a Local Area Evacuation.
- 5.1.1.1 **ADVISE** the Radiation Protection Leader of your recommendation.
- 5.1.2 IF dose rates outside the Protected Area (PA) or at Site Assembly Areas exceed 5 mrem/hr Deep Dose Equivalent (DDE), contamination levels exceed 1000 dpm/100 cm², OR airborne radioactivity exceeds 0.3 of a Derived Air Concentration (DAC), **THEN CONTACT** the Emergency Group Leader and recommend Site Evacuation of Non-Emergency Response Personnel.
- 5.1.2.1 **ADVISE** the Radiation Protection Leader of your recommendation.
- 5.1.3 IF any of the hazards listed below in Step 5.1.4 affect major portions of the Protected Area or Owner Controlled Area, **THEN CONTACT** the Emergency Group Leader **AND RECOMMEND** a Site Assembly or Evacuation.
- 5.1.4 IF any of the hazards listed below affect a major portion of the Mesa Area, **THEN CONTACT** the Emergency Group Leader **AND RECOMMEND** a Mesa Area Assembly or Evacuation.
- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
 - Spills of radioactive material which may result in excessive personnel exposure
 - Fire in any occupied area
 - Toxic/flammable gases or heavy smoke reported
 - Chemical hazards to personnel
 - High pressure steam or water leaks
 - Security hazards which threaten personnel or equipment safety
- 5.1.4.1 **ADVISE** the Radiation Protection Leader of all recommendations.
- 5.1.5 **DISPATCH** technicians to the affected area to assess radiological hazards, monitor personnel or assist with emergency response (fire, medical, etc.).

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5.2 Local Area Evacuation

- 5.2.1 IF conditions may exceed 5 mrem/hr DDE, contamination levels exceed 1000 dpm/100 cm², OR IF airborne radioactivity exceeds 0.3 DAC at the OSC or security guard posts, THEN CONTACT the Emergency Group Leader to consider an evacuation of the affected locations to alternate response locations.
- 5.2.2 IF evacuation is **NOT** feasible, THEN INSTITUTE contamination controls **AND ISSUE** Self-Reading Dosimeters (SRDs)/electronic dosimeters to affected personnel.
- 5.2.3 IF the local area is the OSC, THEN:
 - 5.2.3.1 **CONSULT** with the RP Leader **AND DESIGNATE** the evacuation route/protective gear needed for transition to the alternate OSC.
 - 5.2.3.2 IF there are radiological concerns, THEN DISPATCH RP technicians to the evacuation route to assess radiological hazards and assist with the evacuation.
 - 5.2.3.3 **ESTABLISH AND POST** step-off pads and frisking stations at the alternate OSC entrance(s).
 - 5.2.3.4 **INFORM** response teams of the new OSC location.
 - 5.2.3.5 **TAKE** with you materials and equipment necessary to perform RP emergency response functions (e.g., procedures, forms, Protective Clothing, Respiratory Protective Equipment, Survey Instruments, etc.) at the alternate facility.
 - 5.2.3.6 **KEEP** all evacuees together, as much as possible.

6.0 **SITE AREA EMERGENCY/SITE ASSEMBLY**


- 6.1 IF a Site Area Emergency is declared OR Site Assembly is directed **AND IF** an unplanned radiological release occurs or is imminent, THEN ASSIGN technicians to monitor each of the following areas:
 - 6.1.1 Site Assembly Areas - **PROVIDE** radiological controls/guidance to assembled personnel at Site Assembly Areas (AWS Cafeteria, K50 Building, and G50 Cafeteria).
 - 6.1.2 Parking Lots - **MONITOR** for vehicle contamination prior to evacuation, if a radiological release has occurred.

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- 6.1.3 Security Processing Facilities (SPF and SSPF) - **PROVIDE** radiological controls/guidance to personnel entering the Protected Area.
- 6.1.4 Local Assembly Areas - As identified by the RP Leader, **PROVIDE** radiological controls/guidance to personnel if possible contamination occurs.
- 6.2 **PROHIBIT** eating, drinking or smoking in the Assembly Areas until cleared by RP surveys.
- 6.3 IF dose rates outside the Protected Area (PA) exceed 5 mrem/hr DDE, contamination levels exceed 1000 dpm/100 cm², OR IF airborne radioactivity exceeds 0.3 DAC, THEN CONTACT the RP Leader **AND RECOMMEND** site evacuation of non-emergency response personnel.
- 6.4 **CONSIDER** sending contaminated personnel to one of the personnel decontamination facilities at Units 2/3 or Mesa Medical, if staffed.
- 6.5 IF personnel and/or vehicles evacuated from SONGS are suspected or known to be contaminated, THEN INFORM the RP Leader.
- 6.6 IF contamination controls interfere with the safety of personnel during a site evacuation, THEN CONTACT the TSC RP Leader.
- 7.0 **RE-ENTRY INTO EVACUATED AREAS**
- 7.1 WHEN requested by personnel directing re-entry, THEN PROVIDE RP considerations and personnel to support re-entry efforts.
- 7.2 **DIRECT** food and water supplies inside the evacuated area be surveyed for contamination prior to consumption.
- 8.0 **PROTECTIVE ACTION RECOMMENDATIONS**
- 8.1 **PROVIDE** any information which may aid the TSC RP Leader in making offsite Protective Action Recommendations.
- 9.0 **EVENT CLASSIFICATION**
- 9.1 **ENSURE** all RP personnel are aware of any reclassification.
- 9.2 IF significant radiological changes occur, THEN ENSURE all Response Teams in the affected areas are aware of the changes.

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9.3 **ENSURE** the TSC RP Leader is promptly informed of any field survey data which could indicate the need to classify or reclassify an emergency.

10.0 **EXPOSURE CONTROL**

10.1 Administrative Controls

10.1.1 IF a Site Area Emergency is declared, a radioactive release occurs, or a significant increase in radioactive release occurs, **THEN PROHIBIT** eating or drinking in the OSC.

10.1.1.1 IF radiological conditions permit, **THEN RESTORE** eating or drinking.

10.2 Administrative Limits

10.2.1 Prior to dispatching teams to (potential) radiation areas, **CHECK** Response Team members' remaining exposure.

10.2.2 The OSC RP Coordinator may authorize annual exposures of 4000 mrem Total Effective Dose Equivalent (TEDE).

10.2.2.1 **NOTIFY** the TSC RP Leader/designee of all authorizations.

10.3 Emergency Exposure Authorization


10.3.1 As time permits, **DISTRIBUTE** Form EP(123) 3, Emergency Exposure Authorization, to volunteers.

10.3.2 **ENSURE** volunteers read and understand the sections on emergency exposure guidelines and the effects of acute radiation exposures.

10.3.3 IF a task to protect valuable property, save lives, or protect a large population would result in an exposure greater than 5 rem TEDE, **THEN INFORM** the Radiation Protection Leader, SED, or SM that the task will result in greater than 5 rem TEDE and emergency exposure authorization will be required.

10.3.4 IF authorization is given, **THEN OBTAIN** volunteers. Consider the following:

- Declared pregnant women (as certified by the individual) should **NOT** be selected.
- Other considerations being equal, the individual should be over age 45.

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10.3.5 **BRIEF** the individual on the following (IF practical, **HAVE** RP brief the individual on radiological conditions and dose information):

- Specific job
- Radiological conditions
- Protective measures
- Anticipated acute dose
- Exposure **NOT** to exceed 10 rem TEDE for protection of valuable property

10.3.6 In order to minimize internal exposure, **CONSIDER** the use of Potassium Iodide (in accordance with Section 11.7) and respiratory protection.

10.3.7 **OBTAIN** the following signatures on the Emergency Exposure Authorization, Form EP(123) 3, Emergency Exposure Authorization:

- Individual signs volunteer section and briefer section
- Individual who briefed the volunteer
- SM/SED

10.3.7.1 The SM/SED approval may be verbal. Following verbal approval, **FORWARD** the form to the SM/SED (either in the Control Room or TSC) for signature.

11.0 **RESPONSE TEAMS**

11.1 Task Tracking and Team Briefing:



11.1.1 For tasks that take less than ten minutes, are **NOT** within a hazardous area, and are **NOT** a mitigation effort, tracking should be by logbook entry.




11.1.2 For tasks that take greater than ten minutes, are **NOT** within a hazardous area, and are **NOT** a mitigation effort, **COMPLETE** Section 1 and 2 of the Dispatch Checklist, Form EP(123) 4-G, Dispatch Checklist.

11.2 Response Team Dispatch

11.2.1 **WHEN** the Emergency Group Leader has authorized a response team to be assembled, **THEN:**


11.2.1.1 **OBTAIN** Form EP(123) 4-G for teams performing Radiation Protection functions.

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- 11.2.1.2 **COMPLETE** job scope information in Section 1 and team member names in Section 2.
- 11.2.1.3 For all response teams, **PERFORM** the following:
 - 11.2.1.3.1 **USE** Form EP(123) OSC-4, Response Team Guidelines, when dispatching teams.
 - 11.2.1.3.2 **UTILIZE** SRD correction factors to determine dose limits. Correction factors are obtained from the TSC RP Leader.
 - 11.2.1.3.3 IF the Response Team members may be exposed to a radioactive plume and the SRD correction factor is **NOT** available, THEN USE an SRD correction factor of five to determine dose limits.
 - 11.2.1.3.4 **LIST** dose limits in Form EP(123) 4-G, Section 2, Team Personnel.
- 11.2.1.4 **ENSURE** Response Teams dispatched outside the Protected Area are issued TLDs.
- 11.2.1.5 For all teams, **RECORD** required Radiation Protection equipment needed in the Radiological Protective & Monitoring Equipment portion of Section 4, Form EP(123) 4-G, Dispatch Checklist.
 - 11.2.1.5.1 **DIRECT** team personnel to obtain the required instruments and equipment from emergency kits or normal issue locations.
 - 11.2.1.5.2 **ENSURE** the survey instruments are response checked prior to use.
 - 11.2.1.5.3 **OBTAIN** additional instrumentation and equipment.
- 11.2.1.6 **BRIEF** all teams on the radiological conditions and controls required **AND COMPLETE** the Radiation Protection Briefing portion of Section 4, Form EP(123) 4-G.
 - 11.2.1.6.1 **OBTAIN** information on radiological releases and area radiation monitor readings from the TSC.
 - 11.2.1.6.2 IF there is a potential for significant personnel exposure, THEN CONSIDER developing a specific exposure control plan following the guidelines in SO123-VII-20.10, Radiological Work Planning.
- 11.2.1.7 IF the team will perform a Radiation Protection function, THEN COMPLETE Form EP(123) 4-G Section 3, Craft Briefing, **OBTAIN** Emergency Group Leader approval, **DISPATCH** the Response Team, **AND RECORD** in Form EP(123) 4-G, Section 5.
 - 11.2.1.7.1 **DISTRIBUTE** the checklist in accordance with copy distribution on Form EP(123) 4-G.

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- 11.2.1.8 **IF** the team will **NOT** be performing Radiation Protection functions, **THEN PROVIDE** Form EP(123) 4-G to the responsible organization to complete Section 3, Craft Briefing.
- 11.2.2 **WHEN** the team returns to the OSC, **THEN**:
- 11.2.2.1 **IF** the team performed a Radiation Protection function, **THEN DEBRIEF** the team **AND RECORD** pertinent information on Form EP(123) 4-G, Section 6, Debrief.
- 11.2.2.2 **INFORM** the RP Coordinator and the EPC of the team return.
- 11.2.2.2.1 **RETRIEVE** the copies of Form EP(123) 4-G from the RP Coordinator and the EPC.
- 11.2.2.3 **PROVIDE** the completed Form EP(123) 4-G to the OSC Emergency Planning Coordinator.
- 11.3 Team Tracking
 - 11.3.1 **PROVIDE** the Response Teams accompanied by RP support with general guidance and direction while in the field.
 - 11.3.2 **MAINTAIN** radio or telephone contact with dispatched Response Teams.
 - 11.3.3 **ENSURE** all radiological data is recorded and all significant data are reported to the RP Leader.
- 11.4 Rapid Dispatch of OSC Teams
 - 11.4.1 **ENSURE** an RP Technician is included in the Response Team IAW briefing/situation.
 - 11.4.1.1 **PROVIDE** a radio and a general purpose dose rate instrument, IAW briefing/situation.
 - 11.4.1.2 **INSTRUCT** the RP Technician to limit personnel exposure to 4000 mrem TEDE until informed of new dose limitations.
 - 11.4.2 **WHEN** the Emergency Group Leader dispatches the team, **THEN**:
 - 11.4.2.1 **ASSIST** the Emergency Group Leader in the completion of Form EP(123) 4-G, Dispatch Checklist.

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11.4.2.2 **AUTHORIZE** dose extensions for response team members in accordance with Step 10.2.

11.4.2.3 **BRIEF** the team on radiological conditions via telephone, radio, or in person.

11.4.2.3.1 **INFORM** the Rapid Deployment Team of any changes to their dose limits.

11.5 Monitoring Emergency Response Facilities

11.5.1 **ENSURE** the OSC, TSC, and Control Rooms are regularly surveyed for contamination, airborne radioactivity, and radiation.

11.5.2 **ENSURE** the TSC air envelope is continuously monitored for airborne radioiodine, using installed systems or portable monitors.

11.5.2.1 **IF** the primary method of monitoring fails, **THEN PROVIDE** backup monitoring **AND NOTIFY** the Maintenance Coordinator in the OSC.

11.5.3 **ENSURE** a frisker or other alarming detector is placed in the TSC and OSC with the alarm set to provide occupants with early warning of radiological problems.

11.5.4 **IF** an unplanned radiological release occurs or is imminent, **THEN PERFORM** surveys to monitor for contamination outside of radiologically controlled areas.

11.5.4.1 **IF** resources are **NOT** available to perform these surveys, or if contamination is detected outside radiologically controlled areas, **THEN POST** step-off pads for the entrances to the OSC, TSC, and Control Rooms (CRs).

11.5.4.2 **MONITOR** the OSC, TSC, and CR radiation and airborne radioactivity continuously using a frisker.

11.5.4.2.1 **IF** the frisker indicates rising radiation levels or if the frisker alarms, **THEN PERFORM** radiation and airborne radioactivity surveys.


11.5.4.3 **PERFORM** periodic radiation and airborne radioactivity surveys. Frequency should be based upon plant and radiological conditions.



11.5.4.4 **PERFORM** contamination surveys every 30 minutes or determine the frequency based upon plant and radiological conditions.

11.5.4.5 Contamination controls may be relaxed **WHEN** areas outside the RCA are determined to be free of contamination.

11.5.5 **NOTIFY** the TSC RP Leader of any changes in the radiological environment.

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11.6 Contaminated Injury


- 11.6.1 IF an injury occurs in a radiologically controlled area, THEN **DISPATCH** RP Technician(s) to the scene of the injury.
- 11.6.2 **DIRECT** RP personnel to coordinate actions with the Fire Department Incident Commander at the scene.
- 11.6.3 IF the individual is suspected or known to be contaminated, THEN:
 - 11.6.3.1 **ASSIGN** an RP Technician to accompany the ambulance to the hospital, or to the SCE Medical Facility.
 - 11.6.3.2 **ASSIGN** additional RP Technicians to follow the ambulance as backup crew.
 - 11.6.3.3 **PROVIDE** the backup crew with additional instructions, briefings and procedures, as time permits.
 - 11.6.3.4 **DOCUMENT** contamination levels on persons transported offsite in accordance with the RP procedures or on the Radiological Information attachment of SO123-XIII-4.10.4, Fire Department Medical Response Procedures. The attachment is available from the Fire Department Incident Commander.
 - 11.6.3.5 **ENSURE** survey results of the contaminated individual(s) is forwarded to the receiving facility.

11.7 Use of Potassium Iodide (KI)

WARNING


DO NOT administer KI to individuals who are known or suspected to be allergic to KI or have a history of thyroid disease, without authorization of a physician.

- 11.7.1 IF emergency response personnel have been OR will be exposed to a Thyroid CDE in excess of 10 rem, THEN **CONSIDER** the use of KI for emergency personnel.
 - 11.7.1.1 IF KI is required, THEN **COORDINATE** with the TSC Radiation Protection Leader, EOF Radiation Protection Leader, and/or the SM, for distribution.

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- 11.7.1.2 IF the EOF RP Leader position is **NOT** yet staffed, THEN the TSC RP Leader may authorize issuance of KI to EOF and/or offsite personnel.
- 11.7.2 Before issuing KI, the potential for the recipient to be allergic to KI should be assessed.
- 11.7.2.1 IF time permits, THEN **SEEK** the council of the designated or alternate Edison Physician to assess the potential for the recipient to be allergic.
- 11.7.2.2 IF time does **NOT** permit, THEN the potential for an allergy to KI should be assessed by the OSC RP Coordinator or designee.
- 11.7.2.3 **ASK** the recipient if he/she is aware of an existing allergy to potassium or iodine.
- 11.7.2.4 **ASK** the recipient if he/she is allergic to shellfish. An existing allergy to shellfish, which are high in natural iodine, is a potential indicator of an existing allergy to iodine.
- 11.7.3 Before administering subsequent doses of KI, **REFER** the recipient to a physician for a follow up assessment of an allergic reaction.
- 11.7.3.1 For maximum thyroid blocking, **CONTINUE** administration of KI for 7-10 days following an actual uptake of radioiodine.
- 11.7.3.2 **NO** more than 10 total doses of KI (130 mg each) shall be authorized.
- 11.7.4 **ENSURE** the data listed below is documented on Form EP(123) ERO-3, Authorization to Issue Potassium Iodide, for each individual authorized to be issued KI:
- Name and Personnel Number or social security number of authorized recipient.
 - Calculation of avoided CDE Thyroid dose which justifies the prescription of KI.
- 11.7.5 **OBTAIN** KI tablets from Emergency Kits **AND DISPENSE NO** more than one tablet of KI per individual per day.
- 11.7.5.1 Owner Controlled Area (OCA) Field Monitoring Teams Emergency Kits contain KI. Monitoring Team members may be instructed on the issuance of KI while dispatched.
- 12.0 **FIRE**
- 12.1 **DISPATCH** an RP Technician to the fire location to perform necessary surveys and control contamination.
- 12.2 **DIRECT** the RP Technician to coordinate actions with the Emergency Services Incident Commander at the scene.

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13.0 **SUSPENSION OF RADIATION PROTECTION MEASURES**

13.1 **IDENTIFY** the need to waive or modify RP protective measures (e.g., access control, protective clothing, contamination control, etc.) to facilitate emergency response or decrease the hazard to personnel or the public.

13.2 **REQUEST** the TSC RP Leader to approve waiving or modifying identified RP protective measures.


14.0 **TURNOVER**

14.1 **WHEN** the oncoming RP Coordinator arrives at the OSC, **THEN**:

14.1.1 **CONDUCT** turnover with the oncoming RP Coordinator in accordance with Form EP(123) 5, Turnover Status.

14.1.2 **RECORD** completion of the turnover in the RP Coordinator Log.

14.1.3 **REPORT** completion of the turnover to the Emergency Planning Coordinator.

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OSC Radiation Protection Technician Checklist

Attachment 3

POSITION CHECKLIST

NOTE


Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

- 1.1 WHEN ready to perform your ERO duties, THEN **SIGN-ON** to the OSC minimum staffing board
- 1.2 **LOG** into the Protected Area Personnel Accountability (PAPA) system.
- 1.3 **TEST** all portable radiation monitoring equipment used in the OSC.
- 1.4 **SET UP AND CHECK** air and dose rate monitoring equipment in the OSC.
- 1.5 **PERFORM** initial habitability surveys for OSC and TSC. **NOTIFY** TSC RP Leader and OSC RP Coordinator of results.

2.0 CONTINUING ACTIONS

- 2.1 IF an unplanned radiological release occurs or is imminent, THEN **PERFORM** surveys to monitor for contamination of the OSC **AND UPDATE** the OSC survey maps.
- 2.2 IF there is a change in radiological conditions, THEN **NOTIFY** the RP Coordinator immediately.
- 2.3 IF contamination greater than 1000dpm/100cm² is detected outside the radiological controlled area, THEN **POST** step-off pads for the entrances to the OSC, TSC, and CR.
- 2.4 **MONITOR** the OSC radiation and airborne radioactivity using a frisker.
- 2.5 IF the frisker indicates rising radiation levels **OR IF** the frisker alarms, THEN **NOTIFY** RP Coordinator **OR PERFORM** radiation and airborne radioactivity surveys.
 - 2.5.1 **PERFORM** radiation airborne surveys.
- 2.6 Immediately **REPORT** the results to the RP Coordinator.
- 2.7 **PERFORM** radiation and airborne radioactivity surveys at the frequency specified by the RP Coordinator.

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- 2.8 **PERFORM** contamination surveys every 30 minutes or as directed by the RP Coordinator.
- 2.9 IF evacuation is **NOT** feasible, THEN INSTITUTE contamination controls **AND ISSUE** SRDs/electronic dosimeters to affected personnel, as directed by the RP Coordinator.
- 2.10 **ASSIST** the RP Coordinator.

POSITION CHECKLIST

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NOTE

1. Sections 8.0 through 13.0 provide supplemental instructions for performing the OSC Chemistry Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) 4-G, Dispatch Checklist


1.2 WHEN ready to perform your ERO duties, THEN **SIGN-ON** to the OSC minimum staffing board

1.3 **LOG** into the Protected Area Personnel Accountability (PAPA) system.

1.4 **ESTABLISH** a log using Form EP(123) 6, Log Book.


1.5 **ENSURE** Count Room MCA is energized and calibrated. IF NOT calibrated, THEN **PERFORM** calibration. IF Count Room MCA is NOT available, THEN **UTILIZE** the MCA in the North Industrial Area (NIA).

1.6 **INFORM** Emergency Group Leader (EGL) of any malfunctions.

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- 1.7 **REPORT** to the EGL in the OSC and the Technical Leader in the Technical Support Center (TSC).
- 2.0 **ACTIVATION**
- 2.1 **INFORM** TSC and Control Room of current and forecasted sampling and analysis activities, including any available sample results.
- 2.2 **DISPATCH** technicians using Form EP(123) 4-G, Dispatch Checklist.
- 2.3 **IF** additional chemistry technicians are required, **THEN CALL** in additional personnel.
- 2.4 **DIRECT** personnel who may be dispatched to:
 - **OBTAIN** dosimetry
 - **SIGN ONTO** the Emergency Response Radiation Exposure Permit
 - **OBTAIN** IHPS personnel summary sheets
 - **BADGE** into the Protected Area Personnel Accountability (PAPA) system
- 2.4.1 **REMIND** personnel to badge back into the system upon returning from field assignments when they used another card reader.
- 2.5 **IF** sampling requests were received prior to OSC activation, **THEN VERIFY** the requests with the affected Control Room Supervisor or Operations Leader. **IF** any of these requests are still in progress, **THEN DOCUMENT** the team dispatch on Form EP(123) 4-G, Dispatch Checklist.

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3.0 **EVACUATION**

3.1 IF any of the hazards listed below affect a major portion of the Mesa Area, THEN CONTACT the EGL **AND RECOMMEND** a Mesa Area assembly or evacuation.

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire in any occupied area
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety

3.2 Evacuation Hazards

3.2.1 IF any of the hazards listed below Step 3.1 exist, THEN CONTACT the EGL **AND RECOMMEND** a Local Area Evacuation.

3.2.2 IF any of the hazards listed below Step 3.1 affect major portions of the Protected Area or Owner Controlled Area, THEN CONTACT the EGL **AND RECOMMEND** a Site Assembly or Evacuation.

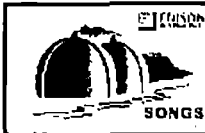
3.3 Local Area Evacuation

3.3.1 IF the local area is the OSC, THEN PROCEED to the alternate OSC as directed by the EGL and Radiation Protection.

3.3.2 **TAKE** with you the materials and equipment necessary to perform emergency response functions at the alternate facility.

3.4 Re-Entry Into Evacuated Areas

3.4.1 WHEN requested by personnel directing re-entry, THEN PROVIDE personnel to support Emergency Services needs.



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4.0 **EMERGENCY RESPONSE COORDINATION**

4.1 Sample Requests

- 4.1.1 **IF** conflicting sampling requests are received, **THEN REQUEST** the EGL and the TSC Technical Leader (when the TSC is activated) to establish sampling priorities.
- 4.1.2 **PREPARE** Form EP(123) 4-G, Dispatch Checklists, in accordance with Section 10.2, Response Teams.
- 4.1.3 **ENSURE** Chemistry Technicians observe proper practices while performing sampling and analysis.
- 4.1.4 **PROVIDE** the sample results to the TSC Technical Leader.

4.2 Response Teams

- 4.2.1 **WHEN** directed by the EGL to assemble a response team, **THEN:**
 - 4.2.1.1 **OBTAIN** form **AND DISPATCH** using Form EP(123) 4-G, Dispatch Checklist.
 - 4.2.1.2 **COMPLETE** sections 1 and 2.
 - 4.2.1.3 **BRIEF** the team **AND COMPLETE** Section 3, Craft Briefing, of the checklist.
 - 4.2.1.4 **IF** heavy smoke and/or visual obstruction is anticipated, **THEN DIRECT** the team to use life lines.
 - 4.2.1.5 **WHEN** radiological conditions are present, **THEN COMPLETE** Section 4, RP Briefing.
- 4.2.2 **WHEN** the team is assembled, **THEN OBTAIN** EGL approval and dispatch the response team. **RECORD** time in Section 5 on the checklist.
- 4.2.3 **DISTRIBUTE** the checklist per the copy distribution on the form.
- 4.2.4 **NOTIFY** ERO members in the field of changing radiological conditions.
- 4.2.5 **WHEN** the team returns to the OSC, **THEN:**
 - 4.2.5.1 **DEBRIEF** the team **AND RECORD** pertinent information in Section 6, Debrief, of the checklist.

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4.2.5.2 **INFORM** the RP Coordinator and the EPC of the team return.

4.2.5.3 **RETRIEVE** the copies of the checklist provided to the RP Coordinator and the EPC.

4.2.5.4 **PROVIDE** the completed checklist to the OSC Emergency Planning Coordinator.

5.0 **POST-ACCIDENT SAMPLING**

5.1 **EVALUATE** all applicable methods of post-accident parameter sampling **AND COORDINATE** with Radiation Protection to ensure that personnel are properly protected.

5.2 **PROVIDE** Sample Results to the TSC Technical Leader, as requested.

5.3 Count Room Coordination

5.3.1 **COORDINATE** delivery to the Count Room for all samples requiring onsite analysis.

5.3.2 **ENSURE** samples are clearly identified prior to analysis.



5.3.3 **DIRECT** qualified personnel to count environmental samples with a Multi-Channel Analyzer for a minimum of 300 seconds. **DISPATCH** using Section 4.2.

5.3.4 **IF** analysis of environmental samples is required and the Multi-Channel Analyzer is **NOT** available due to a risk of cross contamination, high background or excessive analysis times, **THEN CONTACT** the EOF RP Leader to arrange for analysis of samples in the EOF counting room or shipment offsite for analysis.

5.4 **ENSURE** a record of all samples is maintained by the Count Room technician and each sample is clearly labeled for later identification and retained.


5.5 Sample Storage and Moving

5.5.1 Samples may be stored in the Counting Room, in the RCS Sample Room, or moved to alternate locations in the Rad Waste Building for exposure control.

5.5.2 **MARK** each sample for later identification.

5.5.3 **MOVE OR SHIP** samples according to applicable Radiation Protection procedures.

6.0 **TURNOVER**

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6.1 WHEN a relief Chemistry Coordinator arrives at the OSC, THEN:

6.1.1 **CONDUCT** turnover with the oncoming Chemistry Coordinator per Form EP(123) 5, Turnover Status.


6.1.2 **RECORD** completion of the turnover in the Chemistry Coordinator Log.

6.1.3 **REPORT** completion of the turnover to the Emergency Planning Coordinator

7.0 RECOVERY

7.1 Recovery Initiation

7.1.1 WHEN requested by the TSC Technical Leader, THEN RECOMMEND additional Chemistry personnel and equipment necessary for a recovery organization

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 8.0 through 13.0 provide supplemental instructions for performing the OSC Chemistry Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

8.0 ACTIVATION


- 8.1 **INFORM** TSC and Control Room of current and forecasted sampling and analysis activities, including any available sample results.
- 8.2 **ESTABLISH** sampling priorities with input from EGL and TSC.
- 8.3 **DISPATCH** technicians using Form EP(123) 4-G, Dispatch Checklist.
- 8.4 **CONDUCT** turnover with the oncoming Chemistry Coordinator per Form EP(123) 5, Turnover Status.
- 8.5 IF additional chemistry technicians are required, THEN CALL in additional personnel.
- 8.6 **DIRECT** personnel who may be dispatched to:
 - **SIGN ONTO** the Emergency Response Radiation Exposure Permit
 - **OBTAIN** dosimetry
 - **OBTAIN** IHPS personnel summary sheets
 - **BADGE** into the Protected Area Personnel Accountability (PAPA) system
- 8.7 **MAINTAIN** communications with the TSC Technical Leader to provide required chemistry information AND ACCEPT requests for sampling.

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- 8.8 IF sampling requests were received prior to OSC activation, THEN VERIFY the requests with the affected Control Room Supervisor or Operations Leader. IF any of these requests are still in progress, **DOCUMENT** the team dispatch on Form EP(123) 4-G, Dispatch Checklist.
- 8.9 **DIRECT** Chemistry personnel assigned to the OSC to badge into the PAPA system upon arrival. **REMIND** personnel to badge back into the system upon returning from field assignments when they used another card reader.
- 8.10 **MAINTAIN** a log of all decisions and actions required by Emergency Plan Implementing Procedures (EPIPs). **PROVIDE** documentation of conditions, events, and communications wherever appropriate to ensure a complete and adequate record, to minimize misunderstanding, and to identify items requiring follow-up actions.
- 9.0 **EVACUATION**
- 9.1 Evacuation Hazards
- 9.1.1 IF any of the hazards listed below Step 9.1.3 exist, THEN INITIATE a Local Area Evacuation OR CONTACT the EGL AND RECOMMEND a Local Area Evacuation.
- 9.1.2 IF any of the hazards listed below Step 9.1.3 affect major portions of the Protected Area or Owner Controlled Area, THEN CONTACT the EGL AND RECOMMEND a Site Assembly or Evacuation.
- 9.1.3 IF any of the hazards listed below affect a major portion of the Mesa Area, THEN CONTACT the EGL AND RECOMMEND a Mesa Area assembly or evacuation.
- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
 - Spills of radioactive material which may result in excessive personnel exposure
 - Fire in any occupied area
 - Toxic/flammable gases or heavy smoke reported
 - Chemical hazards to personnel
 - High pressure steam or water leaks
 - Security hazards which threaten personnel or equipment safety

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9.2 Local Area Evacuation

9.2.1 **IF** the local area is the OSC, **THEN PROCEED** to the alternate OSC as directed by the EGL and Radiation Protection.

9.2.2 **TAKE** with you the materials and equipment necessary to perform emergency response functions at the alternate facility.

9.3 Re-Entry Into Evacuated Areas

9.3.1 **WHEN** requested by personnel directing re-entry, **THEN PROVIDE** personnel to support Emergency Services needs.

10.0 **EMERGENCY RESPONSE COORDINATION**

10.1 Sample Requests

10.1.1 **IF** conflicting sampling requests are received, **THEN REQUEST** the EGL and the TSC Technical Leader (when the TSC is activated) to establish sampling priorities.

10.1.2 **PREPARE** Form EP(123) 4-G, Dispatch Checklists, in accordance with Section 10.2, Response Teams.

10.1.3 **ENSURE** Chemistry Technicians observe proper practices while performing sampling and analysis.

10.1.4 **PROVIDE** the sample results to the TSC Technical Leader, as requested.

10.2 Response Teams


10.2.1 **WHEN** directed by the EGL to assemble a response team, **THEN:**

10.2.1.1 **OBTAIN** Form EP(123) 4-G, Dispatch Checklist.

10.2.1.2 **COMPLETE** Sections 1 and 2.


10.2.1.3 **BRIEF** the team **AND COMPLETE** Section 3, Craft Briefing, of the checklist.

10.2.1.4 **IF** heavy smoke and/or visual obstruction is anticipated, **THEN DIRECT** the team to use life lines.

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- 10.2.1.5 WHEN radiological conditions are present, THEN COMPLETE Section 4, RP Briefing.
- 10.2.2 WHEN the team is assembled, THEN OBTAIN EGL approval and dispatch the response team. **RECORD** time in Section 5 on the checklist.
 - 10.2.2.1 **DISTRIBUTE** the checklist per the copy distribution on the form.
 - 10.2.2.2 **NOTIFY** ERO members in the field of changing radiological conditions.
- 10.2.3 WHEN the team returns to the OSC, THEN:
 - 10.2.3.1 **DEBRIEF** the team AND RECORD pertinent information in Section 6, Debrief, of the checklist.
 - 10.2.3.2 **INFORM** the RP Coordinator and the EPC of the team return.
 - 10.2.3.3 **RETRIEVE** the copies of the checklist provided to the RP Coordinator and the EPC.
 - 10.2.3.4 **PROVIDE** the completed checklist to the OSC Emergency Planning Coordinator.
- 11.0 **POST-ACCIDENT SAMPLING**
 - 11.1 **EVALUATE** all applicable methods of post-accident parameter sampling AND COORDINATE with Radiation Protection to ensure that personnel are properly protected.
 - 11.2 **PROVIDE** Sample Results to the TSC Technical Leader, as requested.
 - 11.3 Count Room Coordination
 - 11.3.1 **COORDINATE** delivery to the Count Room for all samples requiring onsite analysis. The Count Room technician should be dispatched and tracked using the In-House dispatch process.
 - 11.3.2 IF analysis of environmental samples is required and the Multi-Channel Analyzer is **NOT** available due to a risk of cross contamination, high background or excessive analysis times, THEN CONTACT the EOF RP Leader to arrange for analysis of samples in the EOF counting room or shipment offsite for analysis.
 - 11.3.3 **ENSURE** a record of all samples is maintained by the Count Room technician and each sample is clearly labeled for later identification.

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11.4 Sample Storage and Moving

11.4.1 Samples may be stored in the Counting Room, in the RCS Sample Room, or moved to alternate locations in the Rad Waste Building for exposure control.

11.4.2 **MARK** each sample for later identification.

11.4.3 **MOVE OR SHIP** samples according to applicable Radiation Protection procedures.

12.0 TURNOVER

12.1 WHEN a relief Chemistry Coordinator arrives at the OSC, THEN:

12.1.1 **CONDUCT** turnover with the oncoming Chemistry Coordinator per Form EP(123) 5, Turnover Status.

12.1.2 **RECORD** completion of the turnover in the Chemistry Coordinator Log.

12.1.3 **REPORT** completion of the turnover to the Emergency Planning Coordinator.

13.0 RECOVERY

13.1 Recovery Initiation

13.1.1 WHEN requested by the TSC Technical Leader, THEN RECOMMEND additional Chemistry personnel and equipment necessary for a recovery organization.

POSITION CHECKLIST

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NOTE

1. Sections 16.0 through 29.0 provide supplemental instructions for performing the OSC Security Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS


1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) 294, Personnel Accountability
- EP(123) 4-G, Dispatch Checklist
- EP(123) OSC-6, Site Evacuation
- EP(123) ERO-10, Emergency Information

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- 1.2 **WHEN** ready to perform your ERO duties, **THEN SIGN-ON** to the OSC minimum staffing board
- 1.3 **LOG** into the Protected Area Personnel Accountability (PAPA) system.
- 1.4 **REPORT** to OSC Emergency Group Leader (EGL).
- 1.5 **ESTABLISH AND MAINTAIN** a log using Form EP(123) 6.
- 1.6 **INFORM** EGL that ten (10) sets of security keys to Vital Area (VA) portals are available.
- 1.7 **IF** security keys are requested, **THEN ISSUE** keys **AND LOG** person's name, badge number, key set number, time issued, and time of return in Logbook/Key Log Report.
- 1.8 **OBTAIN** PAX phone from Emergency Kit **AND PLUG** it into modular plug labeled for security.
- 1.9 **REPORT** your arrival and PAX number in OSC to the Security Leader in TSC, Security Director in EOF, Central Alarm Station (CAS) Supervisor, and Secondary Alarm Station (SAS) Operator.
- 1.10 **OBTAIN** current SONGS Security Post Assignment roster.
- 1.11 For a Non-Security Alert or higher emergency class, **IMPLEMENT** Site Evacuation preparation steps in accordance with Form EP(123) OSC-6, Site Evacuation, Section 1.0.
- 1.12 **INFORM** Radiation Protection (RP) Coordinator of exact locations of security personnel assigned to stationary posts **AND UPDATE** the RP Coordinator of any changes
- 1.13 **NOTIFY** Security ERO members in the field of changing radiological conditions. [NN 202065874]
- 1.14 **VERIFY** EOF Security Liaison is assigned and implementing EOF Security Liaison Duties.
- 2.0 **CONTINUING ACTIONS**
- 2.1 **WHEN** directed by the Security Leader, **THEN INITIATE** recall of off-shift security personnel in accordance with existing Security instructions.
- 2.2 **PROVIDE** information on Form EP(123) ERO-10, Emergency Information, to staff at SPFs, North Access Gate, and Mesa Access Gate to update information status board as changes occur.

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OSC Security Coordinator Checklist


Attachment 5

- 2.3 IF there is a suspected bomb or other explosive device, THEN ADVISE security officers to direct personnel in immediate area to restrict radio transmissions, cellular phones, etc., for a minimum radius of 300 feet.
- 2.4 **PROVIDE** documentation of conditions, events, and communications to ensure a complete and adequate record, to minimize misunderstanding and to identify items requiring follow-up actions.
- 2.5 **CONTACT** SPF(s) and EOF Security post to determine IF any arriving ERO have declared alcohol consumption in the past five hours. IF so, THEN ADVISE the Security Leader of emergency response personnel (ERP) who have declared alcohol consumption within the last five hours are waiting entry into PA or EOF.
- 2.6 **REPORT** all security response actions to Security Leader in event Security Contingency Plan (SCP) is implemented in response to a security event.
- 2.7 IF emergency is reclassified, THEN ENSURE all security personnel are notified of reclassification, AND REPEAT Step 16.1 of this checklist.
- 2.8 Upon initial classification, event reclassification, or event close-out, **REVIEW** each subsection (17.0, 18.0, etc.) of this checklist to ensure all required steps are performed.
- 3.0 **PROTECTED AREA PERSONNEL ACCOUNTABILITY (PAPA) PROCESS**
- 3.1 For Alert or higher emergency classes or when directed by the Security Leader, **CALL** CAS at PAX 89123 AND HAVE them initiate the Emergency Accountability system.
- 3.2 IF a person is unable to badge in to an ERF card reader THEN manually **RECORD** that person's information on Form EP(123) 294, Personnel Accountability.
- 3.3 IF available, THEN REQUEST an in-house dispatch of an OSC team member (preferably a Security Officer) to go to CAS to obtain an updated Emergency Accountability Report.
- 3.4 **ENSURE** personnel permanently exiting OSC log out of PAPA-ERF system or accountability form.
- 3.5 **OBTAIN** list of Operations watch standers from Operations Coordinator AND LOG all on Form EP(123) 294, Personnel Accountability.
- 3.6 WHEN the Emergency Accountability system is unavailable or inoperable for Alert or higher emergency classes or when directed by the Security Leader, THEN PROVIDE all OSC Coordinators with Form EP(123) 294, Personnel Accountability, to initiate backup accountability of their personnel.

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4.0 **SITE EVACUATION**

- 4.1 **WHEN** a declared Security Event is in progress, **THEN INFORM** EGL Security personnel will **NOT** be able to support these activities.
- 4.2 **IF** a Site Evacuation has been ordered, **THEN PERFORM** the following steps:
- 4.2.1 **OBTAIN** status of emergency conditions from the Security Leader, contaminated areas, and direction of site evacuation.
 - 4.2.2 **NOTIFY** OCA Supervisor of Site Evacuation order, evacuation route, and to initiate activation steps of Form EP(123) OSC-6, Site Evacuation, Section 2.0.
 - 4.2.3 **REPORT** to the Security Leader when activation steps of Form EP(123) OSC-6, Site Evacuation, Section 2.0 have been completed.
 - 4.2.4 **REPORT** start of Site Evacuation to the Security Leader.
 - 4.2.5 **REPORT** completion of Site Evacuation to the Security Leader.
- 4.3 **DIRECT** security search teams or in-place personnel to sweep PA, OCA, and Mesa Area to ensure complete evacuation of site, **RETRIEVE** Safeguards Information material left unattended, **AND** promptly **IDENTIFY** discovered injured personnel to the Security Leader.
- 4.3.1 **ENSURE** security sweep teams are dispatched in accordance with Section 10.0, Security Team Dispatch.
 - 4.3.2 **REPORT** results of sweeps to the Security Leader.
 - 4.3.3 **DIRECT** Security sweep teams to turn in Safeguards Information to other Security personnel.
- 4.4 **PROVIDE** security support for re-entry efforts **AND COORDINATE** with the Security Leader.

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5.0 **MUTUAL AID**

5.1 IF off-site emergency vehicles or equipment are responding to SONGS, THEN:

- 5.1.1 **ENSURE** off-site responders are aware of any known radiological, chemical or biological hazards associated with response as provided by Emergency Services Coordinator.
- 5.1.2 **ENSURE** unimpeded entry of properly identified emergency response personnel and equipment per SO123-IV-5.4, Protected Area/Vital Area Emergency Vehicle/Personnel Access.
- 5.1.3 **ENSURE** emergency vehicles are directed to designated (PA) entry points.
- 5.1.4 **NOTIFY** EGL and security personnel of their arrival and destination.

6.0 **LOCAL AREA HAZARDS/LOCAL EVACUATION**


6.1 IF safety hazards exist (Fire, Smoke, Fumes, Radiological, etc.) which threaten personnel or equipment safety, THEN **CONTACT** Security Leader for instructions.

- 6.1.1 IF a safety hazard exists for Security personnel in a Hardened Defense Position (HDP), or other fixed post, THEN immediately **CONTACT** Security Leader **AND REQUEST** 50.54(x) approvals to relocate affected security post(s).
- 6.1.2 IF affected area is CAS or SAS, THEN **CONTACT** Security Leader for instructions.
- 6.1.3 IF requested, THEN **DISPATCH** security personnel to local area, **AND COORDINATE** with Team Leader.
- 6.1.4 **INFORM** Security Leader of all actions taken and times.

7.0 **SITE ASSEMBLY/PROTECTED AREA EVACUATION**

7.1 IF directed by Security Leader, THEN **COORDINATE** security personnel to perform the following:

- 7.1.1 **COLLECT** security photo-identification badges, visitor badges, and visitor escort badges from evacuating personnel from North SPF and South SPF badge drop containers.
- 7.1.2 **DIRECT** evacuating security personnel to retain Safeguards Information materials.

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7.2 Unless otherwise directed, **ENSURE** all personnel exiting PA and visitors proceed to proper assembly area as follows:

- North PA - AWS Multipurpose Room
- South PA - K-50 Building

7.2.1 WHEN directed by Security Leader, THEN DIRECT temporary closure of North SPF and/or South SPF except for facilitating PA entry/reentry of ERP and their emergency vehicles.

7.2.2 WHEN requested, THEN DIRECT Security Rover(s) to obtain an approximate count of privately owned vehicles parked in all parking locations, and inform Security Leader of counts, by location.

8.0 ACCOUNTABILITY



8.1 After 15 minutes following the SAE declaration, or request for accountability information by Security Leader, **DIRECT** CAS to generate a new Emergency Accountability Roster.

8.1.1 **VERIFY** radiological conditions and need for RP coverage with OSC RP Coordinator.

8.1.2 **DELIVER** current Emergency Accountability Report and any Form EP(123) 294, Personnel Accountability, to Security Leader.


8.2 IF Security Computer/PA exit card readers are inoperable, or normal PA evacuation process is bypassed, THEN PERFORM accountability as follows:

8.2.1 **POST** a security officer at the exits **AND DIRECT** them to manually account for those personnel exiting the PA on Form EP(123) 294, Personnel Accountability.

8.2.2 Visitor/Escort badges will also be collected at these posts.

8.2.3 IF an escort is discovered missing THEN INCLUDE a list of assigned visitors who are unaccounted for.

8.2.4 Upon completion of evacuation or direction of the Security Leader, immediately **DELIVER** Form EP(123) 294, Personnel Accountability, to the Security Leader.

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9.0 **EXPOSURE CONTROL**

- 9.1 **IF** a SAE is declared, or site assembly or site evacuation is ordered, **THEN DIRECT** security force, via security radio network, that no smoking, eating, or drinking is permitted until clearance is given by RP.
- 9.2 **COORDINATE** with RP to ensure posted security personnel exposures are held as low as reasonably achievable.
- 9.3 **PROVIDE** RP Coordinator with locations of all security personnel remaining on post inside PA after site assembly or evacuation.
 - 9.3.1 **USE** site maps/diagrams (e.g., PSP or SCP figures) provided to identify post locations.
 - 9.3.2 **PROVIDE** RP protection to those locations.
- 9.4 **EVACUATE** all security posts when there is a hazard to security personnel, as directed by the Security Leader.
 - 9.4.1 **DETERMINE** compensatory measures to be implemented with the Security Leader prior to evacuating any security posts unless conditions require immediate relocation.
- 9.5 **PROVIDE** security assistance with contaminated injuries to escort emergency vehicles within PA, when directed.
- 9.6 **ENSURE** updated hazard information is transmitted to all security posts and search teams on security radio.


10.0 **SECURITY TEAM DISPATCH**

- 10.1 **CONTACT** security personnel who have been assigned without OSC coordination to obtain OSC tracking information **AND ENSURE** these personnel are tracked by OSC.
 - 10.1.1 **ACTIVATE** teams from manning level on Form EP(123) 4-G, Dispatch Checklist, **AND INDICATE** status as standby.
 - 10.1.2 **DISPATCH** security personnel as requested by EGL **AND ADVISE** the Security Leader.
- 10.2 During a declared security event, **RECOMMEND** to EGL that a security person be assigned to each repair team to act as an escort.
- 10.3 **ASSEMBLE** a Response Team when directed by EGL, or **WHEN** a security team is required (e.g., sweeps), as follows:

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- 10.3.1 **COMPLETE** Sections 1 and 2, Form EP(123) 4-G, Dispatch Checklist.
- 10.3.2 **BRIEF** team **AND COMPLETE** Section 3, Craft Briefing.
- 10.3.3 IF heavy smoke and/or visual obstruction is anticipated, THEN DIRECT team to use life lines.
- 10.3.4 RP will complete Section 4, RP Briefing.
- 10.3.5 WHEN team is assembled, THEN OBTAIN EGL approval to dispatch team **AND RECORD** dispatch time in Section 5.
- 10.3.6 **DISTRIBUTE** checklist per distribution on Form EP(123) 4-G, Dispatch Checklist.
- 10.4 WHEN team returns to OSC, THEN ENSURE team follows all RP control practices.
 - 10.4.1 **DEBRIEF** team **AND RECORD** pertinent information in Section 6, Response Team Debriefing, on the checklist.
 - 10.4.2 **INFORM** RP Coordinator and the EPC of team's return.
 - 10.4.3 **RETRIEVE** copies of checklist provided to RP coordinator and the EPC.
 - 10.4.4 **PROVIDE** completed checklist to OSC Emergency Planning Coordinator (EPC).
- 10.5 Physical Security Plan (PSP)
- 10.6 IF provisions of PSP **CANNOT** be maintained, THEN INFORM the Security Leader.
- 10.7 During a security event, **REQUEST** EGL provide appropriate plant support personnel to augment security teams to conduct PA/VA searches and inspections.
- 10.8 **ADVISE** EGL, by monitoring radio communications, of plant location when each search area has been completed.
- 10.9 **REQUEST** the Security Leader to obtain a waiver of Security/Safeguards procedures when procedures are directly interfering with medical, fire and/or rescue efforts.

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10.10 **REQUEST** the Security Leader determine with SED if access will be granted to delivery vehicles entering PA.

11.0 **AIRCRAFT**

11.1 **DIRECT** security to report low flying aircraft over the plant or near PA perimeter.

11.1.1 **IF** aircraft are sighted in vicinity of SONGS during an emergency, **THEN REPORT** aircraft (news helicopters, private planes, etc.) to the Security Leader, providing as many details to describe aircraft as possible.

11.1.2 **IF** contacted by SCE Air Operations, **THEN DETERMINE**, from TSC RP Leader, **IF** it is safe to approach site.

11.1.3 **NOTIFY** the Security Leader and EOF Security Director of all incoming helicopters.

12.0 **WATERCRAFT**

12.1 **DIRECT** security to report watercraft sightings anywhere offshore on the plant frontage.

12.1.1 **IF** watercraft are sighted offshore from SONGS during an emergency, **THEN REPORT** watercraft (sailboat, fishing boat, etc.) to the Security Leader, providing as many details to describe watercraft as possible

13.0 **TURNOVER**

13.1 **WHEN** a relief OSSC arrives, **THEN CONDUCT** a turnover using Form EP(123) 5, Turnover Status.


13.1.1 **RECORD** completion of turnover in log **AND REPORT** completion of turnover to the Security Leader

14.0 **RECOVERY**

14.1 **WHEN** requested by EGL, **THEN RECOMMEND** additional security personnel and equipment necessary for a recovery organization.

14.2 **WHEN** emergency conditions have been corrected or are stable, **THEN RESTORE AND INSPECT** all normal and relaxed security procedures as soon as practicable.

14.2.1 **INFORM** the Security Leader of restoration and inspection of security procedures.

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15.0 **OSC RELOCATION**

15.1 IF an OSC Relocation is ordered, **THEN PROCEED** to designated alternate facility as directed by EGL.

15.1.1 **DIRECT** security personnel to an alternate location as ordered by the Security Leader in coordination with RP.

15.1.2 **REMOVE** all documents and communication equipment necessary to allow continued security response.

15.1.3 **ESTABLISH** contact with the Security Leader upon completion of relocation, **AND ENSURE** on-shift Security Officers are notified of new OSC location upon re-activation.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 16.0 through 29.0 provide supplemental instructions for performing the OSC Security Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.


16.0 CONTINUING ACTIONS

- 16.1 WHEN directed by Security Leader, THEN INITIATE recall of off-shift security personnel in accordance with existing Security instructions.
- 16.2 **PROVIDE** information on Form EP(123) ERO-10, Emergency Information, to staff at SPFs, North Access Gate, and Mesa Access Gate to update information status board as changes occur.
- 16.3 **ESTABLISH** radio contact on security radio channel, AND USE proper radio protocols.
- 16.4 IF there is a suspected bomb or other explosive device, THEN ADVISE security officers to direct personnel in immediate area to restrict radio transmissions, cellular phones, etc., for a minimum radius of 300 feet.
- 16.5 **MAINTAIN** a log of decisions and actions required by EIPs.
- 16.6 **PROVIDE** documentation of conditions, events, and communications to ensure a complete and adequate record, to minimize misunderstanding and to identify items requiring follow-up actions.
- 16.7 **CONTACT** SPF(s) and EOF Security post to determine IF any arriving ERO have declared alcohol consumption in the past five hours. IF so, THEN ADVISE the Security Leader of emergency response personnel (ERP) who have declared alcohol consumption within the last five hours are waiting entry into PA or EOF.
- 16.8 **MONITOR** security-related emergency conditions continuously.
- 16.9 **REPORT** all security response actions to the Security Leader in event SCP is implemented in response to a security event.

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- 16.10 IF emergency is reclassified, THEN ENSURE all security personnel are notified of reclassification, AND REPEAT Step 16.1 of this checklist.
- 16.11 Upon initial classification, event reclassification, or event close-out, **REVIEW** each subsection (17.0, 18.0, etc.) of this checklist to ensure all required steps are performed.
- 16.12 **CALL** CAS at PAX 89123 to initiate Emergency Accountability.
- 17.0 PROTECTED AREA PERSONNEL ACCOUNTABILITY (PAPA) PROCESS**
- 17.1 For Alert or higher emergency classes or when directed by Security Leader, **CALL** CAS at PAX 89123 AND HAVE them initiate the Emergency Accountability system.
- 17.1.1 All personnel entering OSC **BADGE** into the card reader at the entrance to the OSC.
- 17.1.2 IF a person is unable to badge into an ERF card reader, THEN manually **RECORD** that person's information on Form EP(123) 294, Personnel Accountability.
- 17.1.3 IF available, THEN REQUEST an in-house dispatch of an OSC team member (preferably a Security Officer) to go to CAS to obtain an updated Emergency Accountability Report.
- 17.1.4 **ENSURE** personnel permanently exiting OSC should log out of PAPA-ERF system or accountability form.
- 17.1.5 **OBTAIN** list of Operations watch standers from Operations AND LOG all on Form EP(123) 294, Personnel Accountability.
- 17.2 For Alert or higher emergency classes or when directed by Security Leader, **PERFORM** this step when the Emergency Accountability system is unavailable or inoperable.
- 17.2.1 **PROVIDE** all OSC Coordinators with Form EP(123) 294 to initiate backup accountability of their personnel.
- 18.0 SITE EVACUATION**
- 18.1 WHEN a declared Security Event is in progress, THEN INFORM EGL Security personnel will **NOT** be able to support these activities.
- 18.2 IF a Site Evacuation has been ordered, THEN PERFORM the following steps:

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- 18.2.1 **OBTAIN** status of emergency conditions from Security Leader, contaminated areas, and direction of site evacuation.
- 18.2.2 **NOTIFY** OCA Supervisor of Site Evacuation order, evacuation route, and to initiate activation steps of Form EP(123) OSC-6, Site Evacuation, Section 2.0.
- 18.2.3 **REPORT** to Security Leader when activation steps of Form EP(123) OSC-6, Site Evacuation, Section 2.0 have been completed.
- 18.2.4 **REPORT** start of Site Evacuation to Security Leader.
- 18.2.5 **REPORT** completion of Site Evacuation to Security Leader.
- 18.3 **DIRECT** security search teams or in-place personnel to sweep PA, OCA, and Mesa Area to ensure complete evacuation of site, retrieve Safeguards Information material left unattended, **AND** promptly **IDENTIFY** discovered injured personnel to Security Leader.
- 18.4 **ENSURE** security sweep teams are dispatched in accordance with Section 24.0, Security Team Dispatch of this attachment.
 - 18.4.1 **REPORT** results of sweeps to Security Leader.
 - 18.4.2 **DIRECT** Security sweep teams to turn in Safeguards Information to other Security personnel.
- 18.5 **WHEN** directed by EGL, SM, or SED to permit re-entry into evacuated areas, **THEN PROVIDE** security support for re-entry efforts and coordinate with Security Leader.
- 19.0 **MUTUAL AID**
- 19.1 **IF** off-site emergency vehicles or equipment are responding to SONGS, **THEN REQUEST** for assistance during emergency event, **THEN PERFORM** the following steps:
 - 19.1.1 **ENSURE** off-site responders are aware of any known radiological, chemical or biological hazards associated with response as provided by Emergency Services Coordinator.
 - 19.1.2 **ENSURE** unimpeded entry of properly identified emergency response personnel and equipment per SO123-IV-5.4, Protected Area/Vital Area Emergency Vehicle/Personnel Access.

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- 19.1.3 **ENSURE** emergency vehicles are directed to designated (PA) entry points.
- 19.1.4 **NOTIFY** EGL and security personnel of their arrival and destination.
- 20.0 **LOCAL AREA HAZARDS/LOCAL EVACUATION**
- 20.1 IF safety hazards exist (Fire, Smoke, Fumes, Radiological, etc.) which threaten personnel or equipment safety, THEN **CONTACT** the Security Leader for instructions.
- 20.1.1 IF a safety hazard exists for Security personnel in a HDP, or other fixed post, THEN immediately **CONTACT** Security Leader **AND REQUEST** 50.54(x) approvals to relocate affected security post(s).
- 20.1.2 IF affected area is CAS or SAS, THEN **CONTACT** Security Leader for instructions.
- 20.1.3 IF requested, THEN **DISPATCH** security personnel to local area, and coordinate with Team Leader.
- 20.1.4 **INFORM** the Security Leader of all actions taken and times.
- 21.0 **SITE ASSEMBLY/PROTECTED AREA EVACUATION**
- 21.1 IF directed by Security Leader, THEN **COORDINATE** security personnel to perform the following:
- 21.1.1 **COLLECT** security photo-identification badges, visitor badges, and visitor escort badges from evacuating personnel from North SPF and South SPF badge drop containers.
- 21.1.2 **DIRECT** evacuating security personnel to retain Safeguards Information materials.
- 21.2 Unless otherwise directed, **ENSURE** all personnel exiting PA and visitors proceed to proper assembly area as follows:
- North PA - AWS Multipurpose Room
 - South PA - K-50 Building
- 21.2.1 WHEN directed by Security Leader, THEN **DIRECT** temporary closure of North SPF and/or South SPF except for facilitating PA entry/reentry of ERP and their emergency vehicles.

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- 21.2.2 WHEN requested, THEN **DIRECT** Security Rover(s) to obtain an approximate count of privately owned vehicles parked in all parking locations, and inform Security Leader of counts, by location.

22.0 ACCOUNTABILITY



- 22.1 After 15 minutes following the SAE declaration, or request for accountability information by Security Leader, **DIRECT** CAS to generate a new Emergency Accountability Roster.

- 22.1.1 **VERIFY** radiological conditions AND **NEED** for RP coverage with OSC RP Coordinator.

- 22.1.2 **DELIVER** current Emergency Accountability Report and any Form EP(123) 294 to Security Leader.

- 22.2 IF Security Computer/PA exit card readers are inoperable, or normal PA evacuation process is bypassed, THEN **PERFORM** accountability as follows:

- 22.2.1 **POST** a security officer at the exits AND **DIRECT** them to manually account for those personnel exiting the PA on Form EP(123) 294.

- 22.2.2 Visitor/Escort badges will also be collected at these posts.

- 22.2.3 IF an escort is discovered missing THEN **INCLUDE** a list of assigned visitors who are unaccounted for.

- 22.2.4 Upon completion of evacuation or direction of the Security Leader, immediately **DELIVER** Form EP(123) 294 to Security Leader.


23.0 EXPOSURE CONTROL

- 23.1 IF a SAE is declared, or site assembly or site evacuation is ordered, THEN **DIRECT** security force, via security radio network, that **NO** smoking, eating, or drinking is permitted until clearance is given by RP.

- 23.1.1 **COORDINATE** with RP to ensure posted security personnel exposures are held as low as reasonably achievable.


- 23.2 **PROVIDE** RP Coordinator with locations of all security personnel remaining on post inside PA after site assembly or evacuation.

- 23.2.1 **USE** site maps/diagrams (e.g., PSP or SCP figures) provided to identify post locations.

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- 23.2.2 **PROVIDE** RP protection to those locations.
- 23.3 **EVACUATE** all security posts when there is a hazard to security personnel, as directed by Security Leader.
- 23.3.1 **DETERMINE** compensatory measures to be implemented with Security Leader prior to evacuating any security posts unless conditions require immediate relocation.
- 23.4 **PROVIDE** security assistance with contaminated injuries to escort emergency vehicles within PA, when directed.
- 23.5 **ENSURE** updated hazard information is transmitted to all security posts and search teams on security radio.
- 24.0 **SECURITY TEAM DISPATCH**
- 24.1 **CONTACT** security personnel who have been assigned without OSC coordination to obtain OSC tracking information **AND ENSURE** these personnel are tracked by OSC.
- 24.1.1 **ACTIVATE** teams from manning level on Form EP(123) 4-G, Dispatch Checklist, **AND INDICATE STATUS** as STANDBY.
- 24.1.2 **DISPATCH** security personnel as requested by EGL **AND ADVISE** Security Leader.
- 24.2 During a declared security event, **RECOMMEND** to EGL that a security person be assigned to each repair team to act as an escort.
- 24.3 **ASSEMBLE** a Response Team when directed by EGL, **OR WHEN** a security team is required (e.g., sweeps), as follows:
- 24.3.1 **COMPLETE** Sections 1 and 2, Form EP(123) 4-G, Dispatch Checklist.
- 24.3.2 **BRIEF** team **AND COMPLETE** Section 3, Craft Briefing.
- 24.3.3 **IF** heavy smoke and/or visual obstruction is anticipated, **THEN DIRECT** team to use life lines.
- 24.3.4 RP will complete Section 4, RP Briefing.

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- 24.3.5 WHEN team is assembled, THEN OBTAIN EGL approval to dispatch team AND RECORD dispatch time in Section 5.
- 24.3.6 **DISTRIBUTE** checklist per distribution on Form EP(123) 4-G, Dispatch Checklist.
- 24.4 WHEN team returns to OSC, THEN ENSURE team follows all RP control practices.
 - 24.4.1 **DEBRIEF** team AND RECORD pertinent information in Section 6, Response Team Debriefing, of checklist.
 - 24.4.2 **INFORM** RP Coordinator and the EPC of team's return.
 - 24.4.3 **RETRIEVE** copies of checklist provided to RP Coordinator and the EPC.
 - 24.4.4 **PROVIDE** completed checklist to OSC Emergency Planning Coordinator (EPC).
- 24.5 **PHYSICAL SECURITY PLAN (PSP)**
 - 24.5.1 IF provisions of PSP **CANNOT** be maintained, THEN INFORM the Security Leader.
 - 24.5.2 During a security event, **REQUEST** EGL provide appropriate plant support personnel to augment security teams to conduct PA/VA searches and inspections.
 - 24.5.3 **ADVISE** EGL, by monitoring radio communications, of plant location when each search area has been completed.
 - 24.5.4 **REQUEST** the Security Leader to obtain a waiver of Security/Safeguards procedures when procedures are directly interfering with medical, fire and/or rescue efforts.
 - 24.5.5 **REQUEST** the Security Leader determine with SED if access will be granted to delivery vehicles entering PA.
- 25.0 **AIRCRAFT**
 - 25.1 **DIRECT** security to report low flying aircraft over the plant or near PA perimeter.
 - 25.1.1 IF aircraft are sighted in vicinity of SONGS during an emergency, THEN REPORT aircraft (news helicopters, private planes, etc.) to the Security Leader, providing as many details to describe aircraft as possible.

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25.1.2 IF contacted by SCE Air Operations, THEN DETERMINE, from TSC RP Leader, IF it is safe to approach site.

25.1.3 **NOTIFY** Security Leader and EOF Security Director of all incoming helicopters.

26.0 **WATERCRAFT**

26.1 **DIRECT** security to report watercraft sightings anywhere offshore on the plant frontage.

26.1.1 IF watercraft are sighted offshore from SONGS during an emergency, THEN REPORT watercraft (sailboat, fishing boat, etc.) to the Security Leader, providing as many details to describe watercraft as possible.

27.0 **TURNOVER**

27.1 WHEN a relief OSSC arrives, THEN CONDUCT a turnover using Form EP(123) 5, Turnover Status.

27.2 **RECORD** completion of turnover in log AND REPORT completion of turnover to the Security Leader.

28.0 **RECOVERY**

28.1 WHEN requested by EGL, THEN RECOMMEND additional security personnel and equipment necessary for a recovery organization.

28.2 WHEN emergency conditions have been corrected or are stable, THEN RESTORE AND INSPECT all normal and relaxed security procedures as soon as practicable.


28.2.1 **INFORM** the Security Leader of restoration and inspection of security procedures.

29.0 **OSC RELOCATION**

29.1 IF an OSC Relocation is ordered, THEN PROCEED to designated alternate facility as directed by EGL.


29.1.1 **DIRECT** security personnel to an alternate location as ordered by the Security Leader in coordination with RP.

29.1.2 **REMOVE** all documents and communication equipment necessary to allow continued security response.

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- 29.1.3 **ESTABLISH** contact with the Security Leader upon completion of relocation, **AND**
ENSURE on-shift Security Officers are notified of new OSC location upon re-activation.

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POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) 4-G, Dispatch Checklist
- EP(123) OSC-3, Team Dispatch Instructions

1.2 WHEN ready to perform your ERO duties, **THEN SIGN-ON** to the OSC minimum staffing board.

1.3 LOG into the Protected Area Personnel Accountability (PAPA) system.

1.4 REPORT to OSC Emergency Group Leader (EGL).

1.5 ESTABLISH AND MAINTAIN a log using Form EP(123) 6, Log Book.

1.6 (REVIEW maintenance resources.


1.7 REMIND OSC maintenance personnel to:

- **SIGN IN** on the minimum staffing board.
- **LOG** onto PAPA for accountability.
- **PRINT** out personal summary sheets.
- **PICK** up a PED and entry ticket.

1.8 ENSURE the emergency tool kits are open and stocked.

1.9 IDENTIFY Work Orders (WOs) initiated during the emergency.

1.10 FORWARD a list of WOs to Work Control.

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OSC Maintenance Coordinator Checklist

Attachment 6

2.0 CONTINUING ACTIONS

- 2.1 **MONITOR** maintenance resources and Response Teams.
- 2.2 **NOTIFY** ERO members in the field of changing radiological conditions. [NN202065874]
- 2.3 **COORDINATE** parts procurement with the EOF Admin Leader (refer to ERTD).
- 2.4 **IF** radiological hazards are present or expected, **THEN DIRECT** a maintenance team to obtain radiological protective equipment **AND** to stand-by in the staging area.
- 2.5 **COORDINATE** with the Security Coordinator **AND HAVE** a maintenance team dispatched to remove the bollards at the south end of Parking Lot #2.
- 2.6 **RECALL** maintenance personnel.
- 2.7 **ASSIST** with team dispatch.
- 3.0 **TEAM DISPATCH**
- 3.1 **PERFORM** team dispatch per Form EP(123) OSC-3, Team Dispatch Instructions.



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OSC Operations Coordinator Checklist

Attachment 7

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 **INITIAL ACTIONS**

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) 4-G, Dispatch Checklist

1.2 **WHEN** ready to perform your ERO duties, **THEN SIGN-ON** to the OSC minimum staffing board.

1.3 **LOG** into the Protected Area Personnel Accountability (PAPA) system.

1.4 **REPORT** to OSC Emergency Group Leader (EGL).

1.5 **ESTABLISH AND MAINTAIN** a log using Form EP(123) 6.

1.6 **INITIATE AND MONITOR** Ivory Phone Communications.


1.7 **CONNECT** the OSC Operations Coordinator phone into the labeled modular jack on the Conference table.



1.8 **CONTACT** Control Room for status of response per AOIs and EOIs (every 15 - 20 minutes).

1.9 **MAINTAIN** a log of information communicated over the Ivory Phone, and items requiring feedback (i.e., Technical Leader and EOF Technical inquiries).

1.10 **KEEP** Technical Leader and Technical Team Mitigators informed of plant status and plant priorities.

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OSC Operations Coordinator Checklist

Attachment 7

2.0 CONTINUING ACTIONS

2.1 MONITOR Operations radio and Ivory Phone communications.

2.2 DETERMINE the location of in-plant operators **AND TRACK** dispatched operators on Team Status Board.

2.3 COORDINATE Operator Dispatch using Form EP(123) 4-G.

2.4 REVIEW in-plant radiological conditions with the RP Coordinator **AND INFORM** the Control Room of any changes.

2.5 COMMUNICATE local area hazards to Control Room for consideration of Local Area Evacuation.

3.0 EVENT CLOSEOUT AND RECOVERY

3.1 WHEN conditions have improved and meet the criteria for event closeout, **THEN PERFORM** actions IAW SO123-VIII-10.5.

3.2 ASSIST the Emergency Group Leader in assembling a list of damaged plant equipment.

3.3 DELIVER all OSC Operations Coordinator documentation to the Emergency Planning Coordinator.



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OSC Emergency Planning Coordinator Checklist

Attachment 8

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) 294, Personnel Accountability.
- EP(123) 295, EOF Personnel Accountability
- EP(123) 4-G, Dispatch Checklist

1.2 ESTABLISH AND MAINTAIN a log using Form EP(123) 6, Log Book.

1.3 WHEN ready to perform your ERO duties, **THEN SIGN-ON** to the board.

1.4 ENSURE all emergency response equipment is open or unlocked.

1.5 LOG into the Protected Area Personnel Accountability (PAPA) system.

1.6 REPORT to OSC Emergency Group Leader (EGL).


1.7 ENSURE position notebooks are distributed **AND ASSIST** in facility setup

1.8 DIRECT OSC personnel to:

1.8.1 SIGN-ON to the Emergency Response Activity.

1.8.2 PRINT out personal summary sheet.

1.8.3 LOG into RCA **AND OBTAIN** a PED and entry ticket.

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OSC Emergency Planning Coordinator Checklist	Attachment 8
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2.0 **CONTINUING ACTIONS**

2.1 **MAINTAIN** Team Status Board for tracking of all teams in the field.

2.2 **IF** the Emergency Services Coordinator (Shift Captain) has been dispatched to the incident scene, **THEN ESTABLISH** communication with dispatch, PAX 86655.

2.3 **TRACK** the arrival and any dispatch of Telecommunications personnel using Form EP(123) 4-G.

2.4 **ASSIST** in the formation, briefing, dispatching and tracking of emergency response personnel and activities using Form EP(123) 4-G.

2.5 **ASSIST** in debriefing returning personnel, collecting completed Form EP(123) 4-G **AND** **MAINTAINING** the Team Status Board.

2.6 In case of relocation:

2.6.1 **INFORM** personnel of specific routes to the alternate facility.

2.6.2 **DIRECT** personnel to take materials and equipment needed to perform their emergency response functions at the alternate facility.

2.6.3 **INFORM** Ivory phone talker to inform EOF manager and TSC manager of relocation actions.

2.6.4 Once the alternate facility is activated, **INITIATE** accountability using Form EP(123) 294, Personnel Accountability or Form EP(123) 295, EOF Personnel Accountability.

2.6.5 **CONVEY** EGL briefs to personnel in the OSC Staging Area.

2.7 **CONDUCT** turnover using Form EP(123) 5

3.0 **EVENT TERMINATION**

3.1 **WHEN** conditions have improved and meet the criteria for event closeout, **THEN PERFORM** actions IAW SO123-VIII-10.5.

3.2 **OBTAIN AND REVIEW** for accuracy all completed forms, logs and data from emergency response personnel (ERP), and forward to EP.

POSITION CHECKLIST

OSC Emergency Services Coordinator Supplemental Position Instructions Table of Contents

Section Number	Title	Page
7.0	FIRE DEPARTMENT DISPATCHER RELOCATION	82
8.0	EVACUATION	83
9.0	EMERGENCY RESPONSE COORDINATION	84
10.0	TURNOVER	86
11.0	RECOVERY	86

NOTE

1. Sections 7.0 through 11.0 provide supplemental instructions for performing the OSC Emergency Services Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.


1.0 **INITIAL ACTIONS**

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- EP(123) OSC-1, Multi-Casualty Incident Dispatch Tailboard Briefing Checklist
- EP(123) 4-G, Dispatch Checklist
- SFP B.5.b SOG
- B.5.b SOG for Spray

1.2 **DIRECT** Fire Department personnel to locate fire apparatus and ambulance adjacent to the affected Unit.


1.3 **REPORT** your presence to the Emergency Group Leader, **AND SIGN ON** to the OSC Minimum Staffing Board.

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OSC Emergency Services Coordinator Checklist

Attachment 9

- 1.4 **OBTAIN** the Orange phone from the Emergency Kit **AND PLUG** it into the labeled phone jack. **ESTABLISH** Orange Phone contact with the Camp Pendleton Fire Department.
- 1.5 IF Emergency Services personnel report to the OSC to wait for assignment, THEN DIRECT them to log into the Protected Area Personnel Accountability (PAPA) system. **LOG IN** for Dosimetry **AND PRINT** qualifications.
- 1.6 IF Emergency Services personnel are responding directly to the scene, THEN MAINTAIN accountability of Emergency Services Personnel in the field. The OSC can be activated as long as the Emergency Services personnel are inside the Protected Area. **CALL IN** to establish Team Tracking.
- 1.7 Emergency Planning Coordinator **ASSUME** responsibility for BSC.
- 1.8 **MAINTAIN** a log of decisions and actions required by EPIPs.
- 1.9 **COORDINATE** fire, medical, and rescue operations with the EGL, OSC Security Coordinator, OSC Operations Coordinator, OSC Radiation Protection (RP) Coordinator, Maintenance Coordinator, and OSC Emergency Planning Coordinator.
- 2.0 **FIRE DISPATCHER RELOCATION (OPTIONAL)**
- 2.1 **DISPATCH** Firefighter to the Units 2/3 Computer Room (30').
- 2.2 **ENSURE** 86911 number is forwarded to 86506.
- 2.3 **ENSURE** 86655 number is forwarded to 89942.
- 3.0 **EVACUATION**
- 3.1 IF any of the hazards listed in Step 3.2 affect a local area or major portions of the Protected Area or Owner Controlled Area exist, THEN INITIATE a Local Area Evacuation, OR contact the Emergency Group Leader **AND RECOMMEND** a local area evacuation or a site assembly/evacuation.

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OSC Emergency Services Coordinator Checklist

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3.2 IF any of the hazards listed below affect a major portion of the Mesa Area, THEN CONTACT the Emergency Group Leader AND RECOMMEND a Mesa Area assembly or evacuation.

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire in any occupied area
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety

3.3 **DISPATCH** Firefighters, an RP Technician and an Operator to the area.

4.0 **EMERGENCY RESPONSE COORDINATION**



4.1 For tasks that are less than ten minutes and are NOT within a hazardous area and NOT a mitigation effort, **TRACK** response teams by logbook entry.

4.2 As directed by the Emergency Group Leader, assemble a response team using Form EP(123) 4-G Dispatch Checklist.

4.3 **OBTAIN** Emergency Group Leader approval AND DISPATCH team.

4.4 WHEN the team returns, THEN DEBRIEF AND RECORD information on the checklist.


4.5 **RETRIEVE** copies of checklist AND PROVIDE to the OSC Emergency Planning Coordinator. **DISTRIBUTE** the checklist.

4.6 **INFORM** Emergency Group Leader of reported fire/medical emergencies.

4.6.1 **ENSURE** injuries are reported to the Emergency Response Facilities via the Ivory Phone.


4.6.2 **PROVIDE** updates.

4.6.3 IF contaminated injured person is being transported to the hospital, THEN NOTIFY the hospital to activate REA.

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- 4.7 WHEN Security/Safeguards procedures are hampering medical, fire and/or rescue efforts, THEN **REQUEST** Emergency Group Leader obtain a waiver of Security/Safeguards procedures.
- 4.8 WHEN Fire Department support is requested by the Emergency Group Leader, THEN:
- **PROVIDE** a briefing of assigned task and potential safety hazards
 - **VERIFY** that Emergency Services personnel have been equipped with the proper tools and equipment needed to complete the assigned task
 - **COORDINATE** search and rescue efforts
 - **MAINTAIN** voice radio contact with the Emergency Services personnel
- 4.9 IF additional Emergency Services personnel are needed, THEN **DIRECT** the Administrative Leader to coordinate recall.
- 5.0 **TURNOVER**
- 5.1 **CONDUCT** turnover with the oncoming Emergency Services Coordinator per Form EP(123) 5, Turnover Status.
- 6.0 **RECOVERY**
- 6.1 WHEN requested by the Emergency Group Leader, THEN **CONSIDER** assigning additional Fire Department personnel and equipment necessary for a recovery organization.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 7.0 through 11.0 provide supplemental instructions for performing the OSC Emergency Services Coordinator duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

7.0 FIRE DEPARTMENT DISPATCHER RELOCATION

7.1 In the event it is necessary to relocate the Dispatcher from the Fire Department Dispatch Center, then **PERFORM** the following:

7.1.1 **DISPATCH** a Firefighter to the Units 2/3 computer room (30') to **MONITOR AND REPORT** incoming fire alarms on the Fire Monitoring System (FMS) computer.

7.1.2 **CONTACT** the San Onofre Fire Department (SOFD) Dispatcher.

7.1.3 **ENSURE** the 86911 Emergency Phone Number is forwarded to 86508 on the Emergency Services Coordinator phone.


7.1.4 **ENSURE** the 86655 Office Phone Number is forwarded to 89942 on the Emergency Services Coordinator phone.

7.1.5 **WHEN** moving the Fire department Dispatcher from the Fire Department Dispatch Center (if he/she remains in the Dispatch Center) to the OSC, **THEN CONSIDER** the following:

- There is a radiological release
- There is a potential is high for a radiological release to occur
- Any hazardous condition(s) exist that may affect the health and safety of the Fire Department Dispatcher

7.2 **DIRECT** the SOFD Dispatcher to report to the OSC, log into PAPA, and report.

7.3 **VERIFY** hose packs, SCBAs, semi-automatic defibrillation unit and protective clothing are immediately available near the OSC.

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OSC Emergency Services Coordinator Checklist

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7.4 **REVIEW** this procedure periodically during emergency response and recovery and following each reclassification.

8.0 **EVACUATION**

8.1 Evacuation Hazards

8.1.1 IF any of the hazards listed in Step 8.1.3 exist, **THEN INITIATE** a Local Area Evacuation, **OR** contact the Emergency Group Leader **AND RECOMMEND** a Local Area Evacuation.

8.1.2 IF any of the hazards listed in step 8.1.3 affect major portions of the Protected Area or Owner Controlled Area, **THEN CONTACT** the Emergency Group Leader **AND RECOMMEND** a site assembly or evacuation.


8.1.3 IF any of the hazards listed below affect a major portion of the Mesa Area, **THEN CONTACT** the Emergency Group Leader **AND RECOMMEND** a Mesa Area assembly or evacuation.

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire in any occupied area
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety

8.2 Local Area Evacuation

8.2.1 At the direction of the Emergency Group Leader, **DISPATCH** Firefighters/Fire Brigade, with an RP Technician and Operator, to the local area.

8.2.2 **COORDINATE** with the Operator in charge of the team.

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OSC Emergency Services Coordinator Checklist

Attachment 9

8.2.3 IF the local area is the OSC, THEN PROCEED to the alternate OSC as directed by the Emergency Group Leader and RP.

8.2.3.1 **TAKE** materials and equipment necessary to perform emergency response functions at the alternate facility.

8.3 Re-Entry Into Evacuated Areas

8.3.1 WHEN requested by personnel directing re-entry, THEN PROVIDE Fire Department considerations and personnel to support re-entry efforts.

9.0 **EMERGENCY RESPONSE COORDINATION**

9.1 Response Teams



9.1.1 For tasks that are less than ten minutes and are **NOT** within a hazardous area and **NOT** a mitigation effort, **TRACK** response teams by log book entry.

9.1.2 WHEN directed by the Emergency Group Leader to assemble a response team, THEN OBTAIN Form EP(123) 4-G, Dispatch Checklist, **AND COMPLETE** Sections 1 and 2.

9.1.3 **BRIEF** the team **AND COMPLETE** Section 3, Craft Briefing, of the checklist.

9.1.4 **COMPLETE** Section 4, RP Briefing, when radiological conditions are present.

9.1.5 **OBTAIN** Emergency Group Leader approval **AND DISPATCH** the response team.

9.1.6 **RECORD** time in Section 5 on the checklist.

9.1.7 **DISTRIBUTE** the checklist per the copy distribution on the form.


9.1.8 **NOTIFY** ERO members in the field of changing radiological conditions.

9.1.9 WHEN the team returns to the OSC, THEN:

9.1.9.1 **DEBRIEF** the team **AND RECORD** pertinent information in Section 6, Debrief, of the checklist.

9.1.9.2 **INFORM** the RP Coordinator and the EPC of the team return.

9.1.9.3 **RETRIEVE** the copies of the checklist provided to the RP Coordinator and the EPC.

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OSC Emergency Services Coordinator Checklist

Attachment 9

- 9.1.9.4 **PROVIDE** the completed checklist to the OSC Emergency Planning Coordinator.
- 9.2 "86911" Notification/Response
- 9.2.1 **INFORM** the Emergency Group Leader and Emergency Planning Coordinator of reported fire/medical emergencies.
- 9.2.2 **ENSURE** injuries are reported to Emergency Response Facilities via the Ivory Phone, and to EOF Medical Personnel at PAX 88124.
- 9.2.3 **PROVIDE** updates as information is received.
- 9.2.4 IF a contaminated injured person(s) is to be transported to an offsite hospital, THEN **NOTIFY** the hospital.
- 9.3 Waiver of Security/Safeguards Procedures
- 9.3.1 **REQUEST** the Emergency Group Leader to obtain a waiver of Security/Safeguards procedures WHEN Security/Safeguards procedures are hampering medical, fire and/or rescue efforts.
- 9.3.2 WHEN Fire Department support is requested by the Emergency Group Leader, THEN:
- 9.3.2.1 **OBTAIN** information regarding expected hazards.
- 9.3.2.2 **CONSULT** with the Fire Department team leader to verify that personnel have been equipped with the proper tools and equipment needed to complete the assigned task, AND VERIFY all safety-related equipment is operational and complete.
- 9.3.3 IF emergency conditions permit, THEN **PROVIDE** a briefing of assigned task and potential safety hazards that may be encountered, such as:
- Toxic Gas Leaks
 - Fire Ignition Sources
 - Steam Leaks
 - Radiological Hazards
 - Hazards Security personnel
- 9.3.4 **COORDINATE** search and rescue efforts for missing personnel with the OSC Security Coordinator.

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9.3.5 **MAINTAIN** voice radio contact with the Fire Department personnel.

9.4 Emergency Recall

9.4.1 IF additional Fire Department personnel are needed, THEN **DIRECT** the EOF Administrative Leader to coordinate recall.

10.0 **TURNOVER**

10.1 WHEN a recall Emergency Services Coordinator arrives at the OSC, THEN:


10.1.1 **CONDUCT** turnover with the oncoming Emergency Services Coordinator per Form EP(123) 5, Turnover Status.

10.1.2 **RECORD** completion of the turnover in the Emergency Services Coordinator Log.

10.1.3 **REPORT** completion of the turnover to the Emergency Planning Coordinator.

11.0 **RECOVERY**


11.1 WHEN requested by the Emergency Group Leader, THEN **RECOMMEND** additional Fire Department personnel and equipment necessary for a recovery organization.

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Summary of Changes	Attachment 10
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Author: David A. Clark PAX: 89967 Location: D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
50.59 / 72.48 Determination	50.59 and 72.48 determined _____ This procedure supersedes the following procedures: SO123-VIII-30.1 SO123-VIII-30.3 SO123-VIII-30.4 SO123-VIII-40.1 SO123-VIII-50.1 SO123-VIII-60.1 SO123-VIII-80 (Procedures being superseded have previously been determined 50.59/72.48 DNA)	Frank Grovich D. Vanderwoude	DNA	All
EPIP Upgrade Project/ERO Reduction	Deleted checklists for OSC Assistant Radiation Protection Coordinator OSC Radiation Protection Communicator OSC Radiation Protection Planner OSC Ivory Phone/Plant Status Board Keeper OSC Team Status Board Keeper	See Table Below	DNA	

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Summary of Changes	Attachment 10
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NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
	Added responsibilities for OSC Radiation Protection Radio Operator to the responsibilities of the OSC Emergency Planning Coordinator for ERO Reduction. Added responsibilities for the OSC Team Status Board Keeper, to the responsibilities of the OSC Emergency Planning Coordinator for ERO Reduction. Added responsibilities for OSC CDM Support to the responsibilities of the OSC Emergency Planning Coordinator for ERO Reduction.	See Table Below	DNA	Step 1.3.8
	Added responsibilities for OSC Ivory Phone/Plant Status Board Keeper to the responsibilities of the OSC Emergency Planning Coordinator for ERO Reduction.	See Table Below	DNA	Step 1.3.7
	Added responsibilities for EOF Multi-Channel Analyzer (MCA) Operator to the responsibilities of the OSC Chemistry Coordinator for ERO Reduction.	See Table Below	DNA	Step 1.3.4
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Added responsibilities OSC Hazmat Technician to the responsibilities of the OSC Emergency Services Coordinator for ERO Reduction.	See Table Below	DNA	Step 1.3.9
	Added responsibilities OSC Assistant Maintenance Coordinator to the responsibilities of the OSC Maintenance Coordinator for ERO Reduction.	See Table Below	DNA	Step 1.3.6

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Summary of Changes	Attachment 10
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NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
	<p>Added responsibilities OSC Assistant Radiation Protection Coordinator to the responsibilities of the OSC Radiation Protection Coordinator for ERO Reduction.</p> <p>Added responsibilities OSC Radiation Protection Communicator to the responsibilities of the OSC Radiation Protection Coordinator for ERO Reduction.</p> <p>Added responsibilities OSC Radiation Protection Planner to the responsibilities of the OSC Radiation Protection Coordinator for ERO Reduction.</p>	See Table Below	DNA	Step 1.3.8
	Created Attachment 1, OSC Emergency Group Leader Checklist, from SO123-VIII-80	See Table Below	DNA	Page 9

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Summary of Changes

Attachment 10


NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Created Attachment 2, OSC Radiation Protection Coordinator Checklist, from SO123-VIII-40.1	See Table Below	DNA	Page 18
	Combined OSC Assistant Radiation Protection Coordinator Position Checklist with, OSC Radiation Protection Coordinator Checklist, due to reduction IN ERO.			
	Combined OSC Radiation Protection Communicator Position Checklist with, OSC Radiation Protection Coordinator Checklist, due to reduction IN ERO.			
	Combined OSC Radiation Protection Planner Position Checklist with, OSC Radiation Protection Coordinator Checklist, due to reduction IN ERO.			
	Combined OSC Radiation Protection Radio Operator Position Checklist with, OSC Radiation Protection Coordinator Checklist, due to reduction IN ERO.			
	Created Attachment 3, OSC Radiation Protection Technician Checklist, from SO123-VIII-40.1	See Table Below	DNA	Page 40
	Created Attachment 4, OSC Chemistry Coordinator Checklist, from SO123-VIII-50.1	See Table Below	DNA	Page 42
	Created Attachment 5, OSC Security Coordinator Checklist, from SO123-VIII-60.1	See Table Below	DNA	Page 53
	Created Attachment 6, OSC Maintenance Coordinator Checklist, from SO123-VIII-80	See Table Below	DNA	Page 72

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Summary of Changes

Attachment 10

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
EPIP PROJECT EPIP Upgrade Project/ERO Reduction	Created Attachment 7, OSC Operations Coordinator Checklist, from SO123-VIII-30.3	See Table Below	DNA	Page 74
	Combined OSC Ivory Phone/Plant Status Board Keeper Position Checklist with, OSC Operations Coordinator Checklist, due to reduction IN ERO.			
	Created Attachment 8, OSC Emergency Planning Coordinator Checklist, from SO123-VIII-30.1	See Table Below	DNA	Page 76
	Created Attachment 9, OSC Emergency Services Coordinator Checklist, from SO123-VIII-30.4	See Table Below	DNA	Page 78
	Deleted checklists for OSC Radiation Protection Radio Operator, OSC Team Status Board Keeper, OSC Ivory Phone/Plant Status board Keeper OSC Assistant Maintenance Coordinator OSC Assistant Radiation Protection Coordinator OSC Radiation Protection Communicator and OSC Radiation Protection Planner due to ERO reduction.	See Table Below	DNA	

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Document Reviewers:	Name:
Job Title / Reviewer Role	Jim Peattie
Job Title / Reviewer Role	Scott Genschaw
50.59 / 72.48 Determination	Frank Grovich
50.59 / 72.48 Determination	David Vanderwoude
Site Procedures Group	Carol Schmitt
Cognizant Supervisor	Larry McCann
NOD	Marina Farmer
Approvers:	
Nuclear Oversight Final Approval:	Marina Farmer
CFDM Final Approval:	Deborah Lindbeck

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Procedure Usage Requirements	Sections
Information Use <ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	Attachment 10
Reference Use <ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All Except Attachment 10

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10	Summary of Changes	61

QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES / RX DNA

Procedure Type
General

Procedure Owner
Deborah Lindbeck



Emergency Response Organization (ERO) Technical Support Center Position Checklists

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1.0 **RESPONSIBILITIES**

1.1 **VERIFY** Level of Use requirements on the first page of this procedure.

1.2 The responsibilities of the TSC ERO personnel are as follows:

1.2.1 Station Emergency Director (SED)

- Assumes Emergency Coordinator function from Shift Manager (SED only assumes some of the ECs responsibilities. Some are transferred to the CED, could be directly from the EC to the CED). Responsible for directing overall activities of the TSC.
- Classifies and declares an emergency event (non-delegable)
- Orders site assembly (non-delegable)
- Authorizes personnel to exceed 10CFR20 exposure limits. (non-delegable)

1.2.2 TSC Emergency Advisor, Operations

- Assists the Station Emergency Director in plant status assessment activities, advises the Emergency Coordinator on corrective/protective actions, and emergency classification requirements.
- Maintains Plant Status Board

1.2.3 TSC Emergency Advisor, Notifications

- Prepare and coordinate offsite notifications, review PARs, review event classification, and advise the Station Emergency Director.

1.2.4 TSC Manager

- Advises the Emergency Advisor and/or the Station Emergency Director in all Emergency Plan requirements. The TSC Manager, if Station Emergency Director qualified, may fill in as the Station Emergency Director as required (prior to Station Emergency Director arrival or if the Station Emergency Director falls ill, etc.)

1.2.5 TSC Red Phone Communicator

- Responsible for maintaining communications with the NRC.

1.2.6 TSC Security Leader

- Maintains plant security, traffic and access control. Responsible for performing protected area personnel accountability and facilitating site assembly and/or evacuation.

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1.2.7 TSC Radiation Protection Leader

- Advises the Station Emergency Director on radiological aspects of onsite activities.
- Performs dose projections and advises the Station Emergency Director concerning offsite protective actions, including protective actions.
- Perform dose assessment calculations.
- Performs radiological surveys in the TSC
- Assist with keeping ODAC informed of dose assessment results.

1.2.8 TSC Technical Leader

- Provides engineering technical support to the Station Emergency Director.
- Coordinates the analysis of thermohydraulic and thermodynamic problems.
- Performs source term calculation and directs sampling of plant system fluids/gases for chemical analysis.

1.2.9 TSC Technical Team Mitigator

- Reports to the TSC Technical Leader and is responsible for leak rate determinations, overall plant and core damage assessment, mitigation and SAMG, thermohydraulic and thermodynamic problems, updating plant parameter status, and monitoring the Ivory Phone.

2.0 ACRONYMS

2.1	<u>ARM:</u>	Area Radiation Monitor
2.2	<u>AWS:</u>	Administration Warehouse & Supply/Shop
2.3	<u>CAL OES:</u>	California Office of Emergency Services
2.4	<u>CAPR:</u>	Corrective Action to Prevent Reoccurrence
2.5	<u>CED:</u>	Corporate Emergency Director
2.6	<u>CEDE:</u>	Committed Effective Dose Equivalent
2.7	<u>CDE:</u>	Committed Dose Equivalent
2.8	<u>CFMS:</u>	Critical Function Monitoring System
2.9	<u>CR:</u>	Control Room

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2.10	<u>DAC:</u>	Derived Airborne Concentration
2.11	<u>DACS</u>	Dose Assessment Computer System
2.12	<u>DAS:</u>	Data Acquisition System
2.13	<u>EAL:</u>	Emergency Action Level
2.14	<u>EAN:</u>	Emergency Advisor, Notifications
2.15	<u>EAO</u>	Emergency Advisor, Operations
2.16	<u>EC:</u>	Emergency Coordinator
2.17	<u>EDT:</u>	Event Declaration Time
2.18	<u>ENF:</u>	Event Notification Form
2.19	<u>EOC:</u>	Emergency Operations Center
2.20	<u>EOF:</u>	Emergency Operations Facility
2.21	<u>EP:</u>	Emergency Plan
2.22	<u>EPC:</u>	Emergency Planning Coordinator
2.23	<u>EPIP:</u>	Emergency Plan Implementing Procedure
2.24	<u>ERDS:</u>	Emergency Response Data System
2.25	<u>ERF:</u>	Emergency Response Facility
2.26	<u>ERO:</u>	Emergency Response Organization
2.27	<u>ERTD:</u>	Emergency Response Telephone Directory
2.28	<u>ISFSI:</u>	Independent Spent Fuel Storage Installation
2.29	<u>KI:</u>	Potassium Iodide
2.30	<u>NRC:</u>	Nuclear Regulatory Commission
2.31	<u>OCA:</u>	Owner Controlled Area

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2.32	<u>ODAC:</u>	Offsite Dose Assessment Center
2.33	<u>OSLD</u>	Optically Stimulated Luminescent Dosimeter
2.34	<u>OSSC:</u>	Onsite Security Commander
2.35	<u>PA:</u>	Protected Area
2.36	<u>PAPA:</u>	Protected Area Personnel Accountability
2.37	<u>PAR:</u>	Protective Action Recommendation
2.38	<u>PASS:</u>	Post-Accident Sampling System
2.39	<u>PAZ:</u>	Protective Action Zone
2.40	<u>REPCET:</u>	Representative Core Exit Temperature
2.41	<u>RP:</u>	Radiation Protection
2.42	<u>SAMG:</u>	Severe Accident Management Guideline
2.43	<u>SC:</u>	Shift Communicator
2.44	<u>SCBA:</u>	Self-Contained Breathing Apparatus
2.45	<u>SCE:</u>	Southern California Edison
2.46	<u>SED:</u>	Station Emergency Director
2.47	<u>SL:</u>	Security Leader
2.48	<u>SM:</u>	Shift Manager
2.49	<u>SONGS:</u>	San Onofre Nuclear Generating Station
2.50	<u>SRO:</u>	Senior Reactor Operator
2.51	<u>STA:</u>	Shift Technical Advisor
2.52	<u>TEDE:</u>	Total Effective Dose Equivalent
2.53	<u>TSC:</u>	Technical Support Center

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2.54 VNE: Verbal Notification Form

2.55 YPS: Yellow Phone System

3.0 **PROCEDURE**

3.1 **OBTAIN** a copy of the applicable ERO position instruction. This instruction may be found in the first tab in each ERO Position Book.

3.2 Activation and Operation of the TSC

3.2.1 Upon declaration of an ALERT or higher classification, TSC personnel shall report to the TSC. ERO positions assigned a Position Instruction Checklist shall obtain their Position Checklist and follow the instructions contained within.

3.2.2 The Station Emergency Director (SED) may declare the TSC activated when the following minimum staff positions have been filled:


- *Station Emergency Director
- *TSC Emergency Advisor, Notifications
- *TSC Emergency Advisor, Operations
- *TSC Manager
- *TSC Red Phone Communicator
- *TSC Security Leader
- *TSC Radiation Protection Leader
- *TSC Technical Leader
- *TSC Technical Team Mitigator

*Minimum staff required for activation

4.0 **RETENTION OF RECORDS**

4.1 **COLLECT** all paperwork generated in response to the emergency event (e.g., logs, procedures, attachments, forms, and checklists) **AND DELIVER** to either TSC Manager, EOF Emergency Planning Coordinator, or OSC Emergency Planning Coordinator.

REFERENCE USE

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POSITION CHECKLIST

Station Emergency Director Supplemental Position Instructions Table of Contents

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NOTE

1. Sections 2.0 through 15.0 provide supplemental instructions for performing the SED duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 6, Emergency Response Log Book
- EP(123) ERO-1, Notification of Departure From License Conditions or Technical Specifications
- EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist
- EP(123) ERO-5, Credible Threat Plan Development
- EP(123) EC-1, Emergency Coordinator Turnover Status
- EP(123) EC-2, EC Post Security Event Checklist
- EP(123) 3, Emergency Exposure Authorization

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- 1.2 **ASSUME** the position of Station Emergency Director.
 - 1.2.1 **SIGN IN** on the TSC Staffing Board.
 - 1.2.2 **VERIFY** communications devices function.
 - 1.2.3 **CHECK** Telephone.
- 1.3 Prior to turnover of notification responsibilities to CED, **PERFORM** the following for each reclassification, upgrade in PAR, start or stop of radiological release:
 - 1.3.1 **DIRECT** the Emergency Advisor for Notifications to prepare required notifications.
 - 1.3.2 **REVIEW AND AUTHORIZE** transmittal of verbal and written notifications by initialing the associated notification form.
 - 1.3.3 **ENSURE** the NRC is provided follow-up notification information, reclassification, and other pertinent information via the TSC Red Phone Talker.
 - 1.3.4 **REVIEW** SO123-VIII-10.3, for applicable PARs.
 - 1.3.5 **ADVISE** the CED of the following:
 - Event reclassification
 - Protective Action Recommendations
 - Start or stop of radiological release
 - Emergency exposure authorization
 - Airborne radiological hazards
 - Deviation from license condition
 - Deviation from security safeguards
 - 1.3.6 WHEN requested, THEN **PROVIDE** information to the EOF for offsite agency notification.
- 1.4 **ACTIVATE** the facility.
 - 1.4.1 **VERIFY** minimum staffing positions are filled and assigned individuals are ready to assume their duties prior to declaring the TSC activated.
 - 1.4.2 **INFORM** the Control Room when TSC is activated.
 - 1.4.3 **ANNOUNCE** the TSC is activated to the TSC personnel.
- 1.5 **VERIFY** all other TSC positions are filled.



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1.6 **COMMUNICATE** turnover of EC duties to Corporate Emergency Director to receive emergency event status from the Control Room, using Form EP(123) EC-1, Emergency Coordinator Turnover Status.

1.6.1 Following turnover of EC duties, the SED is responsible for:

- Classification and declaration an emergency event (non-delegable)
- Ordering site assembly (non-delegable)
- Authorizing personnel to exceed 10CFR20 exposure limits. (non-delegable)

1.7 **ENSURE** onsite priorities are established.

1.7.1 **WORK** with the TSC staff to set priorities for various plant and repair activities.

1.7.2 **RE-EVALUATE** priorities.

NOTE

Initial Accountability shall be accomplished within 30 minutes of the Emergency Event Declaration time for an Event where Emergency Response Facilities are activated.

1.8 **REVIEW** the Initial Accountability Report with the Security Leader.

1.8.1 **REPORT** Initial Accountability Report results to the Corporate Emergency Director.

1.8.2 **IF** reasonable attempts to locate missing individuals have failed, **THEN INITIATE** a rescue and re-entry operation to locate missing personnel. **DIRECT** the EGL to assemble OSC Rescue Team(s).


1.9 **COMMUNICATE** names or positions of personnel to be retained on site to the EOF Administrative Leader.

1.10 **OBTAIN** facility habitability status from the TSC Radiation Protection Leader.

1.11 **ENSURE** the CED is kept informed of current plant status and potential changes in emergency classification.


1.12 **PROVIDE** technical assistance and recommendations to the Control Room to mitigate emergency conditions.

1.12.1 **COORDINATE** emergency modifications and repair activities with the Control Room, OSC, and EOF.

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- 1.12.2 **INTERFACE** with the Control Room, OSC, and EOF to assure proposed accident mitigation activities are in compliance with Station requirements.
- 1.12.3 **DIRECT** TSC personnel to develop temporary repairs/procedures.
- 1.12.4 IF a radioactive release occurs, THEN IDENTIFY the release path, AND DETERMINE the best means to terminate the release.
- 1.12.5 **COORDINATE** material needs with the EOF Administrative Leader.
- 1.13 **DIRECT** onsite protective actions for ERO personnel.
- 1.14 **ENSURE** the NRC has been notified and a continuous line of communication is established in the TSC, if requested.
- 1.15 **PARTICIPATE** in the development of a recovery plan for the emergency.
- 1.16 **CONDUCT** shift turnover.
- 1.17 Upon event termination **ENSURE** all items have been returned to a state of readiness.
 - 1.17.1 **COMPLETE** all checklist items.
 - 1.17.2 **FACILITATE** post-event critique.
 - 1.17.3 **RETURN** the workstation to its original condition.
 - 1.17.4 **RETURN** all document binders to their storage location.
 - 1.17.5 **RETURN** any emergency response equipment to its original location.
 - 1.17.6 **PROVIDE** all paperwork to the Security Coordinator.

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 2.0 through 15.0 provide supplemental instructions for performing the SED duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

2.0 REPETITIVE ACTIONS

- 2.1 Verbal Notification Actions.
- 2.2 Provide Periodic TSC Briefings (30 minutes).
- 2.3 Determine the Need for Onsite Protective Actions and Local Area Evacuations.
- 2.4 Event Notification and Radiological Release Considerations.
- 2.5 Event Reclassification/PAR Upgrade/Start or Stop of Radiological Release.
- 2.6 Radiation Exposure Limits.
- 2.7 Site Assembly and Evacuation (Required for Site Area Emergency and General Emergency).
- 2.8 Deviation from License Conditions.
- 2.9 Declaration of Alcohol Consumption.
- 2.10 Emergency Coordinator Duties Turnover.
- 2.11 Alternate Emergency Response Facility Status Check.


3.0 CREDIBLE THREAT

- 3.1 **REVIEW** Form EP(123) ERO-5, Credible Threat Plan Development, with the CED to develop an appropriate level of response to a credible threat.
- 3.2 **ASSIGN** action items to fully develop **AND IMPLEMENT** the Credible Threat Plan.

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<p>4.0 SECURITY EVENT ACTIVITIES</p> <p>(b)(7)(E),(b)(7)(F)</p>
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5.0 **LOCAL AREA EVACUATION**

5.1 **IF** any of the hazards listed below are present, **THEN CONTACT** the Emergency Advisor, Operations to direct the Control Room to initiate SO23-13-1 ISS2:

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire Protection System Actuation
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards that threaten personnel or equipment safety
- Local report of fire or smoke
- Any other condition which may present a hazard to plant personnel

5.2 **IF** the local area to be evacuated is the TSC or OSC, **THEN DESIGNATE** an alternate area **AND DIRECT** the Emergency Response Organization (ERO) personnel to collect needed materials, equipment, and relocate.


5.3 **IF** the local area is the TSC, **THEN TURNOVER** the following SED duties to the SM until the alternate location can be activated:

- Emergency Event Declaration/Classification
- Site Assembly
- Exceeding 10 CFR 20 Exposure Limits
- Site Evacuation - **IF** the CED has **NOT** assumed the EC function

5.3.1 **INFORM** the CED of the Local Area Evacuation or Emergency Response Facility (ERF) relocation.

5.3.2 **WHEN** time allows, **THEN CONDUCT** an assessment of Emergency Response Facility status, Command and Control functions and key ERO functions using Form EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist.

5.3.3 **IF** the hazard affects a major portion of the Protected Area or Owner Controlled Area, **THEN CONSULT** with ERO leaders to determine the necessity for a precautionary site assembly or evacuation.

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5.3.4 IF the hazard affects a major portion of the Mesa area, THEN CONSULT with ERO Leaders to determine the necessity for a precautionary Mesa area assembly or evacuation.

5.3.5 IF assembly area dose is calculated or reported to be greater than 170 mrem TEDE or thyroid CDE, THEN INITIATE site evacuation AND CONSULT SO123-VIII-10.3.

6.0 **SITE ASSEMBLY AND EVACUATION COORDINATION**

6.1 **EVALUATE** the need for evacuation of non-emergency response personnel, considering the following conditions:

- Site Assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.
- Evacuation of vehicles through the South Gate will require removal of the bollards at the south end of Parking Lot #2, which is estimated to take 1.5 hours.
- For short-term releases, consideration should be given to on-site Sheltering.

6.1.1 IF any of the hazards listed in Step 5.1 affect major portions of the Protected Area, Owner Controlled Area (OCA) or Mesa area, THEN DETERMINE the need for a site assembly or evacuation.

6.1.2 **INFORM** the CED of the need to perform site assembly and/or evacuation.

6.1.3 WHEN the CED is acting as EC AND IF immediate evacuation of non-emergency response personnel without assembly is required, THEN OBTAIN CED approval.

6.1.4 IF Emergency Class is Site Area Emergency or higher, THEN DIRECT a site assembly and evacuation.

6.1.5 IF a site assembly is required, THEN DIRECT the TSC Manager to prepare a PA announcement and perform PA/Siren coordination.


6.1.6 **DIRECT** the Security Leader to prepare for site evacuation, AND INFORM the Security Leader which evacuation routes to use.

6.1.7 WHEN acting as EC, THEN periodically **CONSULT** with the RP Leader to determine IF personnel should either remain at assembly areas or evacuate the site.



6.1.8 Within 30 minutes following the PA announcement for site assembly, **REVIEW** the Protected Area and Independent Spent Fuel Storage Installation (ISFSI) accountability reports with the Security Leader (SL) to determine if any personnel are missing.

6.1.9 WHEN acting as EC, THEN DIRECT the TSC Manager to provide Assembly Area Coordinators plant information appropriate to the event.

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6.1.10 **DIRECT** the TSC Manager to broadcast regular (30 minute) plant-status updates via the PA System.

6.1.11 WHEN acting as EC, IF a site evacuation is necessary, THEN ENSURE the following steps are performed:

6.1.11.1 **CONSULT** with the TSC RP Leader to determine the likelihood of contamination of evacuees or vehicles and evacuation route to be used.

6.1.11.2 **INFORM** the Security Leader a site evacuation is being directed and which evacuation route will be used.

6.1.11.3 **DIRECT** the TSC Manager to prepare PA announcement AND PERFORM PA/Siren coordination.

6.1.11.4 **VERIFY** the PA script includes the following information:

- Site evacuation routes based on meteorological and radiological conditions (North, South, or normal departure routes).
- IF there is likelihood of contamination of evacuees or vehicles, THEN DIRECT evacuating personnel to proceed to a Reception Center.

OR

- IF there is **NO** likelihood of contamination of evacuees or vehicles, THEN DIRECT evacuating personnel to proceed directly home.

6.1.12 WHEN acting as EC, THEN DIRECT the TSC Manager to provide Assembly Area Coordinators assistance.

7.0 RE-ENTRY INTO EVACUATED AREAS

7.1 WHEN the source of the hazard that initiated the evacuation has been stopped or reduced to a level which will allow personnel entry, THEN DIRECT an Emergency Response Team Leader to coordinate re-entry efforts.

8.0 EXPOSURE CONTROL

8.1 Emergency Exposure Authorization

8.1.1 **AUTHORIZE** exceeding 10CFR20 exposure limits for lifesaving or protection of public health and safety by signing Form EP(123) 3, Emergency Exposure Authorization. Authorization may be provided verbally in the interest of expediting a safety action, but shall be followed by signatory approval on Form EP(123) 3.



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8.1.2 Airborne Radiological Hazards

8.1.2.1 **DIRECT** the RP Leader to consider implementation of the following actions to minimize personnel overexposure from potential airborne radiological hazards:

- Ingestion of potassium iodide (KI) and/or wearing of respirators
- Evacuation of Emergency Response Facilities to alternate areas
- Implementation of special recall instructions
- Evacuation of non-respirator qualified individuals

9.0 EMERGENCY RESPONSE COORDINATION



9.1 **CONDUCT** TSC briefings approximately every 30 minutes, or as conditions warrant. Briefings should include the following:

- Plant Status (EA for Operations)
- Emergency Response Priorities (e.g., repair activities)
- Onsite and Offsite PARs
- Input from other ERO Leaders (i.e., RP Leader on site radiological conditions, Technical Leader on technical activities, etc.)


10.0 SEVERE ACCIDENT MANAGEMENT GUIDELINE

10.1 For significant core damage, **DIRECT** the Technical Leader to evaluate entry into Phase I of SO23-V-5.

11.0 DEVIATIONS FROM LICENSE CONDITIONS

11.1 **EVALUATE AND APPROVE** actions that will intentionally deviate from a license condition or Technical Specifications WHEN all of the following conditions have been met:

- Immediate intentional action is necessary to avert adverse consequences to public health and safety.
- **NO** adequate **OR** equivalent protective action is consistent with the license is apparent.
- The action is reasonable (an unreasonable action would be one which exposes personnel or equipment to greater peril than the adverse consequences which the action is intended to avert).
- The deviation from license is only to the extent necessary to meet the emergency.
- There is **NOT** time for an amendment of the license to be approved by the NRC.
- The deviation is approved by a Unit 2/3 SRO (preferably SM/ASM), or the SM/ASM when specifically required.

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11.1.1 **IMPLEMENT** the approved actions via the EA for Operations and/or SL.



11.1.2 **DIRECT** the EA for Notifications to verify the TSC Red Phone Talker notifies the NRC Headquarters Operations Officer within one hour of departure from a license condition or Technical Specification, using the notification Form EP(123) ERO-1, Notification of Departure From License Conditions or Technical Specifications.

11.1.3 **DIRECT** the Security Leader (SL) to suspend safeguards measures (as allowed by the Physical Security Plan) that are impeding timely emergency response.

11.1.4 **DIRECT** the SL to restore safeguards measures as soon as possible.

12.0 **MUTUAL AID AGREEMENT**

12.1 IF additional RP resources are needed for mitigation, **THEN DIRECT** the TSC Manager to request assistance from the EOF EPC.

13.0 **ERF STAFFING**

13.1 IF the plant is stable **AND IF** there is **NO** threat of escalation, **THEN** the CED/EC may reduce the staffing in the ERFs to appropriate levels.

13.2 IF notified of personnel who have declared alcohol consumption within five hours and are waiting for Protected Area entry, **THEN EVALUATE** the individual per SO123-XV-7 requirements to determine whether they should:

- Be allowed entry into the Protected Area (with restrictions),

OR

- Report to the Administration Warehouse and Supply/Shop (AWS) Building Multipurpose Room and continue to wait,

OR


- Be provided a ride home.

14.0 **TURNOVER**

14.1 **TURNOVER** shall **NOT** prevent timely completion of the primary EC responsibilities of classification, notification and PAR.

14.2 **CONDUCT** an assessment of notifications in progress prior to turnover of the EC duties.

14.3 IF any Alternate Emergency Response Facilities have been activated, **THEN CONDUCT** an assessment of Emergency Response Facility status, Command and Control functions and key ERO functions using Form EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist, prior to turnover of the EC duties.

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14.4 **WHEN** a relief SED arrives at the TSC, **THEN PERFORM** the following:

14.4.1 **COMPLETE** Form EP(123) EC-1 Emergency Coordinator Turnover Status, **AND DISCUSS** turnover status with the relief SED.

14.4.2 **IF** any Alternate Emergency Response Facilities have been activated, **THEN COMPLETE** Form EP(123) ERO-2, Alternate Emergency Response Facility Status Checklist, **AND DISCUSS** with the relief SED.


14.4.3 **WHEN** relieved of all SED duties, **THEN MAKE** the following announcement:

Attention in the TSC. I have been relieved as SED (or EC) by _____."

14.4.4 **DIRECT** the Emergency Advisor, Operations to notify all ERFs of the turnover.

15.0 **EVENT CLOSEOUT**

15.1 **REVIEW** the event close out conditions per SO123-VIII-10.5. **WHEN** conditions warrant, **THEN CONSIDER** event close out according to the guidance in SO123-VIII-10.5.

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TSC Emergency Advisor, Notifications Position Checklist

Attachment 2

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 6, Emergency Response Log Book
- EP(123) 10, Event Notification Form
- EP(123) 11, Verbal Notification Form

1.2 ESTABLISH AND MAINTAIN a log of all decisions and actions required by EIPs, **AND IDENTIFY** items requiring feedback.

1.3 SIGN-ON to Staffing Board.

1.4 OBTAIN emergency status from status boards and ERO leaders and previous ENF/VNFs for the event.

1.5 MAINTAIN the Notification Status Board with the assistance of the TSC Manager.

1.6 MONITOR the Yellow Phone using the orator if needed.

1.7 COMPLETE Form EP(123) 11, Verbal Notification, based on Event declaration, PAR upgrade, start or stop of radiological release, activation of the EOF/Alternate EOF, **AND FOLLOW-UP OR CLOSE-OUT** message requirements.

1.8 OBTAIN EC initials on verbal notification form for immediate transmission to offsite agencies via the Blue Phone and Yellow Phone.

1.9 COMPLETE Form EP(123) 10, Event Notification Form **AND OBTAIN** EC initials on form. **DELIVER** form to the Communicator to prepare for transmission.

1.10 REVIEW message for accuracy, correct prior to transmission to the offsite agencies.

1.11 ENSURE the transmitted message is sent by FAX to the State Office of Emergency Services.

1.12 ENSURE NRC is notified immediately following notification to the state and local agencies.



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TSC Emergency Advisor, Notifications Position Checklist

Attachment 2




- 1.13 Before turnover of EC duties to the EOF, **VERIFY** notifications are initiated as soon as possible **AND NO** later than the times indicated below (event declaration/reclassification, PAR upgrade, start or stop of radiological release sets EDT time 0):

NOTIFICATION TIME LIMITS		
TIME LIMIT	NOTIFICATION	RESPONSIBILITY
EDT + 15 minutes	EP(123) 11, Verbal to Local & State	EAN
As soon as possible but within 1 hour of EDT	Red Phone verbal to NRC	OPS
EDT + 30 minutes	EP(123) 10, ENF to Local & State	EAN
EDT + 90 minutes and every 60 minutes thereafter	EP(123) 10, ENF Follow-up	EAN

(EDT = Event Declaration Time)

- 1.14 **WHEN** the SED conducts turnover of EC functions to the EOF, **THEN REVIEW** the status of notifications with the EOF EA, for Notifications to determine which facility should complete the notifications.
- 1.15 Following turnover of EC functions to the EOF, **ENSURE** Shift Communicators are notified of the turnover.
- 1.16 **INFORM** RP Leader, Technical Leader, and Security Leader **WHEN** notification input is due, to allow time to meet requirements for Step 1.13 of this checklist.
- 1.17 Continuously **MONITOR** plant conditions for potential instances of non-compliance with Technical Specifications.
- 1.18 **IF** the TSC Red Phone is continuously manned for a declared event **AND IF** a subsequent notification per 10CFR50.72 is required, **THEN ENSURE** the 10CFR50.72 report is made to the NRC Headquarters Operations Officer **NOT** the NRC phone talker. **INCLUDE** event reclassifications or any 10CFR50.72 reports **NOT** related to the event.
- 2.0 **TURNOVER OF NOTIFICATION DUTIES**
- 2.1 **WHEN** notified by the SED that EC turnover to CED is complete **THEN CONTACT** the EOF EAN for turnover. **ENSURE** EOF EAN is ready to perform emergency notifications.
- 2.2 **TRANSFER** responsibility for notifications.
- 2.3 **NOTIFY** SED/CED/SM turnover of emergency notification duty responsibilities is complete.

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TSC Emergency Advisor, Operations Position Checklist	Attachment 3
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POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book

1.2 ESTABLISH AND MAINTAIN a log of all decisions and actions required by EIPs, **AND IDENTIFY** items requiring feedback.

1.3 REPORT to the SED for assignment.

1.4 OBTAIN initial status of the emergency from status boards and ERO leaders.

1.5 MONITOR the Ivory Phone continuously for plant status.

1.6 REVIEW Emergency Action Levels in SO123-VIII-1 for reclassification and closeout.

1.7 MAINTAIN emergency response team priorities and status on the Team Status Board.



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TSC Radiation Protection Leader Position Checklist

Attachment 4

POSITION CHECKLIST

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NOTE

1. Sections 3.0 through 14.0 provide supplemental instructions for performing the RP Leader duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.


1.0 INITIAL ACTIONS

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) 3, Emergency Exposure Authorization
- EP(123) TSC-3, Control Room Envelope Boundary In-Leakage Graphs
- EP(123) ERO-3, Authorization To Issue Potassium Iodide
- EP(123) ERO-10, Emergency Information

1.2 **REPORT** your presence to the EC/SED.

1.3 **MAINTAIN** a log of decisions and actions required by EPIPs.

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TSC Radiation Protection Leader Position Checklist	Attachment 4
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- 1.4 **INFORM** the OSC RP Coordinator of immediate RP personnel requirements in the TSC.
- 1.5 **START UP** the DACS program in accordance with SO123-VIII-40.200, Raddose-V Dose Assessment.
- 1.6 **ASSUME** the position of Radiation Protection Leader.
 - 1.6.1 **SIGN IN** on the TSC Staffing Board.
 - 1.6.2 **VERIFY** communications devices function.
 - 1.6.2.1 **CHECK** Telephone.
 - 1.6.3 **REPORT** to the Station Emergency Director when ready to assume responsibilities.
- 1.7 **ENSURE** that RP OSC staff is present and ready to perform the following assigned tasks:
 - 1.7.1 In-plant Radiological assessment.
 - 1.7.2 **MAINTAIN** a log of activities.



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TSC Radiation Protection Leader Position Checklist

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NOTE

1) Release Definition:

Radiological Release

Has occurred when there is a measurable increase in radioactive material related to the event that is:
In a pathway to the environment

OR

In the environment as measured by field monitoring.

Radiological Release Has Stopped

When:

There is no longer a pathway to the environment

AND

There are no longer indications of an active radiological release.

2) Federally Approved Operating Limits:

a. If the following Gaseous Effluent Radiation Monitors are reading:

$$2(3)RE7870 \geq 4.0 \text{ E5 } \mu\text{Ci/sec}$$

OR

$$\text{Sum of } 2RE7865 \text{ and } 3RE7865 \geq 4.0 \text{ E5 } \mu\text{Ci/sec}$$


OR

2(3)RE7874A1 or 2(3)RE7874B1 = Valid reading above background with a release to atmosphere from an affected Steam Generator.

b. If an Unmonitored release is detectable at the EAB, then check the box, "above" Federally Approved Operating Limits.

c. If a Notification of Unusual Event is declared in accordance with SO123-VIII-1, Initiating Condition (IC) AU1, then check the box, "above" Federally Approved Operating Limits.

d. If there is no information confirming an unmonitored release, then check the box, "below" Federally Approved Operating Limits as specified in the Offsite Dose Calculation Manual (ODCM).

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2.0 **CONTINUING ACTIONS**

2.1 **DETERMINE** the status of TSC/OSC habitability.

NOTE

The TSC shall be considered habitable if **NO** radiological release has occurred.

- 2.1.1 **ENSURE** regular doors are closed.
- 2.1.2 **ENSURE** TSC habitability surveys are conducted periodically and the results are reported to the Station Emergency Director.
- 2.1.3 **IF** radiological conditions or other personnel safety considerations dictate, **THEN** **RESTRICT** egress and ingress to the facility.
- 2.1.4 **ENSURE** personnel entering the TSC perform personnel contamination monitoring **WHEN** environmental release levels dictate a need for contamination control.


CAUTION

Egress and Ingress of the TSC must be strictly controlled during events which could produce a hazardous environment outside of the TSC habitability envelope. Personnel safety and contamination control aspects must be strongly considered prior to allowing movement of personnel out of or into the TSC.

- 2.1.5 **PROVIDE** necessary instructions to the Security Coordinator so that security personnel can ensure the movement restrictions are enforced with respect to the TSC.
- 2.1.6 **COORDINATE** a plant wide announcement with the TSC Manager to advise ERO personnel of the details on movement restrictions.
 - Restricted areas or areas to be avoided.
 - Any precautions to be taken if limited movement is allowed.
 - Any additional or special monitoring needed.


2.2 **RECOMMEND** radiation protection measures.

- 2.2.1 **CONTACT** the TSC Technical Leader and determine the extent and consequences of radiological releases and plant conditions.
- 2.2.2 **BRIEF** the Station Emergency Director on in-plant radiological concerns.

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- 2.2.3 **KEEP** the Chemistry/RP Leads informed of any changing radiological conditions that may affect team safety.
- 2.2.4 **RELAY** any radiological control information determined to be necessary for security personnel stationed in the field, to the TSC Security Leader, including the security personnel conducting the vehicle patrol of the OCA.
 - 2.2.4.1 IF it is determined the vehicle patrol route of the OCA should be modified based on actual or potential radiological release, THEN **COORDINATE** the appropriate route with the TSC Security Leader.
 - 2.2.4.2 IF it is determined stationed security personnel should be moved based on actual or potential radiological release, THEN **COORDINATE** movement of personnel with the TSC Security Leader.
- 2.3 **PERFORM** dose assessment calculations in accordance with SO123-VIII-40.200, Raddose-V Dose Assessment.
 - 2.3.1 **PRINT** out at least the Header Pages from the Report menu upon completion of each dose assessment calculation.
 - 2.3.2 **ASSESS** radiological doses.
 - 2.3.3 **OBTAIN** initial estimates of the radiation dose of exposed personnel as quickly as possible.
 - 2.3.4 **REPORT** any overexposures to the NRC.
 - 2.3.5 **UPDATE** existing Special Work Permits as station conditions change and information becomes available.
 - 2.3.6 WHEN authorized by the Corporate Emergency Director/Emergency Coordinator, THEN **OBTAIN** KI and Patient Package Inserts and distribute.
 - 2.3.6.1 In addition to OSC repair teams, **ENSURE** Security personnel stationed in various locations in the field are considered, including the Security personnel performing the vehicle patrol of the OCA.
 - 2.3.7 **DETERMINE** the need to evacuate non-ERO personnel to offsite locations and make this recommendation to the Station Emergency Director (required at Site Area and General Emergencies).
- 2.4 **REQUEST** TSC RP Leader for a plant vent sample from the appropriate release point and an isotopic printout to assist with verification of iodine concentration being released.
- 2.5 IF pertinent data is available, THEN **PERFORM** comparisons to Raddose - V actual dose assessment calculations and onsite/offsite field monitoring team observed dose rates.

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- 2.6 **PROVIDE** NRC with requested data to enable them to perform dose assessment calculations using RASCAL.
- 2.7 **PERFORM** comparisons to Raddose-V actual dose assessment calculations and RASCAL dose assessment calculations.
- 2.8  **IF** an accident related radiological release begins, **THEN PERFORM** dose assessment calculations every 15 to 30 minutes based on the latest source term provided by the Technical Leader or monitoring readings from CFMS.
- 2.8.1 **IF** performing "What If" dose assessment calculations, **THEN** One Raddose-V computer may be used for that purpose (**ENSURE** "What If" is written on any printouts).
- 2.8.2 **IF** the TSC Technical Team Mitigator is **NOT** available, **THEN** based on where a radiological release is occurring, **OBTAIN**:
- The sum of the actual release rates from Units 2 and 3 Plant Vent Stack Monitor (2RE7865 and 3RE7865) from DAS Computer.
 - Effluent monitor readings from CFMS, Main Menu, TSC/EOF, ERDS, Page 2 or from the Display Directory, Page 352 of CFMS.
- 2.8.3 **IF** Raddose-V is **NOT** operational **OR IF** requested, **THEN PERFORM** manual dose assessment calculations in accordance with SO123-VIII-40.100, Dose Assessment.
- 2.8.4 **IF** an accident related radiological release subsequently occurs, **THEN RESTART** Raddose-V Dose Assessment Computer in order the proper reactor trip time and/or release time is used in the dose assessment calculations.
- 2.8.5 **COMPARE** the results of the offsite dose assessment calculation against Emergency Action Level criteria in SO123-VIII-1, Category A.
- 2.9 **DIRECT** radiological surveys and decontamination actions.
- 2.9.1 **DETERMINE** the need for RP Technicians to accompany OSC teams based on current available information and future trends.
- 2.9.2 **CONTACT AND DIRECT** the Chemistry/RP Lead to assign an RP Technician to meet operators at a predetermined location for teams dispatched from the Control Room.
- 2.10 **ASSIST** in the assessment of offsite consequences.
- 2.10.1 **REVIEW** results of release rate and dose projections from Raddose V **AND INFORM** the Station Emergency Director. **IF** Raddose V is performed, **THEN PRINT** the results.
- 2.10.1.1 **PROVIDE** technical expertise on release rates and dose projections.
- 2.10.1.2 **DETERMINE** if a field based correction factor shall be applied to dose projections.

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- 2.11 **PARTICIPATE** in periodic plant status updates as requested by the Station Emergency Director.
- 2.11.1 **DISCUSS** available radiological release data.
 - 2.11.2 **DISCUSS** protective measures in effect.
 - 2.11.3 **DISCUSS** protective measures in effect.
 - 2.11.4 **DISCUSS** ERF habitability.
 - 2.11.5 **DISCUSS** in-plant radiological conditions affecting repair/reentry efforts.
 - 2.11.6 **DISCUSS** nuclear chemistry data available.
 - 2.11.7 **DISCUSS** personnel exposure status (over-exposures, contamination, etc.).
 - 2.11.8 **DISCUSS** problem areas requiring resolution.
- 2.12 **CONDUCT** shift turnover.
- 2.12.1 Upon the CED taking Emergency Coordinator function from the SED, **TURNOVER** dose assessment duties to the EOF RP Team.
 - 2.12.2 **SWITCH** from CONTROL mode to SLAVE mode.
- 2.13 **INITIATE** recovery plans.
- Posting and access control for contaminated areas
 - Decontamination practices to be utilized
 - Post-accident radiological surveys and samples
 - Instructions to personnel arriving to or leaving from the site
 - Coordination of the radiological controls with Operations and Technical Leaders to recover plant systems and provide Technical Specification access

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2.14 Upon event termination, **ENSURE** all items have been returned to a state of readiness.

2.14.1 **COMPLETE** all checklist items.

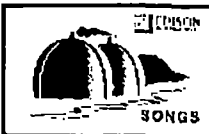
2.14.2 **RETURN** the workstation to its original condition.

2.14.3 **RETURN** all document binders to their storage location.

2.14.4 **RETURN** any emergency response equipment to its original location.

2.14.5 **PROVIDE** all paperwork to the Security Coordinator.

2.14.6 **DE-ACTIVATE** the TSC Emergency Ventilation System.



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SUPPLEMENTAL POSITION INSTRUCTION


NOTE

1. Sections 3.0 through 14.0 provide supplemental instructions for performing the RP Leader duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

3.0 CONTINUING ACTIONS

3.1 IF a radiological airborne release starts or stops, THEN **PERFORM** the following:


- 3.1.1 **NOTIFY** the SED of the start or stop of any radiological release.
- 3.1.2 **NOTIFY** the TSC Emergency Advisor, Notifications of the start or stop of a radiological release.
- 3.1.3 **MAKE** an announcement in the TSC of the start/stop of the radiological release including applicable time.
- 3.1.4 **OBTAIN** a gross activity source term in accordance with SO123-VIII-40.100, Dose Assessment, or WHEN available, an isotopic source term from the TSC Technical Leader.
- 3.1.5 **PERFORM** dose assessment using the Dose Assessment Computer or in accordance with SO123-VIII-40.100, Dose Assessment.
- 3.1.6 **REVIEW** the dose assessment results against Category A Emergency Action Limits (Abnormal Rad Release/RAD Effluent).
- 3.1.7 **INFORM** the SED of any potential changes in Event Classification based on review of dose assessment results.

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CAUTION

The Self-Reading Dosimeter (SRD) correction factor calculated by the Dose Assessment Computer or SO123-VIII-40.100 is based upon Exclusion Area Boundary (EAB) dose rates and may result in underestimating TEDE for emergency workers.

- 3.1.8 IF a release is in progress, **THEN DETERMINE** the SRD correction factor by using actual in-plant air sample results (CEDE) compared to gamma dose rates, SO123-VIII-40.100, Dose Assessment, or the Dose Assessment Computer.
- 3.1.8.1 **FORWARD** the SRD correction factor to the EOF RP Leader to assist in determining the TEDE for response teams.
- 3.1.8.2 IF SRD correction factors are **NOT** available, **THEN USE** an SRD correction factor of one (1) IF fuel cladding integrity is intact or five (5) IF cladding integrity is unknown or lost.
- 3.1.9 IF field monitoring results obtained from the EOF RP Leader do **NOT** match the calculated dose projections, **THEN REFINE** the dose projections by performing a calculation using field monitoring results, or account for the differences.
- 3.1.10 **INFORM** the Emergency Response Organization (ERO) of wind direction and radiological plume conditions. The information may be relayed via the Emergency Advisor, Operations.
- 3.1.11 IF the containment has a significant source term, **THEN REQUEST** the EOF RP Leader to continuously survey onsite radiological conditions for indications of an unmonitored release.
- 3.1.12 **PROVIDE** radiological data to the Emergency Advisor, Notifications or EC as soon as possible following event declaration/reclassification, and as requested thereafter.
- 3.1.13 **PROVIDE** initial and periodic updates of radiological information to the ERO.
- 3.1.14 **ESTABLISH** contact with the EOF RP Leader via the RP (Beige) phone, **AND PROVIDE** the following:
- Status of radioactive releases
 - Actual and projected plume dose rates
 - Other Radiation Protection data

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4.0 **EVENT RECLASSIFICATION**

4.1 **REVIEW** the Category A Emergency Action Levels (EALs) of SO123-VIII-1, Recognition and Classification of Emergencies.

4.1.1 **INFORM** the SED WHEN conditions change which may affect the current event classification.

4.1.2 **REVIEW** the remaining EAL Categories of SO123-VIII-1.

4.1.2.1 WHEN the conditions have changed which may affect the current event classification, THEN INFORM the SED.

4.1.3 **ENSURE** the EOF RP Leader and the OSC RP Coordinator are aware of reclassification.

5.0 **EXPOSURE CONTROL**

5.1 Local Area Exposure Control


5.1.1 IF any of the hazards listed below exist, THEN INITIATE a Local Area Evacuation OR CONTACT the Operations Leader AND RECOMMEND a Local Area Evacuation.

5.1.1.1 IF any of the hazards listed below affect major portions of the Protected Area or Owner Controlled Area, THEN CONTACT the SM or SED AND RECOMMEND a site assembly or evacuation. IF any of the hazards listed below affect a major portion of the Mesa Area, THEN CONTACT the SM or SED, AND RECOMMEND a Mesa Area assembly or evacuation.

- High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
- Spills of radioactive material which may result in excessive personnel exposure
- Fire in any occupied area
- Toxic/flammable gases or heavy smoke reported
- Chemical hazards to personnel
- High pressure steam or water leaks
- Security hazards which threaten personnel or equipment safety

5.1.2 Assembly Area Exposure Control

5.1.2.1 **PROVIDE** pathway information to the TSC Security Leader and the TSC Emergency Planning Coordinator for inclusion in the PA announcements.

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- 5.1.2.2 IF relocation **OR** evacuation of assembly areas is required, **THEN INFORM** the EC/SED/CED.
- 5.1.3 Control Room Exposure Control (Units 2/3)
- 5.1.3.1 IF dose for control room operators could exceed 5 rem TEDE or 25 rem Thyroid Committed Dose Equivalent (CDE) for the duration of the emergency, **THEN**:
- 5.1.3.2 **INITIATE** Emergency Exposure Authorization in accordance with Step 5.1.7.
- 5.1.3.3 **CONSIDER** issuing Potassium Iodide to affected personnel in accordance with Section 6.0.
- 5.1.3.4 IF implemented controls prove ineffective, **THEN CONTACT** the EC/SED **AND RECOMMEND** an evacuation of the Control Room.
- 5.1.4 Emergency Response Personnel Exposure Control
- 5.1.4.1 IF personnel exceed **OR** may have exceeded the values stated in 10CFR20.2202, **THEN INFORM** the Emergency Advisor for Notifications.
- 5.1.4.2 IF there are indications of elevated RCS activity, **THEN EVALUATE** internal exposure of personnel exposed to airborne radioactivity.
- 5.1.4.3 IF a Site Area Emergency is declared, or a radioactive release occurs, **THEN PROHIBIT** eating or drinking in the TSC and Control Room.
- 5.1.4.4 IF radiological conditions permit, **THEN RESTORE** eating or drinking.
- 5.1.4.5 IF indications of increased radiological hazard becomes apparent, **THEN INFORM** the OSC RP Coordinator immediately. **PAY** particular attention to radiological releases and increasing dose rates caused by changing plant conditions.
- 5.1.4.6 IF radiological conditions inside the facility exceed 5 mrem/hr Deep Dose Equivalent (DDE), 0.3 DAC-hours iodine, or 1000 dpm/100cm² loose surface contamination, **THEN CONSIDER** relocation to an alternate facility for the facilities listed below:
- Security Posts
 - Units 2/3 TSC and OSC
- 5.1.5 IF evacuation is **NOT** feasible, **THEN**:
- 5.1.5.1 **ISSUE** SRDs to affected personnel.
- 5.1.5.2 **EVALUATE** the need for appropriate respiratory protection.
- 5.1.5.3 **VERIFY** personnel required to wear respiratory protection are qualified.



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- 5.1.5.4 **DISTRIBUTE** respiratory protection to affected personnel.
- 5.1.5.5 **CONSIDER** evacuating non-respirator qualified personnel affected by the radioactive airborne release.
- 5.1.5.6 **CONSIDER** issuing Potassium Iodide in accordance with Section 6.0.
- 5.1.6 IF evacuation of a facility is required, THEN:
 - 5.1.6.1 **DESIGNATE** route/protective gear needed for transition to alternate facility.
 - 5.1.6.2 IF radiological release is occurring or has occurred, THEN **DISPATCH** RP technicians to the evacuation route to assess radiological hazards and assist with evacuation.
 - 5.1.6.3 **INSTRUCT** RP technicians at the alternate facility to establish **AND POST** step off pads and frisking stations at the entrance(s).
 - 5.1.6.4 IF evacuating the TSC, THEN **USE** the Dose Assessment Computer in the EOF.
 - 5.1.6.5 **TAKE** with you materials and equipment necessary to perform emergency response functions at the alternate facility.
 - 5.1.6.6 **KEEP** all personnel grouped together.
 - 5.1.6.7 **OBTAIN** SM/SED authorization to exceed 10CFR20 exposure limits for those personnel left behind in the evacuated facilities in accordance with (IAW) Emergency Plan Implementing Procedures (EPIPS).
- 5.1.7 Emergency Exposure Authorization
 - 5.1.7.1 IF a task to protect valuable property, save lives, or protect a large population would result in an exposure greater than 5 rem TEDE, THEN:
 - 5.1.7.1.1 **INFORM** the SM, SED, and CED that the task will result in an exposure greater than 5 rem TEDE and that Emergency Exposure Authorization will be required to continue.
 - 5.1.7.1.2 IF the task is expected to exceed 5 rem TEDE, THEN responders should be volunteers.
 - 5.1.7.1.3 Tasks solely to protect valuable property SHALL **NOT** exceed 10 rem.
 - 5.1.7.1.4 Tasks to save a life or protect large numbers of members of the general public from significant radiation exposure SHALL be performed by volunteers, and have **NO** upper exposure limit.



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- 5.1.7.2 Process Emergency Exposure Authorization
- 5.1.7.2.1 As time permits, **DISTRIBUTE** Form EP(123) 3, Emergency Exposure Authorization, to volunteers.
- 5.1.7.2.2 **ENSURE** volunteers read and understand the sections on emergency exposure guidelines and effects of acute radiation exposures.
- 5.1.7.2.3 IF authorization is given, THEN **OBTAIN** volunteers **AND CONSIDER** the following:
- Declared pregnant woman should **NOT** be selected.
 - All considerations equal, the individual should be over age 45.
- 5.1.7.2.4 **BRIEF** the individual(s) on the following (IF practical, THEN have RP brief the individual(s) on radiological conditions and dose information):
- specific job
 - Radiological conditions
 - Protective measures
 - Anticipated acute dose
 - Exposure **NOT** to exceed 10 rem TEDE for protection of valuable property
- 5.1.7.2.5 **OBTAIN** the following signatures:
- Volunteer signs Section 4 and Section 6
 - Briefer signs Section 5
 - SM/SED signs Section 7
- 5.1.7.3 In order to minimize internal exposure, Potassium Iodide (in accordance with Section 6.0) and respiratory protection **SHOULD** be considered.
- 5.1.7.4 The SM/SED approval may be verbal.
- 5.1.7.4.1 Following verbal approval, **FORWARD** the form to the SM/SED (either in the CR or TSC) for signature.
- 5.1.7.5 **CONDUCT** a post exposure evaluation of all personnel who receive an internal or external exposure in excess of 10CFR20 limits.
- 5.1.7.5.1 **SCHEDULE** a medical evaluation from the designated primary SCE Physician or alternate.



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- 5.1.7.5.2 IF internal exposure is suspected, THEN SCHEDULE bioassays to evaluate exposure.
- 5.1.7.5.3 **RESTRICT** the individual(s) from further occupational exposure during the calendar year until an evaluation is completed.
- 5.1.7.5.4 **DETERMINE** the individual's dose using all available data.
- 5.1.7.5.5 **NOTIFY** the NRC of any overexposure pursuant to 10CFR20.2202.

6.0 USE OF POTASSIUM IODIDE (KI)

NOTE

The Control Room Boundary is considered to be inoperational when any condition that causes unfiltered in-leakage greater than allowed by the Control Room Envelope Habitability Program, and a radiological release is in progress.

- 6.1 **ASSESS** the need for the CR and TSC personnel ingest KI and/or don SCBAs IF:
- The Control Room Boundary is considered to be inoperational
 - A radiological release in progress
- 6.2 **REFER** to Form EP(123) TSC-3, Control Room Envelope Boundary In-Leakage Graphs, to help determine if SCBA or KI usage is required.
- 6.3 IF SCE emergency response personnel have been or will be exposed to a Thyroid CDE in excess of 10 rem (5 rem for pregnant or lactating women), THEN CONSIDER the use of KI for SCE emergency response personnel.
- 6.4 IF KI is required, THEN COORDINATE with the EOF RP Leader, OSC RP Coordinator, and SM for distribution.
- 6.5 **ENSURE** the data listed below is documented in Form EP(123) ERO-3, Authorization To Issue Potassium Iodide for each individual authorized to be issued KI:
- Name and Personnel Number or last 4 digits social security number of authorized recipient
 - Calculation of the avoided CDE Thyroid dose which justifies the prescription of KI
- 6.6 **OBTAIN** KI tablets from Emergency Kits AND DISPENSE NO more than one tablet of KI per individual per day.
- 6.7 Offsite Monitoring Teams Emergency Kits contain KI. **INSTRUCT** Monitoring Team members on the issuance of KI while dispatched.



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TSC Radiation Protection Leader Position Checklist

Attachment 4

7.0 SITE EVACUATION

7.1 IF a site evacuation is required, **THEN INFORM** the EC/SED, Security Leader, and EOF RP Leader of the safest evacuation route based upon available radiological data.

7.1.1 **IDENTIFY** to the Security Leader parking lots which are known or likely to have vehicle contamination for the purpose of closing down the parking lots and preventing the use of the vehicles for evacuation.

7.2 IF contamination controls interfere with the safety of personnel during a site evacuation, **THEN DIRECT** the OSC RP Coordinator to discontinue monitoring.

7.3 IF there is a site evacuation with **NO** likelihood of contamination of evacuees or vehicles, **THEN RECOMMEND** to the SM/SED/CED that evacuees be sent directly home.

8.0 EMERGENCY RESPONSE COORDINATION

8.1 IF additional RP personnel are required, **THEN REQUEST** the EOF Administrative Leader to coordinate recall IF the EOF is activated or the OSC RP Coordinator IF the EOF is **NOT** activated.

9.0 MUTUAL AID AGREEMENT

9.1 IF additional assistance is required, (beyond that available from SONGS and local agencies), **THEN REQUEST** the EC/SED to contact the EOF **AND OBTAIN** aid from other utilities or from INPO.

10.0 SUSPENSION OF RADIATION PROTECTION MEASURES

NOTE

Modifying or waiving RP procedures should only be done to facilitate emergency response efforts, decrease the hazards to personnel, or lower the risk to the public.


CAUTION

Departing from a License Condition or Technical Specification requires evaluation of the applicability of 10CFR50.54(x).

10.1 IF RP protective measures (e.g., access control, protective clothing, contamination control, etc.) cause or could cause an increased risk to personnel or the public, **THEN**:

10.1.1 **IDENTIFY**, to the SM/SED, the need to waive or modify contamination control methods.

10.1.2 **WAIVE** RP protective measures with the concurrence of the SM/SED.

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Attachment 4

11.0 **TURNOVER**

11.1 **CONDUCT** turnover with the oncoming RP Leader in accordance with Form EP(123) 5.

12.0 **REENTRY AND RECOVERY**

12.1 Reentry Into Evacuated Areas

12.1.1 **WHEN** requested by personnel coordinating reentry efforts, **THEN PROVIDE** the following RP considerations and support:

- An estimate of the radiological conditions in the area.
- The necessity of re-entering the affected area versus the anticipated exposure.
- Methods of reducing exposure to response teams.
- Whether reentry can be delayed for radioactive decay without affecting plant or personnel safety.

12.1.1.1 **EVALUATE** the total dose to which respondents could be exposed while inside the Restricted Area boundary without their pre-assigned TLD, or outside their Emergency Response Facility.

12.1.1.2 **ASSESS AND ASSIGN** dose **IF** the potential for dose exists. **CONSIDER** the methods listed below:

- **DELIVER** the individual respondent's TLD to the Restricted Area boundary;
- **DELIVER** a different TLD to the boundary for each respondent, **AND ASSIGN** that TLD to the respondent after the fact;
- **ESCORT** respondents through the Contaminated Area and/or Airborne Area in groups, **THEN ASSIGN** the dose on the escort's dosimetry device to each individual escorted;
- **PERFORM** stay time calculations **AND ASSIGN** the estimated dose to each respondent.


13.0 **RECOVERY INITIATION**

13.1 **WHEN** requested by the EC/SED:

13.1.1 **CONTACT** the OSC RP Coordinator to determine the recovery organization staffing requirements.

13.1.2 **PROVIDE** a list of damages or conditions particular to RP which would prevent plant operations from being resumed with the normal Station Organization.

13.1.3 **RECOMMEND** RP personnel and equipment necessary for a Recovery Organization.

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TSC Radiation Protection Leader Position Checklist

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13.1.4 INITIATE recovery plans.

- Posting and access control for contaminated areas
- Decontamination practices to be utilized
- Post-accident radiological surveys and samples
- Instructions to personnel arriving to or leaving from the site
- Coordination of the radiological controls with Operations and Technical Leaders to recover plant systems and provide Technical Specification access

14.0 EVENT CLOSEOUT

14.1 IF radiation levels and airborne concentrations in all areas are stable or decreasing, THEN INFORM the EC.



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TSC Manager Position Checklist

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POSITION CHECKLIST

TSC Manager Supplemental Position Instructions Table of Contents

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NOTE

1. Sections 3.0 through 11.0 provide supplemental instructions performing the TSC Manager duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) ERO-4, Site and Local Assembly Area Tracking Sheet
- EP(123) ERO-6, Assembly Area Briefing Script
- EP(123) ERO-7, PA/Siren Coordination

1.2 **ASSUME** the position of TSC Manager.

- 1.2.1 **IF** the SED has **NOT** arrived, **THEN IMPLEMENT** Attachment 1, Station Emergency Director Checklist, **AND BEGIN** SED duties until the SED arrives - **ONLY IF SED QUALIFIED**.
- 1.2.2 **PERFORM** SED duties **IF** he/she becomes incapacitated, during temporary absence of SED, or upon request of SED - **ONLY IF SED QUALIFIED**.
- 1.2.3 **INITIATE** TSC Manager Duties **IF NOT** performing SED duties.

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- 1.2.4 **WHEN** SED is acting as EC, **THEN ASSIST** the SED / EC with assembly and evacuation by implementing Form EP(123) ERO-7, PAVSiren Coordination.
- 1.3 **MAINTAIN** a log of activities
- 1.4 Facility Activation:
 - 1.4.1 **REPORT** to the SED **AND REVIEW** staffing requirements.
 - 1.4.2 **REMIND** personnel to sign-in on the Minimum Staffing Board.
 - 1.4.3 **REMIND** personnel to log into the PAPA system for accountability.
 - 1.4.4 **REMIND** personnel to check PAX phones for dial tone and the ringer control is turned on.
 - 1.4.5 **ENSURE** leader books are distributed **AND ASSIST** in facility setup.
 - 1.4.6 **SYNCHRONIZE** the YPS and FAX clocks to the TSC wall clock. (Atomic Clock)
 - 1.4.7 **OBTAIN** initial information for the Notification Status Board.
- 1.5 PAVSiren Coordination:
 - 1.5.1 **START** PA/siren activation immediately following change of emergency class.
 - 1.5.2 **IF** the PAR includes "Evacuate State Beach", **THEN REQUEST** the Units 2/3 Operations Leader to make a PPAS announcement per SO23-VIII-30.
 - 1.5.3 **REVIEW** onsite siren surveillance summary in the TSC Manager notebook.
 - 1.5.4 **DIRECT** Security to sweep areas where sirens do **NOT** work.
- 1.6 Notifications prior to EC turnover to CED:
 - 1.6.1 **ENSURE** Emergency Advisor, Notifications (EAN) initiates offsite notifications immediately following change of emergency class, upgrade in PAR including additional PAZ(s), start or stop of a radiological release.
 - 1.6.2 **ENSURE** EAN completes Blue Phone verbal **AND FAX** messages.
 - 1.6.3 Upon turnover of EC duties to the CED, **FAX** the completed Form EP(123) EC-1, Emergency Coordinator Turnover Status, to the EOF.
 - 1.6.4 **ENSURE** the EAN is making notifications per SO123-VIII-30.7, and time requirements are being met.



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- 1.6.5 **ASSIST** the Emergency Advisor, Notifications with printed message notification hand drafted Event Notification Form (ENF) to ensure sufficient time to meet the 30-minute requirement.

1.7 Repetitive Actions:



- 1.7.1 **ENSURE** the SED provides facility briefings about every 30 minutes.
- 1.7.2 **ENSURE** plant status PA announcements are made to site personnel when directed following SED briefing. Siren activation is **NOT** required for this announcement.
- 1.7.3 **COORDINATE** the timing of site assembly or site evacuation PA announcements with the Security Leader.

NOTE

ESSENTIAL PERSONNEL: For the purpose of evacuating the Protected Area in the event of a Hostile Action or Threat (Code Red / Code Blue), ESSENTIAL PERSONNEL are those who fill Operations Technical Specifications minimum manning, Security minimum manning, RP Supervisor, Shift Rotating General Foreman, and Incident Commander.

2.0 PA/SIREN COORDINATION



NOTE

PA/Siren Coordination should be performed within 15 minutes of event declaration.

- 2.1 For each siren activation required, **REQUEST** the Emergency Advisor, Operations to contact Units 2/3 Operations Leader on the Ivory Phone and have them stand by for siren activation.


NOTE

When directed, a Units 2/3 operator will press the PA Tone Generator "Siren All" button until the light comes on, then immediately press the Emergency Evacuation Siren start button (HS-7890-1) on CR 57.

- 2.2 With input from the SED **AND** IF time permits a peer check, **THEN PREPARE** Site Public Address System message, using Form EP(123) ERO-7, PA/Siren Coordination, page 1 for non-security events, page 2 for Code Red security events, or page 3 for Code Blue security events.




- 2.3 **CUE** the EA, Operations to direct the Operations Leader to perform siren activation for 60 seconds.

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- 2.4 After the sirens have stopped, **REPEAT** the appropriate site PA announcement from this attachment two times.
- 2.5 IF the PAR includes "Evacuate State Beach", THEN REQUEST the Units 2/3 Operations Leader to make a PPAS announcement per SO23-VIII-30.
- 2.6 **REVIEW** onsite siren surveillance summary in the TSC Manager notebook.
 - **DIRECT** Security to sweep areas where sirens do **NOT** work

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SUPPLEMENTAL POSITION INSTRUCTION

NOTE

1. Sections 3.0 through 11.0 provide supplemental instructions for performing the TSC Manager duties and may be referenced for clarification of duties.
2. Steps may be performed in any order or concurrently.
3. The following steps are an enhancement to the position checklist. Placekeeping is not required.

3.0 FACILITY ACTIVATION:

- 3.1 **REPORT** to the SED **AND** **REVIEW** staffing requirements.
- 3.2 **REMIND** personnel to sign-in on the Minimum Staffing Board.
- 3.3 **REMIND** personnel to log into the PAPA system for accountability.
- 3.4 **REMIND** personnel to check PAX phones for dial tone and the ringer control is turned on.
- 3.5 **UNLOCK** all emergency response cabinets and equipment.
- 3.6 **ENSURE** leader books are distributed **AND** **ASSIST** in facility setup.
- 3.7 **SYNCHRONIZE** the YPS **AND** **FAX** clocks to the TSC wall clock. (Atomic Clock)
- 3.8 **OBTAIN** initial information for the Notification Status Board.

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4.0 **PA/SIREN COORDINATION**

4.1 **START** PA/siren activation immediately following change of emergency class.

4.2 For each siren activation required, **REQUEST** the Emergency Advisor (EA) Operations to contact Units 2/3 Operations Leader on the Ivory Phone and have them stand by for siren activation.

4.3 **PREPARE** Site Public Address System message, with input from the SED **AND IF** time permits a peer check, using Form EP(123) ERO-7, PA/Siren Coordination page 1 for non-security events, page 2 for Code Red security events, or page 3 for Code Blue security events.



4.4 **CUE** the EA, Operations to direct the Operations Leader to perform siren activation for 60 seconds.

4.5 **AFTER** the sirens have stopped, **THEN REPEAT** the appropriate site PA announcement from this attachment two times.

4.6 **IF** the PAR includes "Evacuate State Beach", **THEN REQUEST** the Units 2/3 Operations Leader to make a PPAS announcement per SO23-VIII-30.

4.7 **REVIEW** onsite siren surveillance summary in the TSC Manager notebook.

4.8 **DIRECT** Security to sweep areas where sirens do **NOT** work.

4.9 **IF** the PAR includes "Evacuate State Beach", **THEN REQUEST** the Units 2/3 Operations Leader to make a PPAS announcement per SO23-VIII-30.

4.10 **REVIEW** onsite siren surveillance summary in the TSC Manager notebook.

4.11 **DIRECT** Security to sweep areas where sirens do **NOT** work.

5.0 **NOTIFICATIONS PRIOR TO EC TURNOVER TO CED**

5.1 **ENSURE** EAN initiates offsite notifications immediately following change of emergency class, upgrade in PAR including additional PAZ(s), start or stop of a radiological release.

5.2 **ENSURE** EAN completes Blue Phone verbal **AND FAX** messages.

5.3 Upon turnover of EC duties to the CED, **THEN FAX** the completed Form EP(123) EC-1, Emergency Coordinator Turnover Status to the EOF.



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NOTE

Verbal Notification to the California Office of Emergency Services (CAL OES) shall be made within 15 minutes after event declaration.
(NN 202331903-CA0003)

5.4 **ENSURE** the EAN is making notifications per SO123-VIII-30.7, and time requirements are being met.



5.5 **ASSIST** the EAN with printed message notification hand drafted Form EP(123) 10, Event Notification Form (ENF) to ensure sufficient time to meet the 30-minute requirement.

6.0 REPETITIVE ACTIONS



6.1 **TRACK** SED briefings (approximately every 30 minutes).

6.2 **MAKE** brief site PA announcement following SED briefing (as directed by the SED). Siren activation is **NOT** required for this announcement.

7.0 SITE AREA EMERGENCY/SITE ASSEMBLY

7.1 **TRACK** activation of Site and Local Assembly Areas using Section 3.0 of Form EP(123) ERO-4, Site and Local Assembly Area Tracking Sheet.

7.2 **COORDINATE** with TSC RP Leader to identify the following:

7.2.1 Alternate assembly area(s) when an assembly area(s) is contaminated or when radiation levels are high near an assembly area.

7.3 **CONTACT** affected assembly area with relocation information.

7.4 **UPDATE** Section 3.0 of Form EP(123) ERO-4, Site and Local Assembly Area Tracking Sheet, with the following information:

7.4.1 Updated Assembly Locations.

7.4.1.1 Parking lot(s) inaccessible due to radiological or other hazardous conditions.

7.4.2 **FILL-OUT AND UPDATE** information found in Form EP(123) ERO-6, Assembly Area Briefing Script.

7.4.2.1 **OBTAIN** SED review and approval on Form EP(123) ERO-6 prior to disseminating information to Assembly Areas.

7.4.2.2 Continuously **UPDATE** all Assembly Area Coordinators using Form EP(123) ERO-6.



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- 7.4.2.3 **OBTAIN** a head count of carpool riders who need transportation from Assembly Area Coordinators.
- 7.4.2.4 **COORDINATE** with RP and Security Leaders (SL) to obtain a count of vehicles affected by actual or potential parking lot closures given current or forecast radiological and weather conditions.
- 7.4.2.5 **ESTIMATE** number of 40 passenger buses that may be required using the following calculation:

Buses Required = (Impacted Vehicles + carpool riders who need transportation) X 0.03125

(Number of Buses _____)

- 7.4.2.6 **CONTACT** Corporate Support **AND REQUEST** number of buses required.
(Contact number is listed in the ERTD)

8.0 **SITE EVACUATION**


8.1 **WHEN** a site evacuation has been directed by EC/SED, **THEN**:

- 8.1.1 **OBTAIN** direction from RP Leader for evacuation via north, south, or normal departure routes.
- 8.1.2 **ENSURE** Assembly Area coordinators received PA information **AND VERIFY** evacuation direction (north, south, or normal departure routes).
- 8.1.3 **ENSURE** Assembly Area coordinators hold personnel whose transportation is inaccessible until requested transportation arrives.

9.0 **REPETITIVE ACTIONS**



- 9.1 **ENSURE** the SED provides facility briefings about every 30 minutes.
- 9.2 **ENSURE** plant status PA announcements are made to site personnel when directed following SED briefing. Siren activation is **NOT** required for this announcement.
- 9.3 **COORDINATE** the timing of site assembly or site evacuation PA announcements with the Security Leader.
- 9.4 **REVIEW** this entire checklist and attachment frequently, specifically after emergency class changes.

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10.0 **TURNOVER**

10.1 **CONDUCT** turnover using Form EP(123) 5.

10.2 **RECORD** completion of the turnover in the TSC Manager Log.

10.3 **REPORT** completion of turnover to the facility leader.

11.0 **EVENT CLOSEOUT**

11.1 **ENSURE** close-out notifications are performed, from the TSC or EOF.

11.1.1 **PROVIDE** the facility leader with a status of closeout notifications and communications equipment in the facility (i.e., Yellow Phone, Blue Phone and Siren Systems).

11.1.2 **PERFORM** site-wide public address (PA) announcements (TSC).

11.2 **RESTORE** emergency equipment to designated locations **THEN** **LOCK** drawers and E-kits.

11.3 **COLLECT** all facility paperwork, **ERASE** white-boards **AND** **STRAIGHTEN** up facility.



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TSC Technical Leader Position Checklist

Attachment 6

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) 7, Effluent Source Term Evaluation

OR

- CH(123) 5-65, UNITS 2/3 Source Term Calculation Worksheet

1.2 **ESTABLISH AND MAINTAIN** a log using Form EP(123) 6.

1.3 WHEN ready to perform your ERO function, THEN SIGN-IN on the minimum staffing board.

1.4 WHEN the Technical Team is staffed and ready, THEN NOTIFY the SED.

1.5 **CONTACT** the Operations Leader for plant status.

1.6 **REVIEW** this checklist to ensure implementation of Technical Team tasks.

1.7 IF a release is in progress or imminent, THEN:

1.7.1 **ESTIMATE** the Noble Gas release rate, THEN:

1.7.2 **FORWARD** Noble Gas release rate estimates to the TSC Radiation Protection (RP) Leader.


1.8 **DIRECT** the OSC Chemistry Coordinator to sample the effluent release path for isotopic makeup AND RELEASE rate determination.

1.8.1 WHEN sample is received from the OSC Chemistry Coordinator, THEN DETERMINE:

1.8.1.1 Actual isotopic makeup where possible.


1.8.1.2 Actual release rate.

1.9 **FORWARD** the result of the actual isotopic makeup and actual release rate to the TSC RP Leader for use in the dose assessment calculations using Form EP(123) 7 or Form CH(123) 5-65.

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TSC Technical Leader Position Checklist	Attachment 6
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- 1.10 For Alert or higher emergency classes, **VERIFY** the Emergency Response Data System (ERDS) is functioning and CFMS appears to be operating.
 - 1.10.1 IF ERDS is **NOT** functioning, THEN REQUEST the Red Phone Communicator to **NOTIFY** the NRC.
 - 1.10.1.1 **PRINT** the ERDS 2 pages located under the Main Menu TSC/EOF icon.
 - 1.10.1.2 **FILL** out the PWR 2-Loop Parameter Data Form for SONGS.
 - 1.10.1.3 **REQUEST** the TSC Manager, or designee, transmit the ERDS 2 page printout, or PWR 2-Loop Parameter Data Form for SONGS to NRC Headquarters using fax number 1-301-816-5151.
- 1.11 WHEN available OR WHEN significant changes occur, THEN ENSURE the following are announced over the Ivory Phone:
 - Leak rate calculation
 - Time to core uncover
 - Core damage assessment
 - Source Term Calculation
- 1.12 **CALCULATE** RCS Leak Rate AND ANNOUNCE results over the Ivory Phone.
- 1.13 **CALCULATE** the Containment/System leakage for unmonitored pathway source terms.
- 1.14 **CALCULATE** Time to Core Uncover.
 - 1.14.1 **PROVIDE** results to the SED AND ANNOUNCE results over the Ivory Phone.
- 1.15 **PERFORM** Core Damage Assessment using SO23-VIII-50.3, Core Damage Assessment.
- 1.16 **PERFORM** Core Reactivity Assessments AND ANNOUNCE results over the Ivory Phone.
- 2.0 **LOCAL AREA EVACUATION**
 - 2.1 IF the TSC is evacuated, THEN PROCEED to the alternate TSC as directed by Radiation Protection (RP) and the TSC Manager.
 - 2.2 **TRANSFER** information on the plant status board to hardcopy sheets (located in the Technical Leader notebook).
 - 2.3 **TAKE** CFMS printouts, emergency calculation manual, and plant status sheets to the alternate facility.

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TSC Technical Leader Position Checklist

Attachment 6

3.0 **EMERGENCY RESPONSE COORDINATION**

3.1 Event Classification

- 3.1.1 **REVIEW** Emergency Action Levels found in SO123-VIII-1, Recognition and Classification of Emergencies.
- 3.1.2 **INFORM** the SED of changing conditions which affect the event classification.
- 3.1.3 **ENSURE** all personnel in the Technical Team are aware of the reclassification.

3.2 Protective Action Guides

- 3.2.1 **INFORM** the RP Leader of any significant information or changes with respect to leak rates, system performance, etc., which may affect radiological conditions or impact onsite or offsite protective actions.

NOTE


The Post Accident Sampling System (PASS) is retired in place except for depressurized grab sampling. PASS would typically be used during the recovery/re-entry phase of an emergency. Performance of this type of sampling will require "just-in-time" training of Chemistry Technicians and functional testing of associated components.

3.3 Post-Accident Sampling

- 3.3.1 **DISCUSS** the need with Team Assessor, **AND IF** requested, **THEN PERFORM** a depressurized grab sample:
 - 3.3.1.1 **ARRANGE** for functional testing of PASS and associated components.
 - 3.3.1.2 **ARRANGE** for "just-in-time" training for Chemistry sample team.

3.4 Tech Team Augmentation and Tracking

- 3.4.1 **IF** additional Technical personnel are needed, **THEN REQUEST** the EOF Administrative Leader to recall specific individuals.
- 3.4.2 **DISPATCH** personnel for assignments outside the TSC through the Emergency Group Leader in the OSC.

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TSC Technical Leader Position Checklist

Attachment 6

4.0 **TURNOVER**

4.1 **WHEN** a relief Technical Leader arrives at the TSC, **THEN**:

- 4.1.1 **CONDUCT** turnover with the oncoming Technical Leader in accordance with Form EP(123) 5, Turnover Status.
- 4.1.2 **RECORD** turnover status in the Technical Leader Log.
- 4.1.3 **LOG IN** to PAPA **AND CHANGE** the minimum staffing board.
- 4.1.4 **REPORT** completion of turnover to the SED.

5.0 **RECOVERY**

- 5.1 **WHEN** requested by the SED, **THEN RECOMMEND** additional Technical personnel and equipment for a recovery organization.
- 5.2 **IF** vendor (Westinghouse, C.E., Bechtel, etc.) support is required, **THEN REQUEST** the EOF Administrative Leader to contact the desired vendor.

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TSC Technical Team Mitigator Position Checklist

Attachment 7

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book

1.2 ESTABLISH AND MAINTAIN a log using Form EP(123) 6, Log Book.

1.3 WHEN ready to perform your ERO function, **THEN SIGN-IN** on the minimum staffing board.

1.4 ANALYZE the event and make recommendations on how to overcome equipment failures.

1.4.1 COMPLETE the Technical Assessment/Recommendation forms located in the Technical Team Notebook.

1.5 INITIATE AND MAINTAIN Brown Phone communications.

1.6 Monitor Ivory Phone communications.


1.7 INTERFACE with the OSC Chemistry Coordinator and OSC Maintenance Coordinator as directed by Technical Leader.

1.8 MONITOR the following CFMS/Raddose-V screens for indication of radioactive release:

- Effluent monitors
- Accident monitors
- Containment pressure

1.9 CALCULATE Source Term Data (for release path) IAW SO123-III-5.22.23:


- Iodine fraction
- SG partitioning
- Containment spray in service
- Main steam line flow rates
- Containment leakage flow rate

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TSC Technical Team Mitigator Position Checklist

Attachment 7

- 1.10 **PERFORM** Source Term Calculations of releases per SO123-III-5.22.23 every 15 to 30 minutes and for any significant changes.
- 1.11 **INFORM** RP Leader of any of the following:
- Radioactive release (yes or no) /pathway/ significant change in release
 - Inoperable/off-scale/loss of power to effluent/accident monitors
 - Source Term calculations
 - When Containment High Radiation Monitors 2(3) RE7820-1(2) approach or exceed 40,000 R/hr (which can lead to a General Emergency without a release).
- 1.12 **REQUEST** RP perform pre-planned alternate method for containment dose rates on loss of or spiking of Containment High Radiation Monitors 2(3)RE 7820-1 & 2(3)RE 7820-2.
- 1.13 **REVIEW** Source Term calculations with the RP Leader.
- 1.14 **PRINT** CFMS weather data for RP Leader.

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TSC Security Leader Position Checklist

Attachment 8

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 ENSURE the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Emergency Response Log Book
- EP(123) ERO-10, Emergency Information
- EP(123) SL-1, Security Leader Activation Of Emergency Response Facility
- EP(123) SL-2, Security Leader Emergency Response Coordination


1.2 CONTACT Administrative Supervisor (Post 1A) to remind Security Processing Facility (SPF) personnel that recalled ERO members who declare alcohol consumption within the past 5 hours should be directed to AWS Cafeteria for Shift Manager (SM)/SED authorization to enter PA, **OR** undergo alcohol screening.

1.2.1 Periodically **ADVISE** SM/SED regarding personnel who are waiting to enter PA.

1.3 IMPLEMENT EP(123) SL-1, Security Leader Activation Of Emergency Response Facility, and EP(123) SL-2, Security Leader Emergency Response Coordination, **AND REVIEW** all emergency class sections (i.e., Alert, SAE, and GE) of this procedure for applicable steps.

1.4 OBTAIN Emergency information from the EC (TSC or CR) or RP Leader and complete EP(123) ERO-10, Emergency Information.

1.5 DISCUSS relief shift vehicle route with TSC Manager.

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TSC Security Leader Position Checklist

Attachment 8

NOTE

Suspension of Security/Safeguards measures and procedures invokes 10CFR50.54(x) and (y) and requires SRO approval (is typically done by the Shift Manager) and notification to NRC.

- 1.6 Periodically **ASK** Technical Leader, Radiation Protection (RP) Leader, and Emergency Group Leader (EGL) whether occurrences during an event could be attributed to sabotage of plant equipment.
 - 1.6.1 IF possibility of sabotage exists, **THEN** **DISCUSS** with SM/SED whether implementation of SCP is required.
- 1.7 **WHEN** directed by Security Management to support protection of health and safety of workers or public, or to support immediate plant recovery actions, **THEN** **OBTAIN** approval from SED for suspension of Security/Safeguards measures and procedures.
- 1.8 **MAINTAIN** a log of decisions and actions required by EPIPs.
 - 1.8.1 **PROVIDE** documentation of conditions, events, and communications wherever appropriate to ensure a complete and adequate record, to minimize misunderstanding, and to identify items requiring follow-up actions.
- 2.0 **CONTINUING ACTIONS**
- 2.1 **ALERT or HIGHER EMERGENCY CLASS**

NOTE

IF site is in a declared Security Event [Initiating Condition (IC) HU4, HA4, HS4, or HG1], **THEN** Operations Support Center (OSC)/TSC may **NOT** be staffed. Protected Area Personnel Accountability (PAPA) System is **NOT** used if OSC/TSC is located outside the PA (e.g., alternate ERF in Building E-50).

- 2.1.1 Protected Area Personnel Accountability (PAPA) Process
 - 2.1.1.1 **HAVE** personnel entering TSC badge into the Emergency Accountability Card reader.
 - 2.1.1.2 IF person is unable to badge in; **THEN** manually **RECORD** person's information on Form EP(123) 294, Personnel Accountability.
 - 2.1.1.3 IF available, **THEN** **REQUEST** an in-house dispatch of a TSC team member (preferably a Security Officer) to go to CAS to obtain an updated emergency accountability roster.



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TSC Security Leader Position Checklist

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- 2.1.1.4 IF Emergency Accountability Card Reader is unavailable or inoperable, THEN **PROVIDE** all TSC Coordinators with Form EP(123) 294 to initiate backup accountability of their personnel.
- 2.1.2 IF State Beach (adjacent to SONGS) Evacuation has been ordered by SM/SED/CED, THEN PROCEED as follows:
- 2.1.2.1 IF people have **NOT** left beaches, THEN INFORM Camp Pendleton Area State Parks Dispatch Office (see ERTD).
- 2.1.2.2 IF watercraft/aircraft are sighted, THEN EVALUATE sighting **AND REPORT** to San Diego Office of Disaster Preparedness (see ERTD).
- 2.1.2.3 IF possible, THEN PROVIDE the following information:
- Your name and location
 - Watercraft/Aircraft identification number
 - Watercraft/Aircraft location and direction
 - Watercraft/Aircraft type and color
 - Real or potential nature of problem (e.g., safety hazard, nuisance)
 - Return telephone number
- 2.1.2.4 **REPORT** this notification to SM/SED and Security Director in EOF.
- 2.1.3 For Site Assembly: **GO TO** Step 2.3 of this checklist.
- 2.1.4 For Site Evacuation: **GO TO** Step 2.4 of this checklist.

2.2 SITE AREA EMERGENCY (SAE) or HIGHER EMERGENCY CLASS



- 2.2.1 **PERFORM** Protected Area Personnel Accountability within 30 minutes of an SAE declaration by SM/SED as follows:

- 2.2.1.1 **DIRECT** CAS to generate an Emergency Accountability report **AND DELIVER** the report to the TSC immediately.



- 2.2.1.2 **REVIEW** results of the report with SM/SED within 30 minutes.



- 2.2.2 WHEN Emergency Card Reader is unavailable or inoperable, THEN PERFORM the following steps within 30 minutes of an SAE declaration:

- 2.2.2.1 **NOTIFY** the On Shift Security Commander (OSSC) to deliver their OSC hard copy Form EP(123) 294 accountability data to TSC.

- 2.2.2.2 **ADVISE** all TSC Leaders to turn in their personnel accountability forms.



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2.2.2.3 **IDENTIFY** personnel within PA who are unaccounted for by comparing Emergency Accountability Report with Accountability Form EP(123) 294 from all ERFs within PA.

2.2.2.4 IF TSC is activated, THEN REVIEW PA accountability report of missing personnel with SM/SED and TSC Manager.

2.3 Site Assembly

2.3.1 IF directed by SM/SED, THEN COORDINATE with RP Leader and EOF Administrative Leader.

2.3.2 IF designated Site or Local Assembly Areas cannot be used, THEN DETERMINE suitable alternates for assembly.

2.4 Site Evacuation

2.4.1 IF evacuating north, south, or using normal departure routes, THEN REQUEST assistance from RP Leader to determine direction, AND CONFIRM direction with SM/SED/CED.

2.4.2 WHEN EOF is activated, THEN COORDINATE with EOF Security Director regarding potential evacuation routes/traffic control assistance.

2.4.3 **VERIFY** with Onsite Security Commander (OSSC) that preparatory steps of Site Evacuation Plan have been completed.

2.4.4 **DIRECT** OSSC to activate Site Evacuation Plan AND PROVIDE evacuation direction (north, south or normal routes).

2.4.5 **OBTAIN** from the RP Leader parking lots which are known or likely to have vehicle contamination for the purposes of closing the parking lots and preventing the use of the vehicles for evacuation.

2.4.6 **CLOSE** parking lots identified as being contaminated.


2.4.7 **ENSURE** EOF Administrative Leader or TSC Manager is notified of parking lot closures to determine transportation requirements AND to **NOTIFY** Assembly Area Coordinators of closed parking lots AND to **HOLD** personnel needing transportation until arrival.

2.4.8 **DIRECT** EOF Administrative Leader or TSC Manager to determine IF last known plant location of any missing person has been reported by an Assembly Area Coordinator.

2.4.9 **PROVIDE** all available information on missing person(s) (i.e., identity and last known plant location) to OSSC.

2.4.10 WHEN Site Evacuation has started, THEN ADVISE SM/SED/CED.

2.4.11 WHEN vehicular evacuation of site is completed, THEN ADVISE SM/SED/CED.

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2.5 General Emergency (GE)

2.5.1 WHEN a General Emergency is initial emergency class, THEN Sections 2.1 and 2.2 must be implemented.

2.6 TSC Relocation

2.6.1 IF TSC is ordered to relocate, THEN PROCEED to alternate TSC location with the following documents:

- Security Leader Notebook
- Log Book
- SCP (if present)

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TSC Red Phone Communicator Position Checklist		Attachment 9

POSITION CHECKLIST

NOTE

Steps may be performed in any order or concurrently.

1.0 INITIAL ACTIONS

1.1 **ENSURE** the following is contained in the position notebook:

- EP(123) 5, Turnover Status
- EP(123) 6, Log Book
- NRC Form 361, Reactor Plant Event Notification Worksheet

1.2 **ESTABLISH AND MAINTAIN** a log using Form EP(123) 6, Log Book.

1.3 WHEN ready to perform your ERO function, THEN **SIGN-IN** on the EOF minimum staffing board.

2.0 CONTINUING ACTIONS

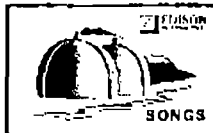
2.1 **INITIATE** communication with the NRC within one hour.

2.2 **MAINTAIN** an open, continuous communication channel if requested by the NRC.

2.3 **ENSURE** the NRC is provided follow-up notification information, reclassification, and other pertinent information.

2.4 IF a subsequent notification per 10CFR50.72 is required, THEN **ENSURE** the 10CFR50.72 report is made to the NRC Headquarters Operations Officer **NOT** the NRC phone talker.

2.5 IF the Emergency Response Data System (ERDS) is **NOT** functioning, THEN **NOTIFY** the NRC.



Emergency Response Organization (ERO) Technical Support Center Position Checklists

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Summary of Changes

Attachment 10

Author: David A. Clark


PAX:

89967

Location:

D1N

NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
50.59 / 72.48 Determination	50.59 and 72.48 determined _____ This procedure supersedes the following procedures: SO123-VIII-10.1 SO123-VIII-10.4 SO123-VIII-40 SO123-VIII-50 SO123-VIII-50.2 SO123-VIII-60 (Procedures being superseded have previously been determined 50.59/72.48 DNA)	Frank Grovich D. Vanderwoude		ALL
EPIP Upgrade Project/ERO Reduction	Added responsibilities for TSC Radiation Protection Advisor TSC Radiation Protection DAC Operator EOF Radiation Protection Engineer to the TSC Radiation Protection Engineer	See Table Below	DNA	Step 1.2.7
EPIP Upgrade Project/ERO Reduction	Added responsibilities for TSC Technical Team Assessor to the TSC Technical Leader	See Table Below	DNA	Step 1.2.8
EPIP Upgrade Project/ERO Reduction	Added responsibilities for EOF Effluent Engineer to the TSC Technical Team Mitigator	See Table Below	DNA	Step 1.2.9
EPIP Upgrade Project/ERO Reduction	Created Attachment 1, Station Emergency Director Position Checklist, from SO123-VIII-10.1	See Table Below	DNA	7
EPIP Upgrade Project/ERO Reduction	Created Attachment 2, TSC Emergency Advisor, Notifications Position Checklist from SO123-VIII-10.1	See Table Below	DNA	19

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Summary of Changes	Attachment 10
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NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
EPIP Upgrade Project/ERO Reduction	Created Attachment 3, TSC Emergency Advisor, Operations Position Checklist from SO123-VIII-10.1	See Table Below	DNA	21
EPIP Upgrade Project/ERO Reduction	<p>Created Attachment 4, TSC Radiation Protection Leader Position Checklist from SO123-VIII-40</p> <p>Combined TSC Radiation Protection Advisor with TSC Radiation Protection Leader Position Instruction/Checklist due to reduction IN ERO.</p> <p>Combined TSC Radiation Protection DAC Operator with TSC Radiation Protection Leader Position Instruction/Checklist due to reduction IN ERO.</p> <p>Combined EOF Meteorologist with TSC Radiation Protection Leader Position Instruction/Checklist due to reduction IN ERO.</p> <p>Deleted Meteorology Duties Section 2.0, steps 2.1 – 2.10.3</p> <p>Added new Section 2.0, Continuing Actions.</p>	See Table Below	DNA	22
EPIP Upgrade Project/ERO Reduction	Created Attachment 5, TSC Manager Position Checklist , from SO123-VIII-50.2	See Table Below	DNA	40
EPIP Upgrade Project/ERO Reduction	<p>Created Attachment 6, TSC Technical Leader Position Checklist , from SO123-VIII-50</p> <p>Combined TSC Technical Team Assessor with TSC Radiation Protection Leader Position Instruction/Checklist due to reduction IN ERO.</p>	See Table Below	DNA	



Emergency Response Organization (ERO) Technical Support Center Position Checklists

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Summary of Changes

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NN, Order, or Other Action	Description of Change	Reviewer(s)	50.59	Step, Section, Attachment or Page
EPIP Upgrade Project/ERO Reduction	Created Attachment 7 TSC Technical Team Mitigator Position Checklist, from SO123-VIII-50. Combined EOF Effluent Engineer Position Checklist with TSC Radiation Protection Leader Position Instruction/Checklist due to reduction IN ERO.	See Table Below	DNA	53
EPIP Upgrade Project/ERO Reduction	Created Attachment 8, TSC Security Leader Position Checklist, from SO123-VIII-60	See Table Below	DNA	55
EPIP Upgrade Project/ERO Reduction	Added Attachment 9, TSC Red Phone Communicator Position Checklist	See Table Below	DNA	60
EPIP Upgrade Project/ERO Reduction	Deleted checklists for TSC CFMS Computer Operator, TSC Status Board Keeper, TSC Log Keeper/Ivory Phone Communicator and TSC EOF/ODAC Communicator due to ERO reduction.	See Table Below	DNA	

Document Reviewers:	Name:
Job Title / Reviewer Role	Rich St. Onge
Job Title / Reviewer Role	Scott Genschaw
50.59 / 72.48 Determination	Frank Grovich
50.59 / 72.48 Determination	David Vanderwoude
Site Procedures Group	Carol Schmitt
Cognizant Supervisor	Larry McCann
NOD	Marina Farmer
Approvers:	
Nuclear Oversight Final Approval:	Marina Farmer
CFDM Final Approval:	Deborah Lindbeck

SO123-XXI-1.11.3, Revision 29

SONGS

EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

Procedure Requirements		Sections
Information Use	<ul style="list-style-type: none">• The performer reviews the procedure before using it to perform the task.• The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure.• Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document.	All

Color Usage	Location
"This Document Contains Relevant Color"	Attachment 2

Level 1 – QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES

Procedure Owner

Mayra Alvarado

EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

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EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

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EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

1.0 PURPOSE

NOTE

This procedure includes Improved Technical Specifications [ITS] information that is NOT applicable to Current Technical Specifications [CTS] and [CTS] information that is NOT applicable in [ITS]. The [CTS] information shall be used prior to the [ITS] effective date. The [ITS] information shall be used on or after the [ITS] effective date.

- 1.1 To describe the San Onofre Nuclear Generating Station (SONGS) Emergency Plan Training Program which implements the requirements contained in References 10.1.1.1 through 10.1.4.10.

2.0 SCOPE

- 2.1 The Emergency Response Organization (ERO) Training Program is a non-accredited training program designed to train ERO personnel to perform response duties as described in initial and continuing training. The initial training program ensures that personnel have the required knowledge and skills to perform the duties as Emergency Responders. Continuing training ensures the incumbents maintain and improve job performance through development of job-related knowledge and skills. This program is designed to protect the health and safety of the public and our workers.

3.0 RESPONSIBILITIES

NOTE

Some program elements are implemented by other Divisional programs with EP oversight. Reference Attachment 3, Ownership of ERO Training Elements, to identify the Program Owner for specific units of instruction modules listed in the EPTPD.

- 3.1 **EP Manager** is responsible for:
- 3.1.1 The Emergency Plan Training Program.
- 3.2 **Emergency Planning Operations (EPO)** is responsible for scheduling and coordinating:
- 3.2.1 Drills and Table-Top Training
 - 3.2.2 Develop Drill and Critique reports
 - 3.2.3 Oversee and Implement EP Surveillance Program

INFORMATION USE

3.3 EPO Manager is responsible for:

- 3.3.1 Managing and maintaining the on-site and offsite emergency response plan/program
- 3.3.2 Interfacing with off-site agencies
- 3.3.3 Reviewing and responding to Regulatory issues
- 3.3.4 Planning and conducting the Annual NRC Program Inspection

3.4 Emergency Planning Support (EPS) is responsible for reviewing and maintaining the content of:

- 3.4.1 EP / ERO Initial/Continuing Training Lesson Plans
- 3.4.2 Qualification Walkthrough (QWT) documents
- 3.4.3 Alternate Methods of Training
- 3.4.4 ERO Attainment Requirements per Attachment 2
- 3.4.5 Table-Top Training

3.5 EPS Manager or designee is responsible for:

- 3.5.1 Managing and maintaining ERO Initial/Continuing Training Program
- 3.5.2 Supporting Training Program Description (TPD) revisions
- 3.5.3 Supporting Modification of Alternate Methods of Training

3.6 Nuclear Training Division Engineering (NTD ENG) Supervisor or designated Program Lead is responsible for:

- 3.6.1 Severe Accident Management Guideline (SAMG) and Core Damage Assessment initial and continuing training
- 3.6.2 Ensuring VISION is updated

3.7 Nuclear Training Division Radiation Protection (NTD RP) Continuing Training Supervisor or designated Program Lead is responsible for:

- 3.7.1 Dose Calculation and RAD Dose V initial and continuing training
- 3.7.2 Ensuring VISION is updated

3.8 ERO members are responsible for:

- 3.8.1 Reviewing SO123-XV-ERO-1 annually.

INFORMATION USE

4.0 **PRECAUTIONS / LIMITATIONS**

4.1 **Precautions**

- 4.1.1 Notify Compliance and Emergency Planning upon issuance of any Revisions/ECs to this document for submittal to the NRC (Reference 10.1.1.7).
- 4.1.2 Precaution related to changing this procedure:
 - 4.1.2.1 10CFR50.54(q) screening/evaluation is required for all revisions, including editorial changes in accordance with (IAW) SO123-VIII-0.100.

4.2 **Limitations**

- 4.2.1 None

5.0 **PREREQUISITES / INITIAL CONDITIONS**

5.1 **Prerequisites**

- 5.1.1 **VERIFY** this document is current by using one of the methods described in SO123-XV-HU-3.
- 5.1.2 **VERIFY** Level of Use requirements on the first page of this procedure.
- 5.1.3 In order to designate an individual as a member of the Emergency Response Organization, reference SO123-VIII-0.202 and complete Form EP(123) 100 using the Emergency Response Personnel (ERP) Code found in Attachment 2.

5.2 **Initial Conditions**

- 5.2.1 None

6.0 PROCEDURE

6.1 Maintaining the Emergency Plan Training Program

- 6.1.1 The Emergency Plan Training Program Lead will maintain the Emergency Plan Training Program described in Attachments 1 and 2 of this procedure.

6.2 Determining Emergency Response Personnel (ERP) Codes / Training Curriculum

- 6.2.1 Emergency Response Organization (ERO) positions, ERP Codes, Training encodes required for Initial and Continuing ERP qualification are identified in Attachment 2.

6.3 Assignment of Emergency Response Personnel

- 6.3.1 Responsibilities for assigning personnel, reviewing and maintaining qualifications are established in References 10.1.3.2 and 10.1.4.7.

6.4 **Emergency Planning Staff Professional Development Training**

- 6.4.1 The Emergency Planning (EP) Manager (or designee), Emergency Planning Operations (EPO) Manager (or designee) and Emergency Planning Support (EPS) Manager (or designee) shall ensure their respective Emergency Planning Staff receive initial and continuing professional development training commensurate with their assigned duties and responsibilities.
- 6.4.2 **Initial Training**
- 6.4.2.1 The EP / EPO Manager (or designee) shall use the Emergency Planning Staff Training Qualification Manual (EPSTQM) to select tasks for completion and/or exemption.
- 6.4.2.2 The Emergency Planning Staff Training Initial Qualification section (EPSTQ1) is required training for Emergency Planning personnel assigned to permanent positions and is a prerequisite to subsequent Qualification Guide Sections.

NOTE

If an industry sponsored training program cannot be scheduled and attended, the EP/ EPO/ EPS Manager (or designee) may select an alternate training method (e.g. In-house training, OJT/TPE, etc.) if in the Managers judgment, it is a reasonable equivalent, in content, to the established industry emergency planning training.

- 6.4.2.2.1 Section EPSTQ1 requires assigned Emergency Planning Staff members to attend Emergency Planning training provided by the nuclear industry. This section is to be completed within one year of the staff assignment date.
- 6.4.2.3 Additional assigned sections of the EPSTQM are to be completed within two years of the staff assignment date.

6.4.3 Continuing Training

6.4.3.1 Continuing training course work selection and professional development for EP personnel is to be reviewed and updated annually by the EP / EPO/ EPS Manager (or designee). Additional staff training and development activities will be performed following completion of the assigned sections of the EPSTQM.

6.4.3.2 The 50.54(q) Screening training can be accomplished by completing Emergency Planning Qualification Manual (Encode EPSTQ1). Evaluator training can be accomplished by completing Emergency Planning Qualification Manuals (Encodes EPSTQ1 and EPSTQ5). A retraining frequency of every two calendar years is required for 54QQWT. 50.54(q) waivers / exemptions will be granted to contractors or SONGS staff that possess the necessary experience to complete the EPE screening and evaluation.

6.5 Emergency Response Organization Standards and Expectations

6.5.1 Performance standards and expectations for ERO trainees and qualified ERO members is contained in SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations.

6.6 Simulator Drills and EP Assessments

6.6.1 Emergency Planning is responsible for scheduling simulator drill time in coordination with the Operations Training Schedule.

6.6.1.1 Emergency Planning Staff shall maintain overall control of drill activities during scheduled drills.

6.6.2 Emergency Planning Staff shall coordinate with Operations Training when performing EP Performance Indicator assessments during a scheduled Operator requal training cycle.

6.6.2.1 EP Staff shall **NOT** interfere with Operations simulator training when performing EP assessment functions.

7.0 ACCEPTANCE / FUNCTIONAL CRITERIA

7.1 Acceptance Criteria

7.1.1 None

7.2 Functional Criteria

7.2.1 None

8.0 RETENTION / RECORDS

8.1 The records of individuals participating in the Emergency Plan Training Program shall be maintained in T2000 and archived by Records Management.

8.2 The 50.54(q) Evaluator qualification record (54QQWT) of personnel will be maintained in T2000 and archived by Records Management under RPA# 04-033.

9.0 ACRONYMS / DEFINITIONS

9.1	<u>CDE</u>	Committed Dose Equivalent
9.2	<u>EP:</u>	Emergency Planning
9.3	<u>EPO:</u>	Emergency Planning Operations
9.4	<u>EPS:</u>	Emergency Planning Support
9.5	<u>ERO:</u>	Emergency Response Organization
9.6	<u>SRO:</u>	Senior Reactor Operator
9.7	<u>TEDE</u>	Total Effective Dose Equivalent
9.8	<u>TPD:</u>	Training Program Description

10.0 **REFERENCES / COMMITMENTS**

10.1 **Implementing Reference**

10.1.1 **Commitments**

- 10.1.1.1 Unit 1 Permanently Defueled Technical Specification, Section D6.8.1.e
- 10.1.1.2 **[CTS]** Licensee Controlled Specification, Section 5.0.103.1.1.b
[ITS] SO123-EP-1, SONGS Emergency Plan Implementation
- 10.1.1.3 10CFR50.47, Emergency Plans
- 10.1.1.4 10CFR55.45, Operating Tests
- 10.1.1.5 10CFR55.49, Integrity of Examinations and Tests
- 10.1.1.6 10CFR50, Appendix E, Emergency Planning and Preparedness for production and Utilization Facilities, Section IV.F, Training
- 10.1.1.7 10CFR50, Appendix E, Emergency Planning and Preparedness for production and Utilization Facilities, Section V, Implementing Procedures
- 10.1.1.8 10CFR50.54(q), Conditions of Licenses
- 10.1.1.9 10CFR50.120, Training and Qualification of Nuclear Power Plant Personnel
- 10.1.1.10 NN 201507385, NRC Safety Evaluation Report, dated July 26, 2007 [Attachment 1, Paragraph K]

10.1.2 **Corrective Actions to Prevent Recurrence (CAPR)**

- 10.1.2.1 None

10.1.3 **Procedures**

- 10.1.3.1 SO123-VIII-0.100, Maintenance and Control of Emergency Planning Documents
- 10.1.3.2 SO123-VIII-0.202, Assignment of Emergency Response Personnel
- 10.1.3.3 SO123-VIII-0.401, Emergency Preparedness Performance Indicators
- 10.1.3.4 SO123-VIII-40.100, Dose Assessment
- 10.1.3.5 SO123-XV-21 ISS2, Nuclear Training Program Oversight
- 10.1.3.6 SO123-XV-27.2, On The Job Training and Evaluation for Non-Accredited Training Programs
- 10.1.3.7 SO123-XV-HU-3, Written Instruction Use and Adherence

INFORMATION USE

10.1.3.8 SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations

10.1.4 Other

10.1.4.1 NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

10.1.4.2 Topical Quality Assurance Manual (TQAM), Chapter 1-H

10.1.4.3 San Onofre Nuclear Generating Station Emergency Plan

10.1.4.4 San Onofre Nuclear Generating Station Manual of Emergency Events

10.1.4.5 INPO 09-006, Guidelines for Training and Qualification of Emergency Response Organization Personnel

10.1.4.6 Form TN(123) 412, Exemption or Waiver (Reference: SO23-XXI-REC)

10.1.4.7 EPPG-SO23-G-2, Emergency Response Organization Fundamentals and Standards Guideline

10.1.4.8 Form EP(123) 17, ERO Training Advisory Committee (TAC) Agenda

10.1.4.9 Form EP(123) 100, Emergency Response Personnel Assignment

10.1.4.10 D-036, Emergency Plan Implementation

10.2 Developmental References

10.2.1 Commitments

10.2.1.1 None

10.2.2 Corrective Actions to Prevent Recurrence (CAPR)

10.2.2.1 None

10.2.3 Procedures

10.2.3.1 None

Training Program Description And Administration

a. PROGRAM OVERVIEW

The Emergency Plan Training Program Description (EPTPD) identifies the appropriate training requirements for personnel assigned to the SCE Emergency Response Organization (ERO) to ensure they attain the necessary knowledge and skill to perform their assigned job functions in a competent, safe, and efficient manner during a declared emergency. The program applies to selected personnel at the San Onofre Nuclear Generating Station (SONGS) and other Corporate departments. It consists of Self-Study Guides, formative assessments, discussions, interviews, simulations, or Qualification Walk-Through (QWT) training. Self-Study Guides are developed by Emergency Planning (EP). All QWT, discussions, formative assessments, simulations, and interviews will be conducted by EP staff, the Line Organization or designee. These experts need not be certified instructors. However, they should be recognized as Subject Matter Experts by the Manager, EP or be a qualified incumbent for the position for which the training is applicable in order to help trainees master the material.

b. TRAINING REQUIREMENTS

INPO 09-006, Guidelines for Training and Qualification of Emergency Response Organization Personnel, provides guidelines on the knowledge and skills for both Initial and Continuing training. NUREG 0654 has specific evaluation criteria for measuring response to an emergency. A graded approach is used for the administration and documentation of emergency response training. The extent of training is based on the importance of the job to the health and safety of the plant, personnel, general public and the environment and on the complexity of the job performance requirements.

c. TARGET AUDIENCE

The target audience for the program, is designated in Reference 10.1.3.2, and consists of all Emergency Response Personnel. These personnel, as defined in Reference 10.1.4.7, may be called upon during an emergency to perform duties to mitigate plant accident conditions.

Emergency Response Facility (ERF) staffing is provided by on-shift SONGS personnel and Minimum Staff Personnel, SCE Corporate personnel, SCE Contract personnel, and offsite emergency response organizations. Each position in the ERO is identified by an Emergency Response Personnel (ERP) Code. ERP Codes are comprised of one or more Encode Numbers specific to each ERO position.

Attachment 2 lists the ERP Code, Position Title, and Facility Location along with the Encodes required for qualification.

d. PROGRAM ENTRY SELECTION

Personnel are enrolled in the Emergency Plan Training Program in accordance with SO123-VIII-0.100. Upon receipt of the approved Form EP(123) 100, the ERP Code shall be entered in T2000 by the EP Staff ERO Administrator. All required ERO training, as specified in Attachment 2, is scheduled on an annual basis in conjunction with the ERO member's most restrictive ERO qualification expiration date.

Training Program Description And Administration

e. INITIAL TRAINING COURSE

The purpose of Initial Training is to provide new Emergency Response Personnel (ERP) with a self-study, training overview of the SONGS Emergency Plan, Organization, and Facilities. Experienced personnel who shift to a new Emergency Response Facility (ERF) may complete portions of the orientation Self-Study Guide for the new position.

The Initial Training Course curriculum is listed in Attachment 2. Supplemental training provided by the Line Organization may satisfy Initial Training Course requirements for qualification of newly assigned Emergency Response Personnel.

f. QUALIFICATION WALK THROUGH (QWT)

Some ERP Codes also require completion of a Qualification Walk Through (QWT). For these positions, the QWT will be identified in Attachment 2. QWT Trainers and Evaluators shall be incumbents in the position for which the training is being given or designated EP staff.

The QWT Trainer shall ensure that all prerequisite training listed on the QWT cover page is complete by documenting the date completed. Enter the ERP Code assignment date, Trainee's Printed Name and PERNR on the top of page 1. The Trainer and the Evaluator shall sign and date the Completion Record section(s) upon demonstrated proficiency of listed knowledge requirements and applicable task performance activities. The task performance section can be accomplished by demonstration, walk through, or simulation in a non-evaluated scenario.

g. CONTINUING TRAINING

Participation in annual drills, exercises and tabletops is the prescribed method for continuing training. In the event of non-participation, continuing training will consist of the bi-annual Self-Study Guides required for a specific ERP position, minus the associated QWT.

Continuing training can be achieved by demonstrating proficiency through Site-Wide drills, table-top training sessions, or completed self-study guides. The retraining is periodically scheduled during drill preparation in accordance with established drill objectives required by SO123-VIII-0.200, Emergency Plan Drills and Exercises. Special focus sessions may be scheduled at the discretion of the Manager, EP.

All schedule changes related to ERO Team Training, Pre-Drill Training, Drills and Exercises will be coordinated through the assigned EP Training Coordinator to ensure training commitments are met. ERO requirements are delineated in Nuclear Organization Directive D-036, Emergency Plan Implementation and SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations.

Training Program Description And Administration

h. SEVERE ACCIDENT MANAGEMENT GUIDELINES (SAMG)

NOTE

A detailed evaluation of the SAMG implementation process was conducted by NOD, and reported in the Severe Accident Management Program Assessment Report, SA 98-008, dated November 25, 1998.

SAMG Training consists of three levels from lowest to highest, SAMG01 Implementers, SAMG02 Decision Makers, and SAMG03 Evaluators. Continuing SAMG training is tracked using SAMG04 and SAMG05. The SAMG lesson material is given for initial and continuing training in accordance with approved NTD Engineering Training Lesson Plans.

i. B.5.b MITIGATION STRATEGIES

B.5.b Mitigation Strategies training provides the expected actions to be taken upon a large loss of the Protected Area to restore Reactor Coolant System (RCS) and Containment Heat Removal safety functions. Determine the impact on normal plant operations, including loss of non 1E power and equipment, potential for significant personnel injury, and the need to mobilize a recovery team.

Licensed Operators receive detailed initial and continuing B.5.b Mitigation Strategies training using approved NTD Operations Training Lesson Plans [NN201507385]. Fire Department personnel receive detailed initial and continuing training in accordance with Fire Department Training Program SO123-XIII-20, Attachment 1, B.5.b Mitigation Strategies [NN 201480055]. All other ERO positions designated in Attachment 2 receive annual computer based B.5.b training using Encode EPTB5B.

j. SOURCE TERM AND DOSE ASSESSMENT

Source Term and Dose Assessment training provides the ability to calculate Total Effective Dose Equivalent (TEDE) and thyroid Committed Dose Equivalent (CDE) projected dose that the public may receive due to an uncontrolled release of radioactive material.

The steps involved in determining a dose assessment are to obtain source term, collect meteorological data, and manually perform off-site dose calculations using Emergency Plan Procedure SO123-VIII-40.100, Dose Assessment. This lesson material is given for initial and continuing training using approved Radiation Protection Training Lesson Plans.

k. STATE AND LOCAL OFFSITE LIAISON QUALIFICATIONS

Members of State and Local Jurisdictions who respond as Offsite Dose Assessment Center (ODAC) receive training as designated and scheduled by the EP Manager. Offsite emergency responders are granted access by providing their agencies authorized identification card.

Training Program Description And Administration

I. EXAMINATIONS

The passing criteria for all assessments are 80% or greater. If a student fails an assessment, then the student is required to review the training materials for self-remediation and a second assessment will be provided.

m. REMEDIATION

Upon failure of their first assessment, students should self-remediate. Self-remediation allows the student to review the training material and take a second assessment. A second assessment failure after self-remediation suggests the student should contact an SME (EP or ERP qualified in that position) for lesson review before taking another assessment.

n. EXEMPTIONS

Emergency Response Personnel may be exempted from specific Continuing Training requirements. A training exemption is a determination that the individual (SCE or contractor) has previously mastered the objectives of a training activity by virtue of past job-related experience or equivalent training/education. Exemption is viewed as a statement of qualification. Exemptions shall be entered in the person's training records using the Training Exemption form and shall be approved by that person's supervisor, and the Manager, EP.

o. UNESCORTED PROTECTED AREA ACCESS AND ERP TRAINING

All ERO personnel who are required to have unescorted access to the Protected Area or Emergency Operations Facility (EOF) must maintain their ERP Code training requirements as listed in Attachment 2. Failure to complete annual retraining requirements may result in loss of unescorted Protected Area access or EOF access. If this occurs, unescorted access privileges will be reestablished only upon completion of the required Emergency Plan training or a request for removal of their ERP Code by their Cognizant Functional Division Manager (CFDM) or 1410 Supervisor, point of contact or position owner.

p. NON-ATTAINMENT TRAINING

The non-attainment code "REDBADGE" requires an active Security Photo Identification Badge to maintain ERO qualification. This code is automatically posted once the ERO member has been issued a Security Photo Identification Badge (satisfying 10 CFR Part 26 requirements). If the ERO member's Security Photo Identification Badge becomes terminated, deactivated, or expired, they will become unqualified for any position in Attachment 2 that requires an active badge.

Self-Contained Breathing Apparatus (SCBAFIT) for onshift and 30 minute responders, and Scott Airpack (SCBASFIT) for firefighters are associated with other qualifications grouped under EROSCBA and SCOTAP respectively. They include a Physical Exam, Training, Fit Test, and Practical Factors.

Training Program Description And Administration

q. NON-ATTAINMENT CODES

If a non-attainment code is not maintained, or is terminated, the individual will become unqualified for any position requiring that code.

"REDBADGE" requires an active Security Photo Identification Badge for ERO qualification

"SCBAFIT" required for general ERO respirator qualification

"SCBASFIT" required for Firefighter qualification

r. LESSONS LEARNED FROM DRILLS AND EXERCISES

Applicable lessons learned from previous drills, exercises, and industry events will be incorporated into the pre-drill brief.

Emergency Plan Training Program Curriculum

	FACILITY	ERP CODE	SONGS ERO POSITIONS		710000	PAR101	EP4100	EPTENR		EPTCAL									
1	ONSHIFT	00	General Support Group		X	X													
2	ONSHIFT	01	General Maint Support		X	X													
3	ONSHIFT	02	ERO Mechanical Maint.		X	X										X	X		
4	ONSHIFT	2A	ERO Control Room Supervisor	72AQWT	X	X			X		X					X	X		
5	ONSHIFT	2B	Shift Manager	72AQWT	X	X	X		X		X					X	X		
6	ONSHIFT	2C	Control Room Supervisor	72AQWT	X	X			X		X								
7	ONSHIFT	2E	Control Operator/ACO		X	X			X		X								
8	ONSHIFT	J2	O/S Operations Leader		X	X					X								
9	ONSHIFT	2F	ERO CO/ACO		X	X			X		X					X	X		
10	ONSHIFT	2K	PEO/NPEO		X	X													
11	ONSHIFT	2L	ERO NPEO		X	X										X	X		
12	ONSHIFT	03	ERO Electrical Maint.		X	X										X	X		
13	ONSHIFT	06	Security Officer		X	X													
14	ONSHIFT	55	OSC Chemistry Tech		X	X													
15	ONSHIFT	56	ERO Chemistry Tech		X	X										X	X		
16	ONSHIFT	8J	OSC Firefighter		X	X										X		X	
17	ONSHIFT	A1	OSC I&C Technician		X	X													
18	ONSHIFT	A2	ERO I&C Technician		X	X										X	X		
19	ONSHIFT	E1	Shift Communicator	7E1QWT	X	X			X		X								
20	ONSHIFT	P2	OSC Emergency Group Leader	7P1QWT	X	X													
21	ONSHIFT	V0	ERO RP Technicians	7V6QWT	X	X										X	X		
22	ONSHIFT	V6	CR/ISC/OSC RP Technicians	7V6QWT	X	X													
23	ONSHIFT	L7	RP Supervisor/Lead/Advisor	7V2QWT	X	X					X								

Legend	
	Cycle Multiplier
	Lifetime
	Calendar Year
	Bi-Annual

NOTES

1. Encodes designated with an * may **NOT** be applicable due to progression of the decommissioning of SONGS
2. Qualifications need to be obtained within 90 days of assignment.

Emergency Plan Training Program Curriculum

	FACILITY	ERP CODE	SONGS ERO POSITIONS			710000	PAR101	EP4100	EPTENR	EPTDEC	EPTAL		
24	TSC	B2	Assessor	711QWT	X							X	
25	TSC	G1	Station Emergency Director	7G1QWT	X							X	
26	ISC	H1	TSC Manager	7H1QWT	X								
27	TSC	I1	Emergency Advisor, Operations	7I1QWT	X							X	
28	TSC	I2	Emergency Advisor, Notifications	7I2QWT	X								
29	TSC	J5	Red Phone Communicator		X								
30	TSC	L1	Radiation Protection Leader	7L1QWT	X								X
31	TSC	M1	Technical Leader	7T1QWT	X							X	
32	TSC	N1	Security Leader	7N1QWT	X								
33	OSC	H2	Emergency Planning Coordinator	7H2QWT	X								
34	OSC	J3	Operations Coordinator	7J3QWT	X								
35	OSC	N7	Security Coordinator	7N7QWT	X								
36	OSC	P1	Emergency Group Leader	7P1QWT	X								
37	OSC	Q2	Maintenance Coordinator		X								
38	OSC	S1	Chemistry Coordinator	7S1QWT	X								
39	OSC	I1	Emergency Services Coordinator		X								
40	OSC	V2	Radiation Protection Coordinator	7V2QWT	X								
41	EOF	G4	Corporate Emergency Director	7G4QWT	X							X	
42	EOF	H3	Emergency Planning Coordinator	7H3QWT	X								
43	EOF	H5	Emergency Advisor, Notifications	7H5QWT	X								
44	EOF	I7	EOF Manager	7I7QWT	X								
45	EOF	L5	Radiation Protection Leader	7L5QWT	X								X
46	EOF	M6	Technical Leader	7T1QWT	X								
47	EOF	N0	EOF Security Director	7N0QWT	X								
48	EOF	R1	Administrative Leader	7R1QWT	X								
49	EOF	Y5	Radiation Protection Offsite Monitoring Team	7Y5QWT	X								
50	JIC	CX	JIC Director	7CXSPT	X								

Legend	
	Cycle Multiplier
	Lifetime
	Calendar Year
	Bi-Annual

NOTES

1. Encodes designated with an * may **NOT** be applicable due to progression of the decommissioning of SONGS
2. Qualifications need to be obtained within 90 days of assignment.

Ownership of ERO Training Elements

NOTE

Program Owner responsibilities are found in Section 3.0 of this procedure.

Encode	Unit of Instruction Description	Program Owner	Cycle Multiplier	HRS
HPLDAC	Dose Assessment Computer Software (ERP273)	RP	L	2
RQ0832	B5b Mitigation Strategies (EPTB5B)	OPS	L	1
2EP101	NLO Emergency Response Training	OPS	L	3
L001CR	Operations E-Plan Training (ORP194)	OPS	L	3
EPTDEC	EP Emergency Classification (2RP542)	OPS	C1	4
ENCSP	ENC Spokespersons Training	EPT	TBD	4
EPTB5B	B5b Mitigation Strategies Overview (RQ0832)	OPS	C2	1
Discussions				
PAR101	Protective Action Recommendation Training	EP	B	1
710000	General EP Overview	EP	B	1
EP4100	Dose Assessment	RP	B	1
Self-Study Guide				
EPTENR	Emergency Notification Retraining	EP	B	2
EPTAL	Emergency Action Level Overview	EP	B	4

L = Lifetime
C = Calendar Year
B = Bi-Annual

Summary of Changes

Author: Mayra Alvarado

PAX: 89683

Location: D1N

NN, Order, or Other Action	Description of Change	50.59	Step, Section, Attachment or Page
SO123-XV-109	Changed "CDM-SONGS" to "Records Management"	DNA	10
	Deleted obsolete procedure, SO123-XXI-12.1 ISS2, Training Program Lead Duties.(steps 6.1.1 and 10.1.3.9)		7, 12
Reviewer comments	Reworded step 2.1	DNA	4
Reviewer comments	Deleted reference to ERO performance step 3.1.1	DNA	4
Reviewer comments	Deleted step 3.2.4 for EP Performance Indicator Assessments of Licensed Operator Requalification (LOR). This requirement is not needed due to decommissioning.	DNA	4
Reviewer comments	Deleted WBT; replaced with Alternative Methods of Training at steps 3.4.3 and 3.5.3.	DNA	5
Reviewer comments	Deleted step 3.4.5	DNA	5
Reviewer comments	Deleted step 3.5.4	DNA	5
Reviewer comments	Deleted steps 3.3, 3.6.1 and 3.6.2	DNA	5
Reviewer comments	Deleted "Continuing Training" step 3.7	DNA	5
Reviewer comments	Deleted "determined from this procedure; Replaced with "found in Attachment 2." Step 5.1.3	DNA	6
Reviewer comments	Rewrote step to clarify 50.54 (q) training quals step 6.4.3.2	DNA	9
Reviewer comments	Deleted no longer required steps 6.4.3.2.1, 6.4.3.2.2 and 6.4.3.2.3	DNA	9
Reviewer comments	Reworded step 6.6.1.1 by removing Training Operations Instructor reference	DNA	9
Reviewer comments	Deleted step 6.6.2.1	DNA	9
Reviewer comments	Deleted step 9.6 referencing WBT	DNA	10
Reviewer comments	Deleted step 9.10 referencing WBT	DNA	10
Reviewer comments	Deleted step 10.2.4.1 referencing Nuclear Training	DNA	12
Reviewer comments	Rewrote section "a." to eliminate WBT, NTD, classroom training, etc. Replaced with Self-Study Guides, assessments, discussion, etc.	DNA	13

Summary of Changes

NN, Order, or Other Action	Description of Change	50.59	Step, Section, Attachment or Page
Reviewer comments	Deleted section "b". The Training Advisory Committee is not necessary.	DNA	13
Reviewer comments	Rewrote section "d." second paragraph by removing ERO position and retraining reference	DNA	13
Reviewer comments	Rewrote section "e." paragraph by removing CFDM. 1410 Supervisor, Web based, and training coordinator references	DNA	13
Reviewer comments	Rewrote section "f." by eliminating web based, ERO, and orientation training reference.	DNA	14
Reviewer comments	Deleted last sentence in second paragraph section "g." referencing NRC / DEP	DNA	14
Reviewer comments	Deleted last sentence in section "h." referencing Continuing Training. Changed annual to bi-annual	DNA	14
Reviewer comments	Rewrote section "m." paragraph by removing Required Reading reference	DNA	16
Reviewer comments	Rewrote first paragraph in section "n." by removing WBT, NTD, and written test reference. Added "Upon failure of their first assessment, students should self-remediate" for added clarification. Deleted last paragraph	DNA	16
Reviewer comments	Rewrote paragraph in section "o." by removing GET, CFDM, Training exemption, and procedure references.	DNA	16
Reviewer comments	Deleted section "p" EP TAC has been eliminated therefore this section does not apply.	DNA	16
Reviewer comments	Deleted the word "classroom" in section "r."	DNA	16
Reviewer comments	Deleted WBT modules reference in section "t."	DNA	17
Reviewer comments	Revised Attachment 2, Emergency Plan Training Program Curriculum by deleting training program curriculum that is no longer site required. QWTs were changed to reflect the merging of Technical Leader and Assessor duties. Added matrix qual ENCSPT to JIC Director Changed annual to bi-annual	DNA	Pages 18-19
Reviewer comments	Added section to table for Self-Study Guide and moved EPTENR and EPTEAL from Unit of Instruction Description to Self-Study Guide. Changed Cycle Multiplier from C1 to B.	DNA	Page 20
Reviewer comments	Changed heading from "Web Base Training" to Discussions.	DNA	Page 20
Reviewer comments	Deleted the 1 after the L. The 1 is not necessary.	DNA	Page 20

Summary of Changes

NN, Order, or Other Action	Description of Change	50.59	Step, Section, Attachment or Page
Reviewer comments	Deleted NTD from Program Owner column. Deleted T from EPT. NTD is going away and EP Training is also going away.	DNA	Page 20
Reviewer comments	Moved Encode EPTB5B from WEB Base Training to Unit of Instruction Description and change Cycle multiplier from A1 to C2.	DNA	Page 20
Reviewer comments	Delete Encodes 710MSA, 710SED, 710SED, 710EGL and ENCONI	DNA	Page 20
Reviewer comments	Add to ERP CODE L7, RP Supervisor, Lead and Advisor	DNA	Page 18

DOCUMENT REVIEWERS	ORGANIZATION
Mayra Alvarado	EP – Cog Sup
Malissa Hamner	EP
APPROVALS	
Debbie Lindbeck	EP – CFDM

Attachment 4

SONGS Emergency Plan Implementing Procedures Index

SONGS Emergency Plan Implementing Procedures Index

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-0.100	17		MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS
SO123-VIII-0.101	0		EMERGENCY RESPONSE EQUIPMENT MANAGEMENT
SO123-VIII-0.200	16		EMERGENCY PLAN DRILLS AND EXERCISES
SO123-VIII-0.201	27		EMERGENCY PLAN EQUIPMENT SURVEILLANCE PROGRAM (EPESP)
SO123-VIII-0.202	11	1	ASSIGNMENT OF EMERGENCY RESPONSE PERSONNEL
SO123-VIII-0.301	16		EMERGENCY TELECOMMUNICATIONS TESTING
SO123-VIII-0.302	7		ONSITE EMERGENCY SIREN SYSTEM TEST
SO123-VIII-0.303	5		PERIMETER PUBLIC ADDRESS SYSTEM (PPAS) ROUTINE TEST
SO123-VIII-1	37		RECOGNITION AND CLASSIFICATION OF EMERGENCIES
SO123-VIII-10	32	1	EMERGENCY COORDINATOR DUTIES
SO123-VIII-10.1	superseded		STATION EMERGENCY DIRECTOR DUTIES
SO123-VIII-10.2	superseded		CORPORATE EMERGENCY DIRECTOR DUTIES
SO123-VIII-10.3	16		PROTECTIVE ACTION RECOMMENDATIONS
SO123-VIII-10.4	superseded		TECHNICAL SUPPORT CENTER (TSC) MANAGER DUTIES
SO123-VIII-10.5	5		EVENT CLOSE OUT AND RECOVERY
SO123-VIII-10.6	7		EMERGENCY RESPONSE ACTIONS FOR A DECLARED SECURITY EVENT
SO23-VIII-30	superseded		UNITS 2/3 OPERATIONS LEADER DUTIES
SO123-VIII-30.1	superseded		EMERGENCY PLANNING COORDINATOR DUTIES
SO123-VIII-30.3	superseded		OSC OPERATIONS COORDINATOR DUTIES

SONGS Emergency Plan Implementing Procedures Index

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-30.4	superseded		EMERGENCY SERVICES COORDINATOR DUTIES
SO123-VIII-30.7	17		EMERGENCY NOTIFICATIONS
SO123-VIII-40	superseded		TSC RADIATION PROTECTION LEADER DUTIES
SO123-VIII-40.1	superseded		OSC RADIATION PROTECTION COORDINATOR DUTIES
SO123-VIII-40.3	superseded		EOF RADIATION PROTECTION LEADER DUTIES
SO123-VIII-40.100	17		DOSE ASSESSMENT
SO123-VIII-40.200	5		RADDOSE-V DOSE ASSESSMENT
SO123-VIII-40.300	superseded		OFFSITE FIELD MONITORING TEAM DUTIES
SO123-VIII-50	superseded		TSC TECHNICAL LEADER DUTIES
SO123-VIII-50.1	superseded		CHEMISTRY COORDINATOR DUTIES
SO123-VIII-50.2	superseded		EOF TECHNICAL LEADER DUTIES
SO23-VIII-50.3	11		CORE DAMAGE ASSESSMENT
SO123-VIII-60	superseded		SECURITY LEADER DUTIES
SO123-VIII-60.1	superseded		OSC SECURITY COORDINATOR DUTIES
SO123-VIII-60.2	superseded		EOF SECURITY LIAISON DUTIES
SO123-VIII-60.4	superseded		SECURITY DIRECTOR DUTIES
SO123-VIII-70	superseded		ADMINISTRATIVE LEADER DUTIES
SO123-VIII-70.2	superseded		EOF ADMINISTRATIVE COORDINATOR DUTIES
SO123-VIII-80	superseded		EMERGENCY GROUP LEADER DUTIES
SO123-VIII-CR	0	1	EMERGENCY RESPONSE ORGANIZATION (ERO) CONTROL ROOM POSITION CHECKLISTS

SONGS Emergency Plan Implementing Procedures Index

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-EOF	0		EMERGENCY RESPONSE ORGANIZATION (ERO) EMERGENCY OPERATIONS FACILITY POSITION CHECKLISTS
SO123-VIII-JIC	0		EMERGENCY RESPONSE ORGANIZATION (ERO) JOINT INFORMATION CENTER (JIC) POSITION CHECKLIST
SO123-VIII-OSC	0		EMERGENCY RESPONSE ORGANIZATION (ERO) OPERATIONS SUPPORT CENTER POSITION CHECKLISTS
SO123-VIII-TSC	0		EMERGENCY RESPONSE ORGANIZATION (ERO) TECHNICAL SUPPORT CENTER POSITION CHECKLISTS

Attachment 5

**Songs Emergency Plan Referenced Manuals, Orders,
and Training Procedures Index**

**Songs Emergency Plan Referenced Manuals, Orders,
and Training Procedures Index**

<u>DOCUMENT</u>	<u>REV. #</u>	<u>TITLE</u>
SO123-EP-1	9	SONGS EMERGENCY PLAN IMPLEMENTATION
SO123-XXI-1.11.3	29	EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION
EPSD-1	6	EMERGENCY ACTION LEVEL TECHNICAL BASES
EPSD-1 1.0	2	SECTION 1.0 - PURPOSE
EPSD-1 2.0	3	SECTION 2.0 - DISCUSSION
EPSD-1 3.0	3	SECTION 3.0 - REFERENCES
EPSD-1 4.0	5	SECTION 4.0 - DEFINITIONS, ACRONYMS AND ABBREVIATIONS
EPSD-1 5.0	2	SECTION 5.0 - EAL TECHNICAL BASES
EPSD-1 5.1	4	SECTION 5.1 - CATEGORY A -ABNORMAL RAD LEVELS / RADIOLOGICAL EFFLUENT
EPSD-1 5.2	4	SECTION 5.2 - CATEGORY C - COLD SHUTDOWN / REFUELING SYSTEM MALFUNCTION
EPSD-1 5.3	3	SECTION 5.3 - CATEGORY E - EVENTS RELATED TO INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS
EPSD-1 5.4	5	SECTION 5.4 - CATEGORY F - FISSION PRODUCT BARRIER DEGRADATION
EPSD-1 5.5	5	SECTION 5.5 - CATEGORY H - HAZARDS AND OTHER CONDITIONS AFFECTING PLANT SAFETY
EPSD-1 5.6	6	SECTION 5.6 - CATEGORY S - SYSTEM MALFUNCTION

Attachment 6

**Report and Analysis Summary of
SONGS Emergency Plan Implementing Procedures Changes**

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(v)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-10.3, Revision 16
Title: Protective Action Recommendations
SONGS Nuclear Notification (NN): 202484253-22

Section and Change Description	Analysis Summary
<p>Change 1 Throughout procedure - Upgrade the procedure to the standards outlined in SO123-XV-109.</p> <p>Change 2 Page 1 - Added statement for color relevance on the cover page as required by SO123-VI-28.</p> <p>Change 3 Attachment 1 - Changed HP to RP in NOTE prior to step 1.0.</p> <p>Change 4 Attachment 1 - Changed Health Physics to Radiation Protection in step 1.3.1 third bullet.</p> <p>Change 5 Steps 2.1.3, 2.1.4 and 2.1.5 - Added EOF Manager, TSC EA, Operations, and TSC Manager to responsibilities.</p> <p>Change 6 Step 5.1.4 - Added qualifications for EOF Manager, TSC EA, Operations, and TSC Manager</p> <p>Change 7 Section 6.0 - Removed NOTES prior to steps 6.1, 6.2.1, and 6.3.1, and placed prior to section 6.0. These NOTES are applicable to the entire procedure section.</p> <p>Change 8 Step 9.1.1.4 - Changed reference from SO123-VIII-10.1 to SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center; Attachment 1, Station Emergency Director Position Instruction/Checklist. This is done to reflect the creation of new facility position checklist procedures.</p> <p>Change 9 Step 9.1.1.5 - Changed reference from SO123-VIII-10.2 to SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility; Attachment 1, Corporate Emergency Director Instruction/Checklist. This is done to reflect the creation of new facility position checklist procedures.</p> <p>Change 10 Attachment 2 - Changed flow chart diamond in Attachment 2 from "Actual radiological release < 1 hour with no potential further releases" to "Event related radiological release < 1 hour in duration ", which is consistent to the wording contained in Attachment 1.</p>	<p>As a result of reorganization of functions within the Emergency Response Organization, changes 5 and 6 reflect the added function for those positions noted in the Change Description. These changes also affect SO123-XXI-1.11.3, Emergency Plan Training Program Description. The assessment for the added functions and changes to SO123-XXI-1.11.3, Emergency Plan Training Program Description, is assessed in NN 202484253, Tasks 14 and 15. These assessments demonstrated that added functions for these positions do not result in a Reduction in the Effectiveness of the SONGS Emergency Plan. Therefore, changes to SO123-VIII-10.3, Revision 16, also do not result in a Reduction in the Effectiveness of the SONGS Emergency Plan.</p> <p>Editorial changes do not result in a Reduction in the Effectiveness of the SONGS Emergency Plan. Clarifying wording to enhance understanding is considered an editorial change; changing the meaning/result of a step is not an editorial change per SO123-XV-109.1, Attachment 4, Section 1. The following changes fall within the category of editorial changes:</p> <ul style="list-style-type: none"> - Changes 1, 2, 3, 4, 8 and 9, updated names, phone numbers, procedure format, procedure numbers, distribution lists, or references. - Change 7 reordered steps out of sequence in order to clarify wording to enhance understanding without changing the meaning. - Change 10 clarified wording to enhance understanding. This change added consistency to the procedure and does not change the meaning.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-10.3, Revision 16
Title: Protective Action Recommendations
SONGS Nuclear Notification (NN): 202484253-22

PREPARED BY: Dan Cleavenger

REVIEWED BY: Larry McCann

DATE: 9/14/13

DATE: 9/15/2013

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-10.6, Revision 7

Title: Emergency: Response Actions for a Declared Security Event

SONGS Nuclear Notification (NN): 202484253-23

Section and Change Description

Change 1

Added statement for color relevance on the cover page as required by SO123-VI-28

Change 2

Step 6.2.2.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EIPs.

Change 3

Step 6.2.3.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EIPs.

Change 4

Step 6.2.4.2 - Divided step 6.2.4.2 into a step with three sub steps 6.2.4.2.1, 6.2.4.2.2, and 6.2.4.2.3.

Change 5

Step 6.2.4.2.1 - Added title to SO123-VIII-10.

Change 6

Step 6.2.4.2.2 - Changed reference SO123-VIII-10.1 to SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center, Attachment 1, Station Emergency Director Position Instruction/Checklist. SO123-VIII-10.1 is being cancelled due to the creation of facility position EIPs.

Change 7

Step 6.2.4.2.3 - Changed reference SO123-VIII-70 to SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility, Attachment 5, EOF Administrative Leader Instruction/Checklist. SO123-VIII-70 is being cancelled due to the creation of facility position EIPs.

Change 8

Step 6.2.5 - Added title to SO123-VIII-10.

Change 9

Step 6.3.2.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EIPs.

Analysis Summary

Editorial changes do not result in a Reduction in the Effectiveness of the SONGS Emergency Plan. Clarifying wording to enhance understanding is considered an editorial change; changing the meaning/result of a step is not an editorial change per SO123-XV-109.1, Attachment 4, Section 1. All the changes in SO123-VIII-10.6, Revision 7, fall within the following categories of editorial changes:

- Changes to align with the newly created facility-specific procedures.
- Changes to update names, phone numbers, procedure format, procedure numbers, distribution lists, or references.
- Changes to clarify procedural direction via a NOTE or additional information.
- Changes to clarify wording to enhance understanding and/or correcting spelling, punctuation, and typographical errors.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-10.6, Revision 7
Title: Emergency: Response Actions for a Declared Security Event
SONGS Nuclear Notification (NN): 202484253-23

Section and Change Description

Analysis Summary

Change 10
Step 6.3.3.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EPIPs.

Change 11
Step 6.4.2.2.1 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EPIPs.

Change 12
Step 6.4.3.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EPIPs.

Change 13
Step 6.4.4.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EPIPs.

Change 14
Step 6.4.5.2 - Divided step 6.4.5.2 into a step with three sub steps 6.4.5.2.1, 6.4.5.2.2 and 6.4.5.2.3.

Change 15
Step 6.4.5.2.1 - Added title to SO123-VIII-10.

Change 16
Step 6.4.5.2.2 - Changed reference SO123-VIII-10.1 to SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center, Attachment 1, Station Emergency Director Position Instruction/Checklist. SO123-VIII-10.1 is being cancelled due to the creation of facility position EPIPs

Change 17
Step 6.4.5.2.3 - Changed reference SO123-VIII-70 to SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility, Attachment 5, EOF Administrative Leader Instruction/Checklist. SO123-VIII-70 is being cancelled due to the creation of facility position EPIPs.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-10.6, Revision 7
Title: Emergency: Response Actions for a Declared Security Event
SONGS Nuclear Notification (NN): 202484253-23

Section and Change Description	Analysis Summary
<p>Change 18 Step 6.5.2.2.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EIPs.</p> <p>Change 19 Step 6.5.3.2 - Changed reference SO123-VIII-30 to SO123-VIII-CR, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 1, Operations Leader Instruction/Checklist. SO123-VIII-30 is being cancelled due to the creation of facility position EIPs.</p> <p>Change 20 Step 6.6.3 - Revised step to eliminate references to procedures that are being cancelled due to the creation of new facility position EIPs, and creation of forms from attachments in the old procedures.</p> <p>Change 21 Note prior to step 6.6.4 - Changed reference SO123-VIII-30.1, Attachment 5, to SO123-VIII-EOF, Emergency Response Organization (ERO) Control Room Position Instructions, Attachment 6. SO123-VIII-30.1 is being cancelled due to the creation of facility position EIPs.</p> <p>Change 22 Step 6.6.5.1 - Changed reference to SO123-VIII-10.1, Attachment 3, to Form EP(123) ERO-5. Attachments were deleted and made into forms.</p> <p>Change 23 Step 6.6.5.1 - Changed reference to SO123-VIII-10.1 and SO123-VIII-10.2, to Form EP(123) ERO-5.</p> <p>Change 24 Step 6.8.5.3 - Revised NOTE prior to step 6.8.5.3 to passive as NOTES cannot direct action.</p> <p>Change 25 Steps 9.1.1.9 through 9.1.1.13 - Changed references to procedure numbers to reflect the change to new facility position procedures.</p>	

PREPARED BY: Dan Cleavenger

REVIEWED BY: Larry McCann

DATE: 9/14/13

DATE: 9/15/2013

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-30.7, Revision 17
Title: Emergency Notifications
SONGS Nuclear Notification (NN): 202484253-24

Section and Change Description	Analysis Summary
<p>Change 1 Upgrade the procedure to the standards outlined in SO123-XV-109.</p> <p>Change 2 Removed original section 6.1 and placed in the facility procedures for Control Room (SO123-VIII-CR), Technical Support Center (SO123-VIII-TSC), and EOF (SO123-VIII-EOF) for the positions of Shift Communicator (CR), Emergency Advisor Notifications (TSC), and Emergency Advisor Notifications (EOF).</p> <p>Change 3 Step 6.1.2, 6.1.2.1, and 6.1.2.2 - Changed from: "If upgrading from a Notification of Unusual Event (NOUE) to an Alert or higher classification, and entire Emergency Response Organization (ERO) has not already been recalled, then use recall system to stop current scenario, and start a new scenario using new Scenario ID per Attachment 2 within 10 minutes of event upgrade." Changed to: "When upgrading from a Notification of Unusual Event (NOUE) to an Alert or higher classification, and the Emergency Response Organization (ERO) has not already been recalled: Use recall system to stop current scenario. Start a new scenario using new Scenario ID per Attachment 2 within 10 minutes of event upgrade."</p> <p>Change 4 Moved steps 6.10.5 and 6.10.5.1 to SO123-VIII-CR (Shift Communicator) and SO123-VIII-EOF (Emergency Advisor Notifications) in Yellow Phone Problems.</p> <p>Change 5 Step 6.2.3.3 - Added EOC to San Juan Capistrano to make the title reflect the actual title for phone station #26.</p> <p>Change 6 Step 6.4.1.2 - Added the following NOTE prior to step: "A Radiological Release Has occurred when there is a measurable increase in radioactive material related to the event that is in a pathway to the environment OR In the environment as measured by field monitoring.</p>	<p>The changes noted are considered betterments to the procedure. The changes do not change the following (10 CFR 50 Appendix E or 10 CFR 50.47(b)(5)):</p> <ul style="list-style-type: none"> - Capability to notify responsible State and local governmental agencies within 15 minutes after declaring an emergency. - The administrative and physical means for a backup method of public alerting and notification capable of being used in the event the primary method of alerting and notification is unavailable during an emergency. - The content of initial and followup messages to response organizations - The means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone. <p>Based on the above, changes to SO123-VIII-30.7 Revision 17 do not result in a Reduction in Effectiveness in the SONGS Emergency Plan.</p>

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Revision 17 Title: Emergency Notifications SONGS Nuclear Notification (NN): 202484253-24	
Section and Change Description	Analysis Summary
<p>A Radiological Release has stopped when there is no longer a pathway to the environment AND There are no longer indications of an active radiological release."</p> <p>Change 7 Attachment 2, Keypoint 10 - Changed from: "Enter Event Code that consists of the Event Category (A, C, E-H, F, H, S), Emergency Class" Changed to: "Enter Event Code that consists of the Event Category (A, C, E, E-H, F, H, S), Emergency Class"</p> <p>Change 8 Attachment 2, Keypoint 11, Page 18 - Added weather page, CFMS or RAD DOSE V to provide alternate means for obtaining wind direction and speed.</p> <p>Change 9 Attachment 3 Keypoint 6 - Added weather page, CFMS or RAD DOSE V.</p> <p>Change 10 Step 6.2.6 - Added "If the notification is given during nonworking hours or the station does not respond; request the counties notify their cities EOC."</p> <p>Change 11 Step 6.2.4 - Changed from: "YPS call followed by an alternate number call prior to performing the 30 minute printed message YPDS transmission." Changed to: "YPS call followed by an alternate number using the Emergency Response Telephone Directory (ERTD) call prior to performing the 30 minute printed message YPDS transmission."</p> <p>Change 12 Step 6.5.1 - Added the following NOTE 2 prior to step: "All emergency response and support organizations shall be promptly notified of the termination of the emergency, and/or the initiation of recovery operations, in the same manner as was used for initial notification."</p> <p>Change 13 Step 6.3.2 - Added "Ensure ENF message has been received by off-site agencies (i.e. fax confirmation received)."</p> <p>Change 14 Step 6.3.2.1 - Added "Report status of 30-minute printed message notification to EAN/EC."</p>	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Revision 17 Title: Emergency Notifications SONGS Nuclear Notification (NN): 202484253-24	
Section and Change Description	Analysis Summary
<p>Change 15 Step 6.1.3 - Deleted step as it is covered in the EPIPs for the ERO Positions.</p> <p>Change 16 Steps 6.1.2, 6.1.2.1, and 6.1.2.2 - Split step 6.1.2 into separate steps to reduce the number of actions per step.</p> <p>Change 17 Steps 6.1.3 and 6.1.3.1 - Split step 6.1.3 into separate steps to reduce the number of actions per step.</p> <p>Change 18 6.2.3.3 - Added COMM EOC to (28) Orange County to differentiate between (27) Orange County and (28) Orange County.</p> <p>Change 19 Step 6.2.8.1 - Deleted words "Emergency Coordinator". This is not needed in this step because the abbreviation is there and Emergency Coordinator is defined in definitions.</p> <p>Change 20 Page 1 - Added statement for color relevance on the cover page as required by SO123-VI-28.</p> <p>Change 21 Step 1.2 - Added scope statement per SO123-XV-109.</p> <p>Change 22 Step 5.1.2 - Revised step per SO123-XV-109 and verbiage for EPIPs.</p> <p>Change 23 Steps 6.2.1 and 6.2.2 - Added clock in margin to remind the performance of step(s) has to be completed within the designated time frame.</p> <p>Change 24 Section 9.0 - Added Section 9.0 Acronyms/Definitions to procedure per SO123-XV-109.</p> <p>Change 25 Attachment 4, Keypoint 9 - Changed HP to RP to reflect organizational changes at SONGS.</p> <p>Change 26 Section 6.2 - Combined sections 6.2 and 6.3 to eliminate redundancies.</p>	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Revision 17
Title: Emergency Notifications
SONGS Nuclear Notification (NN): 202484253-24

Section and Change Description	Analysis Summary
<p>Change 27 Step 6.3.1.6 - Changed CAL EMA to CAL OES.</p> <p>Change 28 Step 6.4.6 - Changed CAL EMA to CAL OES.</p> <p>Change 29 Step 6.5.3.3 - Changed CAL EMA to CAL OES.</p> <p>Change 30 Step 6.5.2.4 - Deleted step. The yellow phone communicator has been merged with the EAN position due to ERO Optimization.</p> <p>Change 31 Step 6.2.1 - In NOTE 1 prior to step 6.2.1, changed shall to should.</p> <p>Change 32 Step 6.2.1 - In NOTE 2 prior to step 6.2.1, changed "had to be" to "shall be".</p> <p>Change 33 Step 6.2.1.2 - Deleted "IF completing form, THEN" from the beginning of step.</p> <p>Change 34 Step 6.2.1.2 - Added quotation marks to step.</p> <p>Change 35 Step 6.2.1.4 - In NOTE 1 following step 6.2.1.4, added CAL OES's alternate number can be used for clarification.</p> <p>Change 36 Step 6.2.1.4 - In NOTE 2 following step 6.2.1.4, added that alternate numbers in ERTD and other communication methods can be used for clarification.</p> <p>Change 37 Step 6.2.1.4 - Added NOTE 3 following step 6.2.1.4 for clarification.</p> <p>Change 38 Step 6.2.1.4 - In NOTE 4 following step 6.2.1.4, added Event Declaration Time for clarification.</p> <p>Change 39 Step 6.2.2 - In NOTE prior to step 6.2.2, added Event Declaration Time prior to EDT.</p>	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Revision 17 Title: Emergency Notifications SONGS Nuclear Notification (NN): 202484253-24	
Section and Change Description	Analysis Summary
<p>Change 40 Step 6.2.2.1 - Changed CAL EMA to CAL OES</p> <p>Change 41 Step 6.2.3.1 - Added step to use ERTD for alternate numbers.</p> <p>Change 42 Step 6.2.7 - Revised the conditional portion of 6.2.7 by adding to step that the notifications can be combined into one notification, and combining portions of step 6.3.5 to inform the communicator to complete notification skipping the roll call portion of the verbal notification form AND STANDBY for a new set of notifications.</p> <p>Change 43 Step 6.2.7 - Deleted old step 6.2.8. This is a duplicate of step 6.2.7.</p> <p>Change 44 Step 6.2.8 - Moved old step 6.6 to step 6.2.8. This step also requires a 15 minute notification.</p> <p>Change 45 Step 6.3.1 - Revised step to: "EAN/EC COMPLETE ENF". Deleted portion of step to deliver the ENF to the communicator.</p> <p>Change 46 Steps 6.3.1.1 and 6.3.1.2 - Moved steps 6.2.7.1 and 6.2.7.2 to after step 6.3.1.</p> <p>Change 47 Old Step 6.3.5.1 - Deleted old step 6.3.5.1. This is a duplicate step.</p> <p>Change 48 Step 6.3.1.3 - Added EAN/EC to step to give the performer of the step.</p> <p>Change 49 Step 6.3.1.4 - Changed IF to Verify to simplify step.</p> <p>Change 50 Step 6.3.1.5 - Moved NOTE from prior to step 6.4.1.6 to prior to step 6.3.1.5.</p> <p>Change 51 Step 6.3.1.5 - Deleted "hand drafted" from step. All forms are hand drafted.</p>	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Revision 17 Title: Emergency Notifications SONGS Nuclear Notification (NN): 202484253-24	
Section and Change Description	Analysis Summary
<p>Change 52 Step 6.3.1.6 Changed CAL EMA to CAL OES</p> <p>Change 53 Step 6.3.2.1 - Revised step to record status on the notification board.</p> <p>Change 54 Step 6.4.1.11 - Deleted old step, Fax completed VNF to TSC and/or EOF.</p> <p>Change 55 Step 6.4 - Step numbering changed due to moving step 6.6.</p> <p>Change 56 Step 6.4.1 - Added "OR as directed by the EC".</p> <p>Change 57 Step 6.4.2 - In NOTE prior to step 6.4.2, deleted "Yellow Phone Communicator can prepare follow up VNF without EAN assistance". The position of Yellow Phone Communicator has been eliminated due to ERO Optimization.</p> <p>Change 58 Step 6.4.3.1 - Deleted "hand drafted" from step.</p> <p>Change 59 Step 6.4.3.3 - Moved NOTE prior to step.</p> <p>Change 60 Steps 6.7.3.4 through 6.7.3.6 - Deleted old steps 6.7.3.4 through 6.7.3.6.</p> <p>Change 61 Step 6.4.4 - Revised step to transmit ENF message to offsite agencies.</p> <p>Change 62 Step 6.4.8 - Revised step to record status on the notification board.</p> <p>Change 63 Step 6.4.8 - Changed CAL EMA to CAL OES.</p> <p>Change 64 Step 6.5.4 - Revised step to record status on the notification board.</p> <p>Change 65 Step 6.7.4.5 - Deleted old step.</p>	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Revision 17
Title: Emergency Notifications
SONGS Nuclear Notification (NN): 202484253-24

Section and Change Description	Analysis Summary
<p>Change 66 Steps 6.8.2.4 through 6.8.2.6 - Deleted old steps 6.8.2.4 through 6.8.2.6.</p> <p>Change 67 Step 6.5.2.1 - Deleted "hand drafted" from step.</p> <p>Change 68 Step 6.8.3.5 - Deleted old step.</p> <p>Change 69 Attachment 2 - Moved Section 6.11, EOF Administrative Actions, to Attachment 5 of SO123-VIII-EOF.</p> <p>Change 70 Moved checklist from section 5.0 CHECKLISTS to SO123-VIII-CR (Shift Communicator checklist) and SO123-VIII-EOF (Emergency Advisor Notifications checklist).</p> <p>Change 71 Moved section 6.10 to SO123-VIII-CR (Shift Communicator) and SO123-VIII-EOF (Emergency Advisor Notifications checklist).</p> <p>Change 72 Moved step 6.3.3.3 to SO123-VIII-CR (Shift Communicator) and SO123-VIII-EOF (Emergency Advisor Notifications).</p> <p>Change 73 Attachment 1, Key point 12 - revised for VNF form.</p>	

PREPARED BY: Dan Cleavenger

REVIEWED BY: Larry McCann

DATE: 9/14/13

DATE: 9/15/2013

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-CR, Revision 0 EC-1

Title: Emergency Response Organization (ERO) Control Room Position Checklists

SONGS Nuclear Notification (NN): 202484253-28

Section and Change Description	Analysis Summary
<p>This procedure is a new facility-specific procedure.</p> <p>Added responsibilities for Shift Technical Advisor to the responsibilities of the Operations Leader.</p> <p>Created Attachment 1, Operations Leader Instruction/Checklist, from SO123-VIII-30.</p> <p>Added responsibilities for Control Room ENS Communicator to the responsibilities of the Shift Communicator.</p> <p>Combined Shift Technical Advisor Position Checklist with Shift Communicator Checklist.</p> <p>Combined ENS Communicator Position Checklist with Shift Communicator Checklist.</p> <p>Yellow Phone Problems was moved from SO123-VIII-30.7 to the checklist in Attachment 1.</p> <p>Created Attachment 2, Shift Communicator Checklist, from SO123-VIII-30.7.</p> <p>This Procedure supersedes the following procedures: SO123-VIII-30 Portions of SO123-VIII-30.7</p> <p>EC-1 made minor editorial changes to Revision 0 of the procedure.</p>	<p>Part one of the changes made to this procedure are a result of the Emergency Plan Implementing Procedures (EPIPs) Upgrade Project. This project is to bring station procedures in alignment with industry best practices. Specifically, this procedure completes Phase 2 of the 2012 initiative to "Revise position-specific procedures into one procedure using the checklist format." (NN 201809544)</p> <p>Part two of the changes made to this procedure are a result of Southern California Edison's decision to decommission Units 2/3. Based on this decision, the Emergency Response Organization (ERO) was optimized. The optimization of the organization was accomplished by combining work tasks from other similar positions with the duties of the minimum staff position in the Control Room (CR). By combining these tasks, the non-minimum staff positions were eliminated.</p> <p>A 10 CFR 50.54(q) analysis was conducted to ensure there was not a reduction in the effectiveness of the Emergency Plan as a result of the changes made to this procedure. (NN 202484253 task 40)</p> <p>The following information identifies the technical basis for optimizing the ERO by combining functions for a station in a permanently defueled condition.</p> <ul style="list-style-type: none"> - Nuclear fuel has been permanently offloaded on both units and SONGS is no longer authorized to replace fuel in either reactor. - The radiological consequences of accidents that remain possible at SONGS are substantially lower than those at an operating plant. - Following the termination of reactor operations at SONGS and the permanent removal of the fuel from the reactor vessel, classifiable events involving the reactor coolant system (RCS) or secondary system are no longer possible. - The plant is permanently shutdown, defueled and the radiological source term at the site is reduced from that associated with reactor power operation. With the reactor power plant permanently shutdown and defueled, the design basis accident and transients postulated to occur during reactor operation are no longer possible.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-CR, Revision 0 EC-1 Title: Emergency Response Organization (ERO) Control Room Position Checklists SONGS Nuclear Notification (NN): 202484253-28	
PREPARED BY: Dan Cleavenger	REVIEWED BY: Larry McCann
DATE: 9/12/13	DATE: 9/12/13

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-EOF, Revision 0

Title: Emergency Response Organization (ERO) Emergency Operations Facility Position Checklists

SONGS Nuclear Notification (NN): 202484253-17

Section and Change Description	Analysis Summary
<p>This procedure is a new facility-specific procedure.</p> <p>Throughout Procedure - Upgrade the procedure to the standards outlined in SO123-XV-109.</p> <p>Page 8 Created Attachment 1, Corporate Emergency Director Instruction/Checklist, from SO123-VIII-10.2.</p> <p>Page 16 Created Attachment 2, EOF Manager Checklist, from SO123-VIII-10.2.</p> <p>Combined JIC Communications/Technical Liaison from SO123-VIII-10.2 with EOF Manager Checklist.</p> <p>Page 20 Created Attachment 3, EOF Technical Leader Checklist, from SO123-VIII-50.2.</p> <p>Combined EOF Brown Phone Talker from SO123-VIII-50.2 with EOF Technical Leader Checklist.</p> <p>Combined EOF SRO Briefer/Ivory Phone Talker from SO123-VIII-10.2 with EOF Technical Leader Checklist.</p> <p>Page 23 Created Attachment 4, EOF Security Director Checklist, from SO123-VIII-60.4.</p> <p>Combined EOF Security Liaison Instruction/Checklist from SO123 VIII-60.2 with EOF Security Director Checklist.</p> <p>Page 32 Created Attachment 5, EOF Administrative Leader Instruction/Checklist, from SO123-VIII-70.</p> <p>Combined EOF Emergency Planning Coordinator Instruction/Checklist from SO123-VIII-70.2 with EOF Administrative Leader Instruction/Checklist.</p> <p>Combined EOF Offsite Liaison/Status Board Keeper with EOF Administrative Leader Instruction/Checklist. There was no checklist previously.</p> <p>Page 44 Created Attachment 6, EOF Emergency Planning Coordinator Instruction/Checklist, from SO123-VIII-70.2. Created Attachment 6, EOF Emergency Planning Coordinator Checklist, from SO123-VIII-30.1.</p>	<p>Part one of the changes made to this procedure are a result of the Emergency Plan Implementing Procedures (EPIPs) Upgrade Project. This project is to bring station procedures in alignment with industry best practices. Specifically, this procedure completes Phase 2 of the 2012 initiative to "Revise position-specific procedures into one procedure using the checklist format." (NN 201809544)</p> <p>Part two of the changes made to this procedure are a result of Southern California Edison's decision to decommission Units 2/3. Based on this decision, the Emergency Response Organization (ERO) was optimized. The optimization of the organization was accomplished by combining work tasks from other similar positions with the duties of the minimum staff position in the Emergency Operations Facility (EOF). By combining these tasks, the following non-minimum staff positions were eliminated:</p> <p>EOF Yellow Phone Communicator EOF JIC Communications/Technical Liaison EOF Brown Phone Talker EOF SRO Briefer/Ivory Phone Talker EOF Radiation Protection Communicator EOF Radiation Protection Technician EOF Administrative Coordinator EOF Liaison/Status Board Keeper EOF Security Liaison</p> <p>A 10 CFR 50.54(q) analysis was conducted to ensure there was not a reduction in the effectiveness of the Emergency Plan as a result of the changes made to this procedure. (NN 202484253 task 14)</p> <p>The following information identifies the technical basis for optimizing the ERO by combining functions for a station in a permanently defueled condition.</p> <ul style="list-style-type: none"> - Nuclear fuel has been permanently offloaded on both units and SONGS is no longer authorized to replace fuel in either reactor. - The radiological consequences of accidents that remain possible at SONGS are substantially lower than those at an operating plant. - Following the termination of reactor operations at SONGS and the permanent removal of the fuel from the reactor vessel, classifiable events

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-EOF, Revision 0 Title: Emergency Response Organization (ERO) Emergency Operations Facility Position Checklists SONGS Nuclear Notification (NN): 202484253-17	
Section and Change Description	Analysis Summary
<p>Page 51 Created Attachment 7, EOF Radiation Protection Leader Checklist, from SO123-VIII-40.3.</p> <p>Combined EOF Radiation Protection Communicator from SO123-VIII-40.3 with EOF Radiation Protection Leader Checklist.</p> <p>Combined TSC Radiation Protection Communicator Checklist from SO123-VIII-40.3 with EOF Radiation Protection Leader Checklist.</p> <p>Combined EOF Radiation Protection Technician Checklist from SO123-VIII-40.3 with EOF Radiation Protection Leader Checklist.</p> <p>Page 57 Created Attachment 8, EOF Emergency Advisor Notifications, Checklist from SO123-VIII-10.2.</p> <p>Combined EOF Yellow Phone Communicator with EOF Emergency Advisor Notifications Checklist. There was no checklist previously for Yellow Phone Communicator. Yellow Phone Problems was moved from SO123-VIII-30.7.</p> <p>Page 62 Created Attachment 9, EOF Offsite Field Monitoring Team Checklist, from SO123-VIII-40.300.</p> <p>This procedure supersedes the following: SO123-VIII-10.2 SO123-VIII-30.1 SO123-VIII-40.3 SO123-VIII-50.2 SO123-VIII-60.2 SO123-VIII-60.4 SO123-VIII-70 SO123-VIII-70.2 SO123-VIII-40.300</p>	<p>involving the reactor coolant system (RCS) or secondary system are no longer possible.</p> <ul style="list-style-type: none"> - The plant is permanently shutdown, defueled and the radiological source term at the site is reduced from that associated with reactor power operation. With the reactor power plant permanently shutdown and defueled, the design basis accident and transients postulated to occur during reactor operation are no longer possible.

PREPARED BY: Dan Cleavenger	REVIEWED BY: Larry McCann
DATE: 9/12/13	DATE: 9/12/13

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-JIC, Revision 0

Title: Emergency Response Organization (ERO) Joint Information Center (JIC) Position Checklist

SONGS Nuclear Notification (NN): NN 202484253-20

Section and Change Description	Analysis Summary
<p>This procedure is a new facility-specific procedure.,</p> <p>Throughout Procedure Upgraded the procedure to the standards outlined in SO123-XV-109.</p> <p>Created new Attachment 1, Management Team Checklist. The checklist is used by the JIC Director, the only minimum staff position assigned the Joint Information Center.</p> <p>Combined the duties of the previously assigned Technical Team to the JIC Director's Management Team Checklist. The duties are described in checklist sections 1.4 through 1.7, and are listed below.</p> <p>1.4 ENSURE Yellow Phone (Black Box) and Ivory phone monitors are operable.</p> <p>1.5 VERIFY the Yellow Phone monitor is operable by listening for communications between SONGS and outside agencies. Monitor conversations for updates on emergency event classification, protective action recommendations and offsite decision-making.</p> <p>1.6 VERIFY the Ivory Phone monitor is operable by listening for communications between site emergency response facilities. Monitor conversations for updates on plant conditions and emergency event classifications.</p> <p>1.7 CHECK the Yellow Phone Fax machine to ensure paper is loaded. RETRIEVE AND REVIEW any fax copies that have been transmitted.</p> <p>Additional functions performed by the JIC Director are as follows:</p> <p>1.1 Contact the Vice President of SCE Corporate Communications at (626) 302-2255 and request activation of the Corporate Communication response team to the Joint Information Center (JIC).</p> <p>1.3 CONTACT the EOF Manager at extension 883326 or 883328 to obtain current plant status.</p> <p>1.11.3 DISCUSS the following:</p> <ul style="list-style-type: none"> • Pre-accident plant conditions • Current plant conditions • Personnel who are in charge at the plant 	<p>Part one of the changes made to this procedure are a result of the Emergency Plan Implementing Procedures (EPIPs) Upgrade Project. This project is to bring station procedures in alignment with industry best practices. Specifically, this procedure completes Phase 2 of the 2012 initiative to "Revise position-specific procedures into one procedure using the checklist format." (NN 201809544)</p> <p>Part two of the changes made to this procedure are a result of Southern California Edison's decision to decommission Units 2/3. Based on this decision, the Emergency Response Organization (ERO) was optimized. The optimization of the organization was accomplished by combining work tasks from other similar positions with the duties of the minimum staff position in the Joint Information Center (JIC). By combining these tasks the following non-minimum staff positions were eliminated or reassigned to the Corporate Communication team.</p> <ul style="list-style-type: none"> - Technical Team - Responsibilities shift to the JIC Director - Corporate Communications Team - Responsibilities stay with Corporate Communications - Assistant Spokesperson - Responsibilities shift to Corporate Communications - Audio/Visual Team - Responsibilities shift to Corporate Communications - Logistics Team - Responsibilities shift to Corporate Communications - Media Liaison Team - Responsibilities shift to Corporate Communications - Media Writer Team - Responsibilities shift to Corporate Communications - Administrative Support - Responsibilities shift to Corporate Communications - NIS Representative - Responsibilities shift to Corporate Communications - PIO Facilitator Team - Responsibilities shift to Corporate Communications - Security Team - Responsibilities shift to Corporate Communications <p>Previously these positions were listed in JIC Guideline OEPG-SO123-G-1. The positions provide support to the Joint Information Center; however, they are not required to activate the facility and are not included in SO123-VII-JIC, Rev. 0. The Southern California Edison Corporate Communications staff are the best equipped to work with the media and to generate Press Releases; therefore, the above listed JIC positions report to the Director of Corporate Communications.</p>

EP(123) 26 Rev 0 09/12

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-JIC, Revision 0
Title: Emergency Response Organization (ERO) Joint Information Center (JIC) Position Checklist
SONGS Nuclear Notification (NN): NN 202484253-20

Section and Change Description	Analysis Summary
<ul style="list-style-type: none"> • Release of radioactivity (as applicable) • Local, State and Federal Agency Notifications • Wind direction and speed • Any effects on Offsite Populations • Injuries involved with the emergency • Unaffected unit plant status <p>1.12 COORDINATE with Nuclear Communication Manager (or designee), to ensure the media receive a timely response to unanswered questions</p> <p>1.13 REVIEW AND APPROVE media releases. ENSURE CED reviews and approves all press releases prior to issue.</p> <ul style="list-style-type: none"> • FAX completed Press Release to 9493683664. • CONTACT the EOF Manager at extension 883326 or 883328 and REQUEST they retrieve the Press Release from the Fax machine located in Room EOF12 and seek CED approval. 	<p>A 10 CFR 50.54(q) analysis was conducted to ensure there was not a reduction in the effectiveness of the Emergency Plan as a result of the changes made to this procedure. (NN 202484253 task 19)</p> <p>The following information identifies the technical basis for optimizing the ERO by combining functions for a station in a permanently defueled condition.</p> <ul style="list-style-type: none"> - Nuclear fuel has been permanently offloaded on both units and SONGS is no longer authorized to replace fuel in either reactor. - The radiological consequences of accidents that remain possible at SONGS are substantially lower than those at an operating plant. - Following the termination of reactor operations at SONGS and the permanent removal of the fuel from the reactor vessel, classifiable events involving the reactor coolant system (RCS) or secondary system are no longer possible. - The plant is permanently shutdown, defueled and the radiological source term at the site is reduced from that associated with reactor power operation. With the reactor power plant permanently shutdown and defueled, the design basis accident and transients postulated to occur during reactor operation are no longer possible.

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Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(v)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-OSC, Revision 0

Title: Emergency Response Organization (ERO) Operations Support Center Position Checklists

SONGS Nuclear Notification (NN): 202484253-25

Section and Change Description	Analysis Summary
<p>This procedure is a new facility-specific procedure.</p> <p>Step 1.3.8 Added responsibilities for OSC Radiation Protection Radio Operator to the responsibilities of the OSC Emergency Planning Coordinator. Added responsibilities for the OSC Team Status Board Keeper, to the responsibilities of the OSC Emergency Planning Coordinator. Added responsibilities for OSC CDM Support to the responsibilities of the OSC Emergency Planning Coordinator.</p> <p>Step 1.3.7 Added responsibilities for OSC Ivory Phone/Plant Status Board Keeper to the responsibilities of the OSC Emergency Planning Coordinator.</p> <p>Step 1.3.4 Added responsibilities for EOF Multi Channel Analyzer (MCA) Operator to the responsibilities of the OSC Chemistry Coordinator.</p> <p>Step 1.3.9 Added responsibilities OSC Hazmat Technician to the responsibilities of the OSC Emergency Services Coordinator.</p> <p>Step 1.3.6 Added responsibilities OSC Assistant Maintenance Coordinator to the responsibilities of the OSC Maintenance Coordinator.</p> <p>Step 1.3.8 Added responsibilities OSC Assistant Radiation Protection Coordinator to the responsibilities of the OSC Radiation Protection Coordinator. Added responsibilities OSC Radiation Protection Communicator to the responsibilities of the OSC Radiation Protection Coordinator. Added responsibilities OSC Radiation Protection Planner to the responsibilities of the OSC Radiation Protection Coordinator.</p> <p>Page 9 Created Attachment 1, OSC Emergency Group Leader Checklist, from SO123 VIII-80.</p> <p>Page 18 Created Attachment 2, OSC Radiation Protection Coordinator Checklist, from SO123-VIII-40.1.</p>	<p>Part one of the changes made to this procedure are a result of the Emergency Plan Implementing Procedures (EPIPs) Upgrade Project. This project is to bring station procedures in alignment with industry best practices. Specifically, this procedure completes Phase 2 of the 2012 initiative to "Revise position-specific procedures into one procedure using the checklist format." (NN 201809544)</p> <p>Part two of the changes made to this procedure are a result of Southern California Edison's decision to decommission Units 2/3. Based on this decision, the Emergency Response Organization (ERO) was optimized. The optimization of the organization was accomplished by combining work tasks from other similar positions with the duties of the minimum staff position in the Operations Support Center (OSC). By combining these tasks, the following non-minimum staff positions were eliminated.</p> <p>OSC Assistant Maintenance Coordinator OSC Team Status Board Keeper OSC Health Physics Communicator OSC Assistant Health Physics Coordinator OSC Health Physics Planner OSC Health Physics Radio Operator OSC Ivory Phone/Plant Status Board Keeper OSC CDM Support OSC Hazmat Technician</p> <p>A 10 CFR 50.54(q) analysis was conducted to ensure there was not a reduction in the effectiveness of the Emergency Plan as a result of the changes made to this procedure. (NN 202484253 task 16).</p> <p>The following information identifies the technical basis for optimizing the ERO by combining functions for a station in a permanently defueled condition.</p> <ul style="list-style-type: none"> - Nuclear fuel has been permanently offloaded on both units and SONGS is no longer authorized to replace fuel in either reactor. - The radiological consequences of accidents that remain possible at SONGS are substantially lower than those at an operating plant. - Following the termination of reactor operations at SONGS and the permanent removal of the fuel from the reactor vessel, classifiable events

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: S0123-VIII-OSC, Revision 0
Title: Emergency Response Organization (ERO) Operations Support Center Position Checklists
SONGS Nuclear Notification (NN): 202484253-25

Section and Change Description	Analysis Summary
<p>Combined OSC Assistant Radiation Protection Coordinator Position Checklist with OSC Radiation Protection Coordinator Checklist.</p> <p>Combined OSC Radiation Protection Communicator Position Checklist with OSC Radiation Protection Coordinator Checklist.</p> <p>Combined OSC Radiation Protection Planner Position Checklist with OSC Radiation Protection Coordinator Checklist.</p> <p>Combined OSC Radiation Protection Radio Operator Position Checklist with OSC Radiation Protection Coordinator Checklist.</p> <p>Page 40 Created Attachment 3, OSC Radiation Protection Technician Checklist, from SO123-VIII-40.1.</p> <p>Page 42 Created Attachment 4, OSC Chemistry Coordinator Checklist, from SO123-VIII-50.1.</p> <p>Page 53 Created Attachment 5, OSC Security Coordinator Checklist, from SO123-VIII-60.1.</p> <p>Page 72 Created Attachment 6, OSC Maintenance Coordinator Checklist, from SO123-VIII-80.</p> <p>Page 74 Created Attachment 7, OSC Operations Coordinator Checklist, from SO123-VIII-30.3.</p> <p>Combined OSC Ivory Phone/Plant Status Board Keeper Position Checklist with OSC Operations Coordinator Checklist.</p> <p>Page 76 Created Attachment 8, OSC Emergency Planning Coordinator Checklist, from SO123-VIII-30.1.</p> <p>Page 78 Created Attachment 9, OSC Emergency Services Coordinator Checklist, from SO123-VIII-30.4.</p> <p>Deleted checklists for: OSC Radiation Protection Radio Operator OSC Team Status Board Keeper OSC Ivory Phone/Plant Status board Keeper</p>	<p>involving the reactor coolant system (RCS) or secondary system are no longer possible.</p> <ul style="list-style-type: none"> - The plant is permanently shutdown, defueled and the radiological source term at the site is reduced from that associated with reactor power operation. With the reactor power plant permanently shutdown and defueled, the design basis accident and transients postulated to occur during reactor operation are no longer possible.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: S0123-VIII-OSC, Revision 0 Title: Emergency Response Organization (ERO) Operations Support Center Position Checklists SONGS Nuclear Notification (NN): 202484253-25	
Section and Change Description	Analysis Summary
OSC Assistant Maintenance Coordinator OSC Assistant Radiation Protection Coordinator OSC Radiation Protection Communicator OSC Radiation Protection Planner This procedure supersedes the following procedures: SO123-VIII-30.1 SO123-VIII-30.3 SO123-VIII-30.4 SO123-VIII-40.1 SO123-VIII-50.1 SO123-VIII-60.1 SO123-VIII-80	

PREPARED BY: Dan Cleavenger	REVIEWED BY: Larry McCann
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Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-VIII-TSC, Revision 0

Title: Emergency Response Organization (ERO) Technical Support Center Position Checklists

SONGS Nuclear Notification (NN): 202484253-18

Section and Change Description	Analysis Summary
<p>This procedure is a new facility-specific procedure.</p> <p>Step 1.2.7 Added responsibilities for TSC Radiation Protection Advisor, TSC Radiation Protection DAC Operator, and EOF Radiation Protection Engineer, to the TSC Radiation Protection Leader.</p> <p>Step 1.2.8 Added responsibilities for TSC Technical Team Assessor to the TSC Technical Leader.</p> <p>Step 1.2.9 Added responsibilities for EOF Effluent Engineer to the TSC Technical Team Mitigator.</p> <p>Page 7 Created Attachment 1, Station Emergency Director Position Instruction/Checklist, from SO123-VIII-10.1.</p> <p>Page 19 Created Attachment 2, TSC Emergency Advisor, Notifications Position Checklist, from SO123-VIII-10.1.</p> <p>Page 21 Created Attachment 3, TSC Emergency Advisor, Operations Position Checklist, from SO123-VIII-10.1.</p> <p>Page 22 Created Attachment 4, TSC Radiation Protection Leader Position Instruction/Checklist, from SO123-VIII-40.</p> <p>Combined TSC Radiation Protection Advisor with TSC Radiation Protection Leader Position Checklist.</p> <p>Combined TSC Radiation Protection DAC Operator with TSC Radiation Protection Leader Position Checklist.</p> <p>Combined EOF Meteorologist with TSC Radiation Protection Leader Position Checklist.</p> <p>Deleted Meteorology Duties in Section 2.0, steps 2.1-2.10.3.</p> <p>Added new Section 2.0, Continuing Actions.</p> <p>Page 40 Created Attachment 5, TSC Manager Position Instruction/Checklist, from SO123-VIII-50.2.</p>	<p>Part one of the changes made to this procedure are a result of the Emergency Plan Implementing Procedures (EPIPs) Upgrade Project. This project is to bring station procedures in alignment with industry best practices. Specifically, this procedure completes Phase 2 of the 2012 initiative to "Revise position-specific procedures into one procedure using the checklist format." (NN 201809544)</p> <p>Part two of the changes made to this procedure are a result of Southern California Edison's decision to decommission Units 2/3. Based on this decision, the Emergency Response Organization (ERO) was optimized. The optimization of the organization was accomplished by combining work tasks from other similar positions with the duties of the minimum staff position in the Technical Support Center (TSC). By combining these tasks, the following non-minimum staff positions were eliminated.</p> <p>TSC Health Physics DAC Operator TSC Health Physics Communicator TSC Health Physics Advisor TSC Accident Assessor TSC Status Board Keeper TSC CFMS Communicator TSC Log Keeper/Ivory Phone</p> <p>A 10 CFR 50.54(q) analysis was conducted to ensure there was not a reduction in the effectiveness of the Emergency Plan as a result of the changes made to this procedure. (NN 202484253 task 14)</p> <p>The following information identifies the technical basis for optimizing the ERO by combining functions for a station in a permanently defueled condition.</p> <ul style="list-style-type: none"> - Nuclear fuel has been permanently offloaded on both units and SONGS is no longer authorized to replace fuel in either reactor. - The radiological consequences of accidents that remain possible at SONGS are substantially lower than those at an operating plant. - Following the termination of reactor operations at SONGS and the permanent removal of the fuel from the reactor vessel, classifiable events involving the reactor coolant system (RCS) or secondary system are no longer possible.

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Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-TSC, Revision 0
Title: Emergency Response Organization (ERO) Technical Support Center Position Checklists
SONGS Nuclear Notification (NN): 202484253-18

Section and Change Description	Analysis Summary
<p>Page 49 Created Attachment 6, TSC Technical Leader Position Checklist, from SO123-VIII-50.</p> <p>Combined TSC Technical Team Assessor with TSC Technical Leader Position Instruction/Checklist.</p> <p>Page 53 Created Attachment 7, TSC Technical Team Mitigator Position Checklist, from SO123-VIII-50.</p> <p>Combined EOF Effluent Engineer Position Checklist with TSC Radiation Protection Leader Position Instruction/Checklist.</p> <p>Page 55 Created Attachment 8, TSC Security Leader Position Checklist, from SO123-VIII-60.</p> <p>Page 60 Added Attachment 9, TSC Red Phone Communicator Position Checklist.</p> <p>The following checklists were deleted after information was merged into the remaining ERO Positions Checklists: TSC CFMS Computer Operator TSC Status Board Keeper TSC Log Keeper/Ivory Phone Communicator and TSC EOF/ODAC Communicator</p> <p>This procedure supersedes the following procedures: SO123-VIII-10.1 SO123-VIII-10.4 SO123-VIII-40 SO123-VIII-50 SO123-VIII-50.2 SO123-VIII-60</p>	<p>- The plant is permanently shutdown, defueled and the radiological source term at the site is reduced from that associated with reactor power operation. With the reactor power plant permanently shutdown and defueled, the design basis accident and transients postulated to occur during reactor operation are no longer possible.</p>

PREPARED BY: Dan Cleavenger	REVIEWED BY: Larry McCann
DATE: 9/12/13	DATE: 9/12/13

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Reference: SO123-VIII-0.100

Document Number: SO123-XXI-1.11.3, Revision 29
Title: Emergency Plan Training Program Description
SONGS Nuclear Notification (NN): 202484253-32

Section and Change Description	Analysis Summary
<p>Change 1 Upgraded the procedure to the standards outlined in SO123-XV-109.</p> <p>Change 2 Changed "CDM-SONGS" to "Records Management".</p> <p>Change 3 Section 6.1.1 and Section 10.1.3.9 - Deleted reference to obsolete procedure, SO123-XXI-12.1 ISS2.</p> <p>Change 4 Reworded step 2.1 for clarity purposes.</p> <p>Change 5 Deleted reference to ERO performance in step 3.1.1 as the "overall ERO performance" is not part of this training program description.</p> <p>Change 6 Deleted step 3.2.4 for EP Performance Indicator Assessments of Licensed Operator Requalification (LOR). This requirement is not needed due to decommissioning.</p> <p>Change 7 Deleted WBT, and replaced with Alternative Methods of Training in steps 3.4.3 and 3.5.3.</p> <p>Change 8 Deleted the word Drills from step 3.4.5.</p> <p>Change 9 Deleted step 3.5.4 as the EPTAC no longer exists.</p> <p>Change 10 Deleted "Nuclear Training Division Operations" (NTD OPS) in step 3.6, 3.6.1 and 3.6.2, and replaced it with a new section 3.6 titled "Nuclear Training Division Engineering" (NTD ENG).</p> <p>Change 11 Deleted "Continuing Training" step 3.6 as this no longer applies.</p> <p>Change 12 Deleted "determined from this procedure." and replaced with "found in Attachment 2." in step 5.1.3 for clarity.</p> <p>Change 13 Revise step 6.4.3.2 to clarify 50.54(q) training qualifications.</p>	<p>Changes made to the Emergency Plan Training Program are a result of the Emergency Plan Implementing Procedures upgrade project and Southern California Edison's decision to decommission Units 2/3. The changes align with the optimized ERO structure to support SONGS decommissioning efforts. Existing regulation for a defueled station states that training programs follow a systematic approach to training. The changes to the training program description continue to utilize a systematic approach to training. These changes do not reduce the effectiveness of the SONGS Emergency Plan, or preclude ERO members from completing their assigned functions timely and accurately.</p> <p>A 10CFR 50.54(q) analysis was conducted to ensure there was not a reduction in the effectiveness of the Emergency Plan as a result of the changes made to this procedure. (NN 20244253 task 32).</p>

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Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-XXI-1.11.3, Revision 29 Title: Emergency Plan Training Program Description SONGS Nuclear Notification (NN): 202484253-32	
Section and Change Description	Analysis Summary
<p>Change 14 Section 6.4.3.2.1, 6.4.3.2.2 and 6.4.3.2.3 - Deleted the requirements to maintain a prescribed quantity of qualified 50.54(q) qualified individuals. The reduced work force does not support this effort.</p> <p>Change 15 Reworded step 6.6.1.1 by removing Training Operations Instructor reference. Emergency Planning staff will maintain the overall control of Drill activities.</p> <p>Change 16 Section 6.6.2.1 - The requirement to have an Operations Training Lead instructor maintain control of and direct simulator functions during EP assessment activities was deleted based on SONGS decommissioning and staff reductions.</p> <p>Change 17 Acronyms/definitions - Deleted step 9.6 referencing RCS. Deleted step 9.10 referencing WBT.</p> <p>Change 18 Deleted step 10.2.4.1 referencing Nuclear Training Procedure. The Procedure no longer exists.</p> <p>Change 19 Rewrote section "a" to eliminate WBT, NTD, classroom training, etc. Replaced with Self-Study Guides, assessments, discussion, etc.</p> <p>Change 20 Deleted the previous revision Rev. 28 "B" Training and Advisory Committee (TAC) Meetings as they no longer meet. Revision 29 of this procedure has a new "B" titled Training Requirements.</p> <p>Change 21 Rewrote section "b" paragraph by removing INPO Training Guidelines reference. In a decommissioned status SONGS has adjusted its training requirements.</p> <p>Change 22 Rewrote section "c" second paragraph by removing ERO position and retraining reference.</p> <p>Change 23 Rewrote section "d" paragraph by removing CFDM 1410 Supervisor, Web based, and training coordinator references.</p>	

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-XXI-1.11.3, Revision 29 Title: Emergency Plan Training Program Description SONGS Nuclear Notification (NN): 202484253-32	
Section and Change Description	Analysis Summary
<p>Change 24 Rewrote section "e" by eliminating web based, ERO, and orientation training reference.</p> <p>Change 25 Deleted last sentence in second paragraph section "f" referencing NRC/DEP.</p> <p>Change 26 Deleted last sentence in section "g" referencing Continuing Training. Changed annual to bi-annual.</p> <p>Change 27 Rewrote section "i" paragraph by removing Required Reading reference.</p> <p>Change 28 Rewrote first paragraph in section "m" by removing WBT - NTD, and written test reference. Added "Upon failure of their first assessment, students should self-remediate" for added clarification. Deleted last paragraph</p> <p>Change 29 Rewrote paragraph in section "n" by removing GET, CFDM, Training exemption, and procedure references.</p> <p>Change 30 Deleted section "p" from the previous revision Rev. 28. EP TAC has been eliminated therefore this section does not apply.</p> <p>Change 31 Deleted the word "classroom" in section "p".</p> <p>Change 32 Deleted WBT modules reference in section "r".</p> <p>Change 33 Revised Attachment 2, Emergency Plan Training Program Curriculum, by deleting training program curriculum that is no longer site required. QWTs were changed to reflect the merging of Technical Leader and Assessor duties. Added matrix qualification ENCSPT to JIC Director. Changed annual to bi-annual.</p> <p>Change 34 Added section to table for Self-Study Guide and moved EPTENR and EPTEAL from Unit of Instruction Description to Self-Study Guide. Changed Cycle Multiplier from C1 to B.</p>	

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Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-XXI-1.11.3, Revision 29
Title: Emergency Plan Training Program Description
SONGS Nuclear Notification (NN): 202484253-32

Section and Change Description	Analysis Summary
Change 35 Changed heading from "Web Base Training" to Discussions.	
Change 36 Deleted the 1 after the L. The 1 is not necessary.	
Change 37 Deleted NTD from Program Owner column. Deleted T from EPT. NTD and EPT is being eliminated.	
Change 38 Moved Encode EPTB5B from WEB Base Training to Unit of Instruction Description and change Cycle multiplier from A1 to C2.	
Change 39 Delete Encodes 710MSA, 710SED, 710SED, 710EGL and ENC0N1.	
Change 40 Added ERP Code L7, RP Supervisor, Lead and Advisor.	

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Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.

10 CFR 50, Appendix E, Section V

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ATTN: Document Control Desk
Washington, D.C. 20555-0001

**Subject: Docket Nos. 50-206, 50-361, 50-362, and 72-41
Revision to Emergency Plan Implementing Procedure
San Onofre Nuclear Generating Station (SONGS), Units 1, 2, 3, and
the Independent Spent Fuel Storage Installation**

Dear Sir or Madam:

Pursuant to 10 CFR 50, Appendix E, Section V, Attachment 1 of this letter provides a copy of the following revised Emergency Plan Implementing Procedure:

<u>Procedure</u>	<u>Rev</u>	<u>Effective Date</u>
SO123-VIII-0.301, Emergency Telecommunications Testing	17	10/02/2014

Attachment 2 of this letter provides an updated index listing titles, revisions, and editorial corrections (ECs) of the SONGS Emergency Plan Implementing Procedures, as of October 23, 2014. A bar in the right margin indicates items changed since our previous submittal.

Attachment 3 lists the current Emergency Plan Manuals, Orders, and Training Procedures that are referenced in the Emergency Plan. There have been no changes to this index since our previous submittal.

Attachment 4 provides the report and analysis summary of the Emergency Plan Implementing Procedure changes.

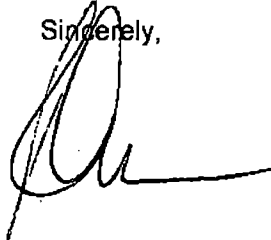
AK45
NMSS26

October 30, 2014

There are no commitments contained in this letter or its attachments.

If you have any questions, please contact Ms. Kelli A. Gallion, Emergency Planning Manager, at (949) 368-7756.

Sincerely,

A handwritten signature in black ink, appearing to be 'K. Gallion', written over the word 'Sincerely,'.

Attachments: 1. Revised Emergency Plan Implementing Procedure
2. SONGS Emergency Plan Implementing Procedures (EPIPs) Index
3. SONGS Emergency Plan Referenced Manuals, Orders, and Training Procedures Index
4. Reports and Analysis Summaries of SONGS Emergency Plan Implementing Procedures Changes.

cc: Emergency Response Coordinator, NRC Region IV (2 copies of Attachment 1)
M. Dapas, Regional Administrator, NRC Region IV
J. E. Whitten, NRC Region IV, Nuclear Material Safety Branch Chief
T. J. Wengert, NRC Project Manager, SONGS Units 2 and 3
M. Vaaler, NRC Project Manager, San Onofre Unit 1
W. C. Allen, NRC Project Manager, San Onofre ISFSI
G. G. Warnick, NRC Senior Resident Inspector, SONGS Units 2 and 3

Attachment 1

Revised Emergency Plan Implementing Procedure

SO123-VIII-0.301, Revision 17, Emergency Telecommunications Testing, Revision 17

	EMERGENCY TELECOMMUNICATIONS TESTING	SO123-VIII-0.301 REV: 17
		Page 1 of 28

Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure. Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document. 	TOC and SOC
Reference Use	<ul style="list-style-type: none"> Review and understand the procedure before performing any steps, including the prerequisite section. Have a copy or applicable pages/sections open at the work site. Use Placekeeping method according to SO123-XV-HU-3. If any portion of the document is performed from memory, do so in the sequence specified. Perform each step as written, except when an approved process specifically allows deviation. Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements. Review the document at the completion of the task to verify that all appropriate steps are performed and documented. 	All except TOC and SOC

Color Usage	Location
This Document Does Not Contain Relevant Color	N/A

QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / 50.54(q) APPLIES

Procedure Type
EPIP

Procedure Owner
Kelli Gallion

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1.0 **PURPOSE AND SCOPE**

- 1.1 Test San Onofre Nuclear Generating Station (SONGS) emergency communications equipment for State, Local, and Federal authorities, and to test telecommunication equipment within Emergency Response Facilities (ERFs) in accordance with Reference 8.1.1.2.
- 1.2 Identify, report, and track communications equipment malfunctions in accordance with References 8.1.1.1, 8.1.1.2, 8.1.1.3, and 8.1.2.1.

2.0 **RESPONSIBILITIES**

- 2.1 Emergency Planning (EP) is responsible for test scheduling, assignment of test personnel, and completion of required attachments.
- 2.2 EP shall publish test schedules at least one month in advance to allow for notification to offsite agencies of Yellow Phone System (YPS) test dates.

REFERENCE USE

3.0 DEFINITIONS/ACRONYMS

3.1	<u>AEOF</u>	Alternate Emergency Operations Facility
3.2	<u>Cal OES</u>	California Office of Emergency Services
3.3	<u>EOC</u>	Emergency Operations Center
3.4	<u>EOF</u>	Emergency Operations Facility
3.5	<u>ERTD</u>	Emergency Response Telephone Directory
3.6	<u>ERF</u>	Emergency Response Facility
3.7	<u>HPC</u>	Health Physics Coordination
3.8	<u>IOC</u>	Irvine Operation Center
3.9	<u>NN</u>	Nuclear Notification
3.10	<u>OCOA</u>	Orange County Operation Area
3.11	<u>PERT</u>	Plant Emergency Response Telephone
3.12	<u>TCC</u>	Telecom Control Center
3.13	<u>TIC</u>	Technical Information Circuit
3.14	<u>TSC</u>	Technical Support Center
3.15	<u>UBT</u>	USMC Base Telephone
3.16	<u>YPS</u>	Yellow Phone System

REFERENCE USE

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4.0 **PRECAUTIONS AND LIMITATIONS**

4.1 **Precautions**

- 4.1.1 Ensure offsite/onsite personnel contacted during a test understand a test is being conducted, and NO emergency exists.

4.2 **Limitations**

- 4.2.1 Notification to the NRC may be required within ONE HOUR for a loss of communications capability in accordance with Reference 8.1.2.1.

5.0 **PREREQUISITES**

- 5.1 **VERIFY** this document is current by using one of the methods described in SO123-XV-HU-3.
- 5.2 **VERIFY** Level of Use requirements on the first page of this procedure.

REFERENCE USE

6.0 **PROCEDURE**

NOTE

Equipment testing of one system/section does not have to be completed before commencing testing equipment in another system/section.

6.1 **Offsite/Onsite Communications Tests**

- 6.1.1 Emergency Planning (EP) is responsible for test scheduling, assignment of test personnel, and completion of required attachments.
- 6.1.2 EP shall publish test schedules at least one month in advance to allow for notification of offsite agencies of Yellow Phone System (YPS) test dates.
 - 6.1.2.1 Attachments 1 and 2 shall be completed according to this table, or as directed by EP, to maintain compliance with References 8.1.1.1, 8.1.1.2, and 8.1.1.3.
 - 6.1.2.2 Testing can be performed by EP personnel or designees.

ATTACHMENT	EQUIPMENT	FREQUENCY
1	Red Phone Green Phone NRC-CPL Phone Blue Phone	Monthly
1	Orange Phone Black Phone	Monthly
1	ERF Radio Consoles and Clock Synchronization	Monthly
1	Yellow Phone	Monthly
2	ERF Equipment	Quarterly
2	Beige Phone Brown Phone	Quarterly
2	Ivory Phone	Quarterly
2	EVSD/EPPM PAX Phone	Quarterly
2	Cellular Phones	Quarterly
2	Satellite Phones	Quarterly

- 6.1.3 Partially completed attachments shall be forwarded to EP.
- 6.1.4 Submit completed attachments per Step 7.1.

REFERENCE USE

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6.2 Identified Problems

- 6.2.1 Record Trouble Tickets for equipment problems identified during the surveillance as follows:
 - 6.2.1.1 Person completing equipment test shall obtain Trouble Ticket numbers from Telecommunications Control Center (TCC), and record numbers on attachment.
- 6.2.2 Initiate a Nuclear Notification (NN) for equipment problems identified during the surveillance.
- 6.2.3 Retests are required for Red, Green, Blue, and Yellow Phones when Acceptance Criterion specified in Attachment 1, Section 6.0 is not met.
 - 6.2.3.1 Repeat problems shall be brought directly to Telecommunications for evaluation and resolution.
 - 6.2.3.2 Retest results shall be documented in Attachment 1, Section 8.0 during the current month's test.

6.3 Modification of Telecommunications Equipment

- 6.3.1 Modification to equipment within the Control Room and Evacuation Shut Down Panel is the responsibility of the Operations Department.
- 6.3.2 Modification of EP telecommunications equipment within the Technical Support Center (TSC), Operations Support Center (OSC), Emergency Operations Facility (EOF), and Alternate EOF (AEOF) is the responsibility of EP.
- 6.3.3 Modification of equipment within the Joint Information Center (JIC) is the responsibility of EP.
- 6.3.4 Responsible departments should prepare and submit an NN to initiate modifications.

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7.0 RETENTION OF RECORDS

- 7.1 Completed attachments shall be sent to Records Management-SONGS using Form AD(123) 17 on a quarterly basis within one month of the end of the calendar quarter.
- 7.2 A copy of the AD(123) 17, "CDM Documentation Control Data Transmittal" and all Attachments shall be retained for a period of one year by EP.

8.0 REFERENCES / COMMITMENTS

8.1 Implementing Reference

8.1.1 NRC Commitments

- 8.1.1.1 NUREG-0654/FEMA-REP 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- 8.1.1.2 10 CFR 50 "Code of Federal Regulations", Appendix E, Section IV.E.9.a-d
- 8.1.1.3 SONGS Emergency Plan, Section 8.5
- 8.1.1.4 NN 201507835, NRC Safety Evaluation Report, dated July 26, 2007

8.1.2 Procedures

- 8.1.2.1 SO123-0-A7, Notification and Reporting of Significant Events
- 8.1.2.2 SO123-XV-HU-3, Written Instruction Use and Adherence

8.1.3 Other

- 8.1.3.1 Form AD(123) 17, CDM Documentation Control Data Transmittal
- 8.1.3.2 Emergency Response Telephone Directory (ERTD)
- 8.1.3.3 EP(123) 11, Verbal Notification Form

REFERENCE USE

8.2 Developmental References

8.2.1 Commitments

8.2.1.1 NRC IE Information Notice No. 86-97: Emergency Communication System

8.2.2 Corrective Actions to Prevent Recurrence (CAPR)

8.2.2.1 None

8.2.3 Procedures

8.2.3.1 None

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Monthly Surveillance

Attachment 1

- 1.0 FEDERAL, STATE & USMC DEDICATED TELEPHONE CIRCUITS (Red, Green, NRC-CPL, Blue, Black & Orange)
- 1.1 Emergency Notifications System - ENS (Red Phone).
- 1.1.1 Dial NRC Operations Center (301.816.5100 or 301.415.0550) from one Unit 2/3 ENS and one EOF ENS Phone listed on the tables below.
- 1.1.1.1 Indicate to the NRC the call is a monthly test of the SONGS ENS Phone. Identify your ENS telephone number and request a return phone call. Initial table for extension tested.
- 1.1.1.2 Test remaining ENS Phone extensions listed below by dialing out to a nearby PAX phone using outside "dial direct" number (e.g., 1.949.368.####). Initial table for ENS extension tested.

UNIT 2/3	NUMBER	INITIALS	EOF	NUMBER	INITIALS
NRC Management (TSC)	700.791.0615		NRC Management	700.791.7123	
Phone Talker (TSC)	700.791.0615		Phone Talker	700.791.7123	
Control Room	700.791.0615				

- 1.1.2 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued and reportability has been considered in accordance with Sections 6.0 and 7.0.

Initials/Date of Completion

- 1.2 Health Physics Network - HPN (Green Phone).

- 1.2.1 For HPN phones listed below, dial a nearby PAX phone using an outside "dial direct" number (e.g., 1.949.368.####). Initial tables for HPN extensions tested.

UNIT 2/3	NUMBER	INITIALS	EOF	NUMBER	INITIALS
NRC Management (TSC)	700.791.1079		NRC Management	700.791.7124	
RP Leader (TSC)	700.791.1079		Phone Talker	700.791.7124	

- 1.2.2 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued and reportability has been considered in accordance with Sections 6.0 and 7.0.

Initials/Date of Completion

1.3 Federal Telephone System - FTS (NRC Counterpart Link Phone)

1.3.1 For FTS phones listed below, dial a nearby PAX phone using an outside "dial direct" number (e.g., 1.949.368.####). Initial tables for FTS extensions tested.

UNIT 2/3	NUMBER	INITIALS	EOF	NUMBER	INITIALS
PMCL HP Data (TSC)	700.791.2794		PMCL HP Data	700.791.0220	
RSCL RX Data (TSC)	700.791.2749		RSCL RX Data	700.791.7122	
			MCL NRC Area	700.791.2375	
			LAN NRC Data	700.791.2377	

PMCL Protective Measures Counterpart Link

LAN = Local Area Network

RSCL = Reactor Safety Counterpart Link

MCL = Management Counterpart Link

1.3.2 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued and reportability has been considered in accordance with Sections 6.0 and 7.0.

Initials/Date of Completion

1.4 California Office of Emergency Services - Cal OES (Blue Phone)

1.4.1 For phone locations listed below, initiate a call to Cal OES by picking up the handset for an automatic ring down.


1.4.1.1 If there is no response, then use an outside line to call Cal OES (916.262.1621) to discuss the lack of response.

1.4.2 Indicate to Cal OES the call is a monthly test of the SONGS Cal OES Phone. Initial below for each Cal OES extension tested.

LOCATION	INITIALS
EOF	
TSC	
Control Room	

1.4.3 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued and reportability has been evaluated in accordance with Sections 6.0 and 7.0.

Initials/Date of Completion

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1.5 USMC Base Telephone - UBT (Black Phone)

1.5.1 For UBT Phones listed on the below table dial the following:

1.5.1.1 "991 949 36" + any available PAX number.

UNIT 2/3	INITIALS	EOF	INITIALS
UBT Phone (TSC)		UBT Phone	
UBT Phone (Control Room)			

1.5.2 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued in accordance with Section 7.0.

Initials/Date of Completion

1.6 USMC Base Fire Hotline - UBFH (Orange Phone)

1.6.1 Pick up handset to initiate auto ring-down. Indicate to USMC "911" Emergency Dispatch Center this is a test of the Orange Phone.

1.6.2 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued in accordance with Section 7.0.

Initials/Date of Completion

2.0 EMERGENCY RESPONSE FACILITIES RADIO CONSOLES

2.1 Verify 800 MHz radio console communications.

2.1.1 For radio consoles, log on by using the password "guest".

2.1.2 For Radio Locations listed in the table below, contact Participating Station via Contact Number to inform Radio Operator that SONGS will be conducting a monthly test of the radio.

2.1.3 Transmit to Participating Station via radio and indicate transmission is a monthly test of the radio. Initial table for Radio Locations tested.

RADIO LOCATION	PARTICIPATING STATION	CONTACT NUMBER	INITIALS
EOF Console	EP B Fire	PAX 86655	
OSC Console	Camp Pendleton Fire	760.725.4321	
TSC Console	CA State Parks - San Onofre Dispatch	951.443.2964	
TSC (black desk set)	EP B Fire	PAX 86655	

2.1.4 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued in accordance with Section 7.0.

Initials/Date of Completion

2.2 Verify EOF Orange County Operation Area (OEOA) radio console communications.

NOTE

Orange County Emergency Operations Center (EOC) schedules and executes test of OEOA radio channel.

2.2.1 Verify schedule for OEOA radio console test with OEP or EOC personnel. Contact EOC via test contact number for YPS Station #28 below in Section 4.0 of this EPIP.

2.2.2 Prior to test, verify radio console is connected and volume is sufficient by listening to any ongoing radio transmissions.

2.2.3 EOC will contact each station. Using hand set PTT function, acknowledge when SONGS (or San Onofre) station is requested to do so.

2.2.4 Acceptance Criteria in Step 5.1 has been met or Trouble Ticket and NN have been issued in accordance with Section 7.0.

Initials/Date of Completion

3.0 EMERGENCY RESPONSE FACILITY CLOCK SYNCHRONIZATION

3.1 Verify ERF clocks are within 60 seconds of the Official U.S. Time.

3.1.1 Set a test watch to the Pacific Time Zone at <http://www.time.gov>.
(JAVA animation may need to be disabled.)

3.1.2 Compare test watch time to clocks in the table below.

OPERATIONS Clock Locations	INITIALS	ERF Clock Locations	INITIALS
Unit 2 Control Room Wall Clock		TSC Wall Clock	
Unit 3 Control Room Wall Clock		OSC Wall Clock	
		EOF Wall Clock	

3.1.2.1 If there is a time difference of plus or minus 60 seconds for Operations Clock Locations, notify Control Room and document notification in Section 8.0.

3.1.2.2 If there is a time difference of plus or minus 60 seconds for ERF Clock Locations, issue Trouble Ticket and NN in accordance with Section 7.0.

3.1.3 All clocks are within 60 seconds of the Official U.S. time or actions have been taken as directed above.

Initials/Date of Completion

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NOTE

Test shall be performed at a different master location each month to allow testing of all master locations through the year.

4.0 INTERAGENCY TELEPHONE (IAT)/YELLOW PHONE

4.1 Approximately two days prior to scheduled test date, perform Steps 4.1.1 thru 4.1.4.

4.1.1 Obtain copies of "Yellow Phone Monthly Test" page located in this attachment and "Yellow Phone Stations and Alternate Numbers" page located in Emergency Response Telephone Directory (ERTD).

4.1.2 Contact the required stations listed on "Yellow Phone Monthly Test" page.

4.1.2.1 Check each station's telephone and FAX numbers listed on ERTD page and remind each station of time and date of upcoming monthly test.

4.1.2.2 Document ERTD numbers are correct on "Yellow Phone Monthly Test" page.

4.1.3 Notify EP Manager if stations could not be contacted.

4.1.4 Document telephone and FAX number changes in Section 8.0.

4.2 Prepare a message prior to start of test.


4.2.1 Initiate monthly YPS test from either SCE Station 35 or 37 or 38. Proper operation of Stations 35, 37, and 38 is checked during drills and as initiating stations during monthly YPS testing, no other testing of optional test stations is required.

4.2.2 Open "PDF for YPS Test" on laptop.

4.2.3 Print (will print 1 page test document on Fax Machine).

4.2.4 Insert Test Page into top tray on Fax Machine, face up, top first.

4.2.5 Open cover on left marked "Copy - Fax - Scan".


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- 4.2.6 Press the "Batch Transmit" button (macro M2 key) to transmit message approximately five minutes prior to scheduled time.

NOTE

Several seconds will pass before paper is pulled into machine. The screen shows the macro running.

- 4.2.7 Press "Start".
- 4.3 Initiate Yellow Phone ALL CALL 91 code at scheduled time.
- 4.3.1 Read the following message:
- "This is San Onofre Nuclear Generating Station."
- "We are conducting a test of the Yellow Phone System."
- "Please remain on the line while I complete a roll call of the participating stations."
- "When I announce your station number and agency name, respond with your last name, and verify printed message receipt."
- 4.3.2 Record last name of each contact on "Yellow Phone Monthly Test" page, for required stations.
- 4.3.2.1 Circle "Y" or "N" to verify printed message receipt.
- 4.3.3 Read the following message:
- "The All-Call circuit test is complete. Please hang up and wait for an individual Yellow Phone test call."

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- 4.4 Perform individual YPS test by contacting required stations listed on "Yellow Phone Monthly Test" page as follows:
- 4.4.1 Press the two digit number.
 - 4.4.2 Verify their YPS station rang, the phone light turned on, and two-way communication is clear and audible.
 - 4.4.3 Read the following message:

"The SONGS monthly Yellow Phone test is complete for your station. After this call, please ensure your phone volume is set at the midpoint position. Thank you."
 - 4.4.4 Press "A#" on the Yellow Phone to clear all alert lights on the system.
- 4.5 Re-contact non-responding Stations via ERTD Alternate telephone number.

NOTES

1. Do not report offsite jurisdiction unanswered phones to the Telecom Control Center (TCC) Repair Desk until the Alternate number contact has verified something is wrong with the circuit.
2. Unanswered stations, MAY NOT be exempted from meeting the acceptance criteria established in Step 5.2, unless directed otherwise by EP. Continue using alternate number until contact is made, and an individual station test is performed.

- 4.5.1 Request individual perform a test of their Yellow Phone Station for SONGS monthly test. Complete Step 4.4 only.
- 4.5.2 If alternate number contact cannot be established, notify EP for assistance in making contact with offsite jurisdiction.

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Attachment 1

YELLOW PHONE TEST

Test Performed from Station: 35 37 38

Date: _____

REQUIRED TEST STATIONS

Station Number	Yellow Phone Station Name	Test Contact Number	ERTD Numbers Correct		Test Participants Last Name	Printed Message Received	
22	USMC Command Duty Officer	760-725-6283	Y	N		Y	N
23	USMC Command Center	760-725-6283	Y	N		Y	N
24	State Park EOC (District)	949-492-0802	Y	N		Y	N
25	San Clemente EOC	949-361-6109	Y	N		Y	N
26	San Juan Capistrano City Hall	949-234-4565	Y	N		Y	N
27	Orange County Comm Center	714-628-7008	Y	N		Y	N
28	Orange County Comm EOC	714-628-7052	Y	N		Y	N
29	State Park Dispatch	951-943-1582	Y	N		Y	N
32	San Diego CHP Comm	858-637-3853	Y	N		Y	N
34	Dana Point EOC	949-248-3535	Y	N		Y	N
42	Edison Generation Operations Center at GO1	626-302-3289 PAX 23289	Y	N		Y	N
46	San Diego County EOC	858-565-3490 (D) 858-565-5255	Y	N		Y	N

OPTIONAL TEST STATIONS

Station Number	Yellow Phone Station Name	Test Contact Number	Test Participants Last Name	Printed Message Received	
35	EOF SONGS	88845		Y	N
37	Technical Support Center	86413		Y	N
38	Control Room 2/3	86413		Y	N
43	Alternate EOF (IOC, Irvine)	7-57534		Y	N

Monthly Surveillance

Attachment 1

- | | | |
|-------|--|------------------------------------|
| 4.6 | A satisfactory test is when all tested stations meet Acceptance Criteria in Step 5.2. | <u>SAT / UNSAT</u>
(Circle One) |
| 4.7 | <u>If test was UNSAT, then</u> ensure reportability has been evaluated in accordance with Section 6.0. | |
| 4.7.1 | Trouble Ticket(s) have been issued in accordance with Section 7.0. | |

SAT / UNSAT
(Circle One)

Initials/Date of Completion

- 5.0 ACCEPTANCE CRITERIA
- 5.1 Communications are clear and audible.
- 5.2 Yellow Phone stations listed in form EP(123) 11 were successfully contacted by either receiving printed message or by clear and audible Yellow Phone communication.

6.0 REPORTABILITY REVIEW


- 6.1 If phone test is unsatisfactory request Units 2/3 Shift Manager (SM) to review and evaluate SO123-0-A7 for reportability. Document specific equipment and SM's comments in Section 8.0, otherwise mark "N/A".

SM Name

7.0 TROUBLE TICKET TRACKING

- 7.1 If equipment problems are encountered, notify TCC at PAX 51200 to initiate repairs. In addition, initiate an NN. Record Trouble Ticket and NN Number(s) in this table, otherwise mark "N/A".

[illegible]

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8.0 PERFORM, VERIFY, AND APPROVE.

8.1 Use this section to record any additional test information.

COMMENTS: _____

8.2 Review this attachment for proper documentation and completeness.

8.3 Sign and forward to the Manager, EP.

Data **REVIEWED BY:** _____ **DATE** _____
 (Emergency Planning Staff or designee)

8.4 Either acceptance criteria stated in Section 5.0 have been met or required notifications per Sections 6.0 have been completed.

Test **APPROVED BY:** _____ **DATE** _____
 (Manager, EP)

1.0 TSC/OSC/EOF/AEOF/SITE ASSEMBLY AREA COMMUNICATIONS EQUIPMENT

1.1 Facsimile Machines

1.1.1 For backup YPS FAX machines listed in the table below, perform the following:

1.1.1.1 Verify Power is "ON".

1.1.1.2 Check for correct time and date.

1.1.1.3 Check paper supply and add paper when supply is low.

1.1.1.4 Print speed dial list to check for proper operation and clear image generation.

1.1.1.5 Verify speed dial list of stored FAX numbers by using the ERTD or contacting the specific agency.

LOCATION	INITIALS	LOCATION	INITIALS
EOF		TSC	

1.1.2 Acceptance Criteria in Step 2.1 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.2 800 MHz Hand-held Radios

1.2.1 Test each OSC E-Kit hand-held radio as follows:

1.2.1.1 Turn Test Radio power "ON" and select test channel **EP-A**.

1.2.1.2 Verify Control Radio is "ON" and set to channel **EP-A**.

1.2.1.3 Press talk button on Test Radio. Test Radio should emit a quick double chirp sound.

1.2.1.4 Test transmission and receiving of Test Radio with Control Radio.

1.2.1.5 Turn radios off and return radios to charger.

1.2.2 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.3 Public Address (PA) Systems

1.3.1 For PA systems listed in table below, test PA system operability by transmitting an audio test message.

LOCATION	INITIALS	LOCATION	INITIALS
OSC		EOF	

1.3.2 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.4 Satellite Television Service

1.4.1 Verify satellite television reception of CNN or MSNBC on E-50 television.

1.4.2 Acceptance Criteria in Step 2.1 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.5 Health Physics Coordination - HPC (Beige Phone)

1.5.1 Coordinate with assisting person(s) until all HPC Phone stations are tested.

1.5.2 From HPC phone locations listed below, perform the following:

1.5.2.1 Initiate a call by picking up handset for an automatic ring down to establish communications and request a return phone call.

1.5.2.2 Initial for HPC phone locations tested.

LOCATION	INITIALS
TSC	
EOF	
AEOF	

1.5.1 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

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1.6 Technical Information Circuit - TIC (Brown Phone)

1.6.1 Coordinate with assisting person(s) until all TIC Phone stations are tested.

1.6.2 From TIC phone locations listed below, perform the following:

1.6.2.1 Initiate a call to each phone by picking up handset for an automatic ring down to establish communications and request a return phone call.

1.6.2.2 Initial for TIC phone locations tested.

LOCATION	INITIALS	LOCATION	INITIALS
TSC #1		EOF #1	
TSC #2		EOF #2	
		AEOF	

1.6.3 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.7 Plant Emergency Response Telephone - PERT (Ivory Phone)

1.7.1 Coordinate with assisting person(s) until all PERT Phone stations are tested.

1.7.2 From a PERT phone listed below, perform the following:

1.7.2.1 Dial another PERT phone to establish communications and request a return phone call.

1.7.2.2 Initial for PERT Phone stations tested.

Station #	UNIT 2/3 LOCATIONS	INITIALS	Station #	EOF LOCATIONS	INITIALS
31	TSC Emerg. Advisor Ops		41	Management	
32	TSC Technical Team		42	Technical Team	
33	TSC Status Board Keeper		43	Status Board Keeper	
34	Ops Support Ctr 70'			OFFSITE LOCATIONS	
35	Ops Leader, C/R		25	Alt EOF (Irvine IOC)	
36	Evacuation Shutdown Panel				

1.7.3 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.8 EVSD/EPPM Dedicated PAX Circuit Phones

1.8.1 Coordinate with assisting person(s) until listed PAX phones are tested.

1.8.2 From a PAX phone listed below, perform the following:

1.8.2.1 Dial a PAX phone to establish communications and request a return phone call.

1.8.2.2 Initial for PAX phones tested.

PAX NUMBER	LOCATION	INITIALS
86286	EVSD - 50' switchgear room across from elevator	
86459	EPPM - Unit 2 45' Penetration Room	
81002	EPPM - Unit 3 45' Penetration Room	

EVSD = Evacuation Shut-down Panel

EPPM = Essential Plant Parameters Monitoring Panel

1.8.3 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

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1.9 Cellular Phones

1.9.1 Test each Cellular phone listed below by performing the following:
[NN 201507385]

1.9.1.1 Use a cell phone and dial a PAX phone using an outside "dial direct" number (e.g., 949.368.####) to establish communications.

1.9.1.2 Use a PAX phone and dial the cell phone to establish communications.

CELL NUMBER	LOCATION	INITIALS
(b)(6)	OSC Field Team	
	OSC Field Team	
	Alternate OSC Field Team (EOF Medical Room)	
	Alternate OSC Field Team (EOF Medical Room)	
	EOF Field Team	
	EOF Field Team	
	Alt EOF Field Team	
	Alt EOF Field Team	
	Alt EOF Field Team	

1.9.2 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion

1.10 Satellite Phones

1.10.1 Test each Satellite phone listed below by performing the following:
[NN 201507385]

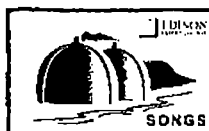
1.10.1.1 Use a satellite phone and call another satellite phone (dial 00+12 digit satellite phone number).

1.10.1.2 Request a call back to the initiating satellite phone.

SATELLITE NUMBER	LOCATION	INITIALS
8816 2144-4670	Alternate EOF	
8816 2144-4671	EOF	
8816 2144-4677	EOF Field Team	
8816 2144-4674	OSC	
8816 2144-4672	OSC Field Team	
8816 2144-4660	TSC	
8816 2144-4676	North Staging Area	
8816 2144-4673	South Staging Area	
8816 2144-4669	EOF	
8816 2144-4665	OSC	
8816 2144-4666	JIC	
8816 2144-4667	TSC	
8816 2144-4668	EOF	

1.10.2 Acceptance Criteria in Step 2.2 has been met or Trouble Ticket and NN have been issued in accordance with Section 3.0.

Initials/Date of Completion



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Attachment 2

2.0 ACCEPTANCE CRITERIA

- 2.1 Communications equipment functioned as expected.
- 2.2 Phone/Radio/PA communications are clear and audible.

3.0 TROUBLE TICKET TRACKING

- 3.1 If equipment problems are encountered, notify TCC at PAX 51200 to initiate repairs. In addition, initiate an NN. Record Trouble Ticket and NN Number(s) below. Notify EP via email, otherwise mark "N/A."

Ticket #	TCC Contact	Equip	Location	Brief Description of Problem	NN #

4.0 PERFORM, VERIFY, AND APPROVE

- 4.1 Use this section to record any additional test information.

COMMENTS: _____

- 4.2 Review this attachment for proper documentation and completeness.

- 4.3 Sign and forward to Manager, EP.

Data REVIEWED BY: _____ DATE _____
(Emergency Planning Staff or designee)

- 4.4 Either acceptance criteria stated in Section 2.0 have been met or Section 3.0 has been completed.

Test APPROVED BY: _____ DATE _____
(Manager, EP)

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Summary of Changes	Attachment 3
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Notification tracking 10 CFR 50.54(q): 202499991

Author: Karina Vergara/Lucia Sischo

NN, Order, or Other Action	Description of Change	Reviewer	Step, Section, Attachment or Page
NN 200807629	Upgrade the procedure to the standards outlined in SO123-XV-109	Alvarado Sischo Seward	All
Organizational Changes	Update OEP to EP and reworded instructions accordingly		Step 6.1.2 and 6.3.3; and Att 1 Step 4.5.2
NN 200807629	Add acronyms		Section 3.0
Organizational Changes	Change to reflect changes in the organization for decommissioning		Step 7.1
NN 202438710	Provide additional detail to support completion by designee personnel		Throughout
NN 202499991	Add additional satellite phones to the quarterly surveillance program, change phone numbers, and add item to Section 6		Att 2 Step 1.10.1.2, Step 6.1.2.2
NN 202712775	Remove Ivory Phone Station 38 from K30 checks; Phone is no longer in service (TT 202659939)		Att 1 Step 4.2.1; and Att 2 Step 1.7.2.1
Organizational Changes	Update procedure owner name		Cover Page
NN 202608283	Remove check of PA for K-50		Att 2 Section 1.3
Betterment	Include additional cell phone numbers		Att 2 Step 1.9.1.2
Betterment	Change Cal EMA to Cal OES		Att 1 Section 1.4
Betterment	Remove step since Orange Phone is plug to phone jack		Att 1 Step 1.6.1
Betterment	Remove Simulator wall clock as test time check.		Att 1 Step 3.1.2
Betterment	Update test contact phone number for Station 28		Att 1 page 18
Organizational Changes	Remove STA reportability review; add SM to perform this task		Att 1 Step 6.1
Organizational Changes	Update HP to RP Remove reference to NTD regarding time difference on Ops clocks.		Att 1 Step 1.2 Att 1 Step 3.1.2.1

Attachment 2

SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-0.100	18	EC 1	MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS
SO123-VIII-0.101	0		EMERGENCY RESPONSE EQUIPMENT MANAGEMENT
SO123-VIII-0.200	18		EMERGENCY PLAN DRILLS AND EXERCISES
SO123-VIII-0.201	28		EMERGENCY PLAN EQUIPMENT SURVEILLANCE PROGRAM (EPESP)
SO123-VIII-0.202	12		ASSIGNMENT OF EMERGENCY RESPONSE PERSONNEL
SO123-VIII-0.301	17		EMERGENCY TELECOMMUNICATIONS TESTING
SO123-VIII-0.302	8		ONSITE EMERGENCY SIREN SYSTEM TEST
SO123-VIII-0.303	5		PERIMETER PUBLIC ADDRESS SYSTEM (PPAS) ROUTINE TEST
SO123-VIII-1	37		RECOGNITION AND CLASSIFICATION OF EMERGENCIES
SO123-VIII-10	32	1	EMERGENCY COORDINATOR DUTIES
SO123-VIII-10.3	16		PROTECTIVE ACTION RECOMMENDATIONS
SO123-VIII-10.5	5		EVENT CLOSE OUT AND RECOVERY
SO123-VIII-10.6	7		EMERGENCY RESPONSE ACTIONS FOR A DECLARED SECURITY EVENT
SO123-VIII-30.7	18		EMERGENCY NOTIFICATIONS
SO123-VIII-40.100	19		DOSE ASSESSMENT
SO123-VIII-40.200	8		RADDOSE-V DOSE ASSESSMENT
SO23-VIII-50.3	11		CORE DAMAGE ASSESSMENT
SO123-VIII-CR	3		EMERGENCY RESPONSE ORGANIZATION

SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-EOF	3		EMERGENCYRESPONSE ORGANIZATION (ERO) EMERGENCY OPERATIONS FACILITY POSITION CHECKLISTS
SO123-VIII-JIC	0		EMERGENCY RESPONSE ORGANIZATION (ERO) JOINT INFORMATION CENTER (JIC) POSITION CHECKLIST
SO123-VIII-OSC	1		EMERGENCY RESPONSE ORGANIZATION (ERO) OPERATIONS SUPPORT CENTER POSITION CHECKLISTS
SO123-VIII-TSC	1		EMERGENCY RESPONSE ORGANIZATION (ERO) TECHNICAL SUPPORT CENTER POSITION CHECKLISTS

Attachment 3

**SONGS EMERGENCY PLAN REFERENCED MANUALS,
ORDERS AND TRAINING PROCEDURES INDEX**

<u>DOCUMENT</u>	<u>REV. #</u>	<u>TITLE</u>
SO123-EP-1	9	SONGS EMERGENCY PLAN IMPLEMENTATION
SO123-XXI-1.11.3	31	EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION
EPSD-1	6	EMERGENCY ACTION LEVEL TECHNICAL BASES
EPSD-1 1.0	2	SECTION 1.0 - PURPOSE
EPSD-1 2.0	3	SECTION 2.0 - DISCUSSION
EPSD-1 3.0	3	SECTION 3.0 - REFERENCES
EPSD-1 4.0	5	SECTION 4.0 - DEFINITIONS, ACRONYMS AND ABBREVIATIONS
EPSD-1 5.0	2	SECTION 5.0 - EAL TECHNICAL BASES
EPSD-1 5.1	4	SECTION 5.1 - CATEGORY A - ABNORMAL RAD LEVELS / RADIOLOGICAL EFFLUENT
EPSD-1 5.2	4	SECTION 5.2 - CATEGORY C - COLD SHUTDOWN / REFUELING SYSTEM MALFUNCTION
EPSD-1 5.3	3	SECTION 5.3 - CATEGORY E - EVENTS RELATED TO INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS
EPSD-1 5.4	5	SECTION 5.4 - CATEGORY F - FISSION PRODUCT BARRIER DEGRADATION
EPSD-1 5.5	5	SECTION 5.5 - CATEGORY H - HAZARDS AND OTHER CONDITIONS AFFECTING PLANT SAFETY
EPSD-1 5.6	6	SECTION 5.6 - CATEGORY S - SYSTEM MALFUNCTION

Attachment 4

**Reports and Analysis Summaries of
SONGS Emergency Plan Implementing Procedures Changes**

SO123-VIII-0.301, Revision 17, Emergency Telecommunications Testing

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-0.301, Rev 17 Title: EMERGENCY TELECOMMUNICATIONS TESTING SONGS Nuclear Notification (NN) #: 202499991 task 2	
Section and Change Description	Analysis Summary
Change 1 Added section 2 to define EP staff responsibilities for test scheduling, assignment of test personnel, and completion of required attachments, and to publish Yellow Phone System test schedules at least one month in advance.	Changes 2, 6, 7, 8, 10, 13, 14, 15 and 18 are considered editorial changes as defined in SO123-XV-109.1, Attachment 2, and do not cause a Reduction in Effectiveness to the SONGS Emergency Plan. The remaining changes affect the following areas: Alter assembly, accountability, shelter or Evacuation of workers/public. (Ref: NUREG-0396 & EPA-400) Alter Emergency. Response Facility (ERF), Assembly Area, or equipment. (Ref: EPLAN SECT-7 & NUREG-0737) Alter test or inspection requirements for ERFs or equipment. (Ref: EPLAN SECT-8 & 10 CFR 50 App E) Affect the ability to meet 10 CFR 50.47(b) Planning Standards and Appendix E, Section IV Requirements.
Change 2 Added section 3.0 Definitions and Acronyms lists.	10 CFR 50.47(b)(8) Adequate emergency facilities and equipment to support the emergency response are provided and maintained.
Change 3 Section 6.1.2, removed reference to Offsite Emergency Planning (OEP) notification.	10CRF50 Appendix E, G. Maintaining Emergency Preparedness - Provisions to be employed to ensure that the emergency plan, its implementing procedures, and emergency equipment and supplies are maintained up to date shall be described.
Change 4 Section 6.1.2.2, attachment 1, section 8.3, and attachment 2, section 4.3, added testing can be performed by EP personnel or designees.	Change 1 added section 2 to define EP staff responsibilities for test scheduling, assignment of test personnel, and completion of required attachments, and to publish Yellow Phone System test schedules at least one month in advance. This change is administrative to upgrade the procedure to the current standards outlined in SO123-XV-109, and this does not result in a reduction of effectiveness to implement the SONGS Emergency Plan.
Change 5 Added Satellite Phones to the list of Equipment in surveillance table 6.1.2.2, with a Quarterly frequency.	Change 3 removed reference to Offsite Emergency Planning (OEP) notification. This change reflects changes in the organization for decommissioning, the OEP organization title has been eliminated and the functions and responsibilities have been incorporated into the Emergency Preparedness Planning group organization. The appropriate notifications to the offsite agencies of Yellow Phone System (YPS) test dates will continue to be maintained and this change does not result in a reduction of effectiveness to implement the SONGS Emergency Plan.
Change 6 Throughout the procedure, updated division titles, names and responsibilities due to organizational changes.	Change 4 added clarification that testing can be performed by EP personnel or designees. This change allows for additional personnel to perform tasks that were previously performed by EP personnel and provides additional resources to ensure tasks are completed adequately and on time. The personnel authorized to perform the testing will be trained and qualified to perform the testing when required. Change 4 supports the requirements to maintain adequate emergency facilities and equipment to support the emergency response and does not reduce the effectiveness of the Emergency Plan.
Change 7 Move References and Commitments section from 2.0 to 8.0 and added 8.2, Developmental References.	
Change 8 Update Attachment 1, section 1.4, to reflect current title for California Office of Emergency services (Cal OES)	
Change 9 Removed reference from Attachment 1, section 1.6.1, to use a single line phone from the OSC E-Kit.	
Change 10 Section 2.1.2, "For radio consoles, log on by using the password "guest" was moved to the beginning of Attachment 1, section 2.1.1	
Change 11 The "Simulator Wall Clock" was removed from the Operations	

Clock Locations table in Attachment 1, section 3.1.2, and instruction to notify NTD was removed from Attachment 1, section 3.1.2.1.

Change 12

Attachment 1, section 4.2 was revised to reflect the current methodology for opening the printed test document from the laptop, printing the test page to the FAX machine and protocol for operation and transmission of the FAX machine.

Change 13

Reworded Attachment 1, section 4.5.1 from "contact" to "individual".

Change 14

Attachment 1, section 4.5.3 was moved to the beginning of section 4.2.1

Change 15

Revised phone number for the Yellow Phone Required Test Stations table for Orange County Comm EOC to 714-628-7052.

Change 16

Deleted Attachment 1, section 6.1, to ask Shift Technical Advisor (STA) to review SO123-0-A7 for reportability and document specific equipment and STA's comments.

Change 17

Attachment 1, section 6.1 added "if phone test is unsatisfactory" request Units 2/3 Shift Manager (SM) to review and evaluate SO123-0-A7 "for reportability".

Change 18

Attachment 2, section 1.1.1, added "backup YPS" to the FAX machines

Change 19

Attachment 2, section 1.3, removed reference to assembly areas K-50 and G-50, Public Address system surveillances.

Change 20

Attachment 2, section 1.7.2.1, removed reference to station #38 Outage Control Center.

Change 21

Attachment 2, section 1.9.1.2, added additional cell phone numbers for the Alt EOF Field Teams.

Change 22

Attachment 2, section 1.10.1.2, revised satellite phone numbers, and added additional satellite phones numbers and locations.

Change 5 added Satellite Phones to the list of Equipment in surveillance table 6.1.2.2, with a Quarterly frequency. The addition of the satellite phones will ensure telecommunications equipment used during emergency response are properly surveilled and maintained and does not constitute a reduction in effectiveness of the Emergency Plan.

Change 9 removed reference from Attachment 1, section 1.6.1, to use a single line phone from the OSC E-Kit. This change is administrative in that the USMC Base Fire Hotline (Orange Phone) has been moved from the E-kit and permanently installed on the Emergency Services Coordinators desk/station and does not constitute a reduction in effectiveness of the Emergency Plan.

Change 11 removed the "Simulator wall Clock" from the Operations Clock Locations table in Attachment 1, section 3.1.2 and instruction to notify NTD from Attachment 1, section 3.1.2.1. The Simulator facility is no longer used for operations training or during Emergency Planning drills; this was evaluated under 10 CFR 50.54(q) for previously submitted procedure SO123-XXI-1.11.3 Revision 31, and determined to not be a reduction in effectiveness. Therefore, the Simulator wall Clock is no longer required to be surveilled. This change is administrative and does not constitute a reduction in effectiveness of the Emergency Plan.

Change 12 revised Attachment 1, section 4.2, to reflect the current methodology for opening the printed test document from the laptop, printing the test page to the FAX machine and protocol for operation and transmission of the FAX machine. This change is administrative and does not change the capability to perform the required function; therefore, it does not constitute a reduction in effectiveness of the Emergency Plan.

Change 16 deleted the requirement to ask Shift Technical Advisor (STA) to review SO123-0-A7 for reportability and document specific equipment and STA's comments, Attachment 1, section 6.1. The STA position was eliminated in Revision 34 to the SONGS Emergency Plan, therefore this step will be removed and is incorporated into the function and responsibility of the Shift Manager in change 17 below. This change aligns the procedure to the current requirements of the Emergency Plan, and it does not reduce its effectiveness.

Change 17 added "if phone test is unsatisfactory" request Units 2/3 Shift Manager (SM) to review and evaluate SO123-0-A7 "for reportability", in Attachment 1, section 6.1. This change incorporates clarification from Change 16 for the Shift Manager to review and perform a reportability evaluation in accordance with SO123-0-A7, if the phone test is unsatisfactory. This change provides clarification and aligns the procedure to the current requirements of the Emergency Plan, and it does not reduce its effectiveness.

Change 19 removed references to assembly areas K-50 and G-50, Public Address system surveillances, in Attachment 2, section 1.3. Building K-50 and G-50 assembly areas have been relocated and this was evaluated under 10 CFR 50.54(q) for previously submitted procedure SO123-VIII-OSC, Revision 1, and determined to not be a reduction in effectiveness. This change aligns the procedure to the previous change in locations, and does not constitute a reduction in effectiveness of the Emergency Plan.

Change 20 removed reference to station #38 Outage Control Center, in Attachment 2, section 1.7.2.1. The Ivory Phone Station #38 located in the Outage Control Center, K-30 Building, has been removed from service and the building has been abandoned. This Ivory Phone station #38 was supplementary and not required for implementing the

	<p>Emergency Plan. The TSC and OSC have designated alternate locations for relocation in Building E-50 with means of communications between ERFs. This change does not reduce the requirements of 10 CFR 50.47(b)(8). Adequate emergency facilities and equipment to support the emergency response are provided and maintained. The function is still maintained and this change does not constitute a reduction in effectiveness of the Emergency Plan.</p> <p>Change 21 added additional cell phone numbers for the Alt EOF Field Teams in Attachment 2, section 1.9.1.2. This change is administrative and does not constitute a reduction in effectiveness of the Emergency Plan.</p> <p>Change 22 revised satellite phone numbers, and added additional satellite phones numbers and locations, in Attachment 2, section 1.10.1.2. This change is administrative and does not constitute a reduction in effectiveness of the Emergency Plan.</p> <p>Changes performed in this revision clarify and update instructions for Emergency Telecommunication Testing Surveillance Program.</p> <p>This program continues to ensure telecommunications equipment used during emergency response are properly surveilled and maintained, and to define the responsibilities for surveillance and maintenance of emergency response telecommunication equipment and the reporting of operability status. The ability to meet the standards of 10 CFR 50.47(b) and 10 CFR 50 Appendix E is not reduced, and the effectiveness of the Emergency Plan is maintained.</p>
<p>PREPARED BY: Lucia Sischo</p> <p>DATE: 10/14/2014</p>	<p>REVIEWED BY: Steve Seward</p> <p>DATE: 10/14/2014</p>

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.