



February 19, 2014

10 CFR 50, Appendix E, Section V

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
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, Appendix E, Section V, Attachment 1 of this letter provides copies of the following revised Emergency Plan Implementing Procedures:

<u>Procedure</u>	<u>Rev.</u>	<u>Effective Date</u>
SO123-VIII-40.200 "RADDPOSE-V Dose Assessment"	8	01/22/2014
SO123-VIII-0.202 "Assignment of Emergency Response Personnel"	12	01/30/2014
SO123-VIII-30.7 "Emergency Notifications"	18	02/06/2014

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 February 6, 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. A bar in the right margin indicates items changed since our previous submittal.

Attachment 4 provides the reports and analysis summaries 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 Mr. Danny R. Cleavenger, Emergency Planning Manager, at (949) 368-6643.

AX45
NR12

February 19, 2014

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Brabec', written over the word 'Sincerely,'.

Richard Brabec, Principal Manager,
Nuclear Regulatory Affairs & Emergency
Preparedness

Attachments: 1. Revised Emergency Plan Implementing Procedures
2. SONGS Emergency Plan Implementing Procedures Index
3. Emergency Plan Manuals, Orders, and Training Procedures that are
Referenced in the Emergency Plan
4. Reports and analysis summaries of the Emergency Plan Implementing
Procedures changes.

cc: Emergency Response Coordinator, NRC Region IV (2 copies of Attachment 1)
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Attachment 1

Revised Emergency Plan Implementing Procedures

SO123-VIII-40.200, Revision 8, RADDPOSE-V Dose Assessment

SO123-VIII-0.202, Revision 12, Assignment of Emergency Response Personnel

SO123-VIII-30.7, Revision 18, Emergency Notifications



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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.	Sections 1.0-3.0, 7.0-9.0 and Attachment 4
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.	Sections 4.0-6.0, Attachments 1-3

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
Mayra Alvarado

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INFORMATION USE



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1.0 PURPOSE AND SCOPE

- 1.1 Provide operating instructions for the Raddose-V Dose Assessment computer code on the Radiation Protection (RP) computers in the TSC and EOF.

2.0 RESPONSIBILITIES

- 2.1 This procedure should be used by personnel qualified to ENCODE HPLDAC, to operate Raddose-V on HP Computers located in the TSC and EOF as primary dose assessment tool as directed in SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center Position Instructions, and SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility Position Checklists. SO123-VIII-40.100, Dose Assessment, describes a manual dose assessment methodology that should only be used when the computer system is not available (due to inoperability or lack of qualified operators) or for backup calculations.

3.0 DEFINITIONS

- 3.1 Cal OES: California Office of Emergency Services
- 3.2 CAPR: Corrective Action to Prevent Reoccurrence
- 3.3 CEDE: Committed Effective Dose Equivalent
- 3.4 CDE: Committed Dose Equivalent
- 3.5 CFMS: Critical Function Monitoring System
- 3.6 DAC: Derived Airborne Concentration
- 3.7 DACS: Dose Assessment Computer System
- 3.8 EAL: Emergency Action Level
- 3.9 EP: Emergency Plan
- 3.10 EPIP: Emergency Plan Implementing Procedure
- 3.11 ERDS: Emergency Response Data System
- 3.12 ERF: Emergency Response Facility
- 3.13 ERO: Emergency Response Organization

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3.14	<u>ERTD</u> :	Emergency Response Telephone Directory
3.15	<u>ISFSI</u> :	Independent Spent Fuel Storage Installation
3.16	<u>KI</u> :	Potassium Iodide
3.17	<u>NRC</u> :	Nuclear Regulatory Commission
3.18	<u>OCA</u> :	Owner Controlled Area
3.19	<u>ODAC</u> :	Offsite Dose Assessment Center
3.20	<u>OSLD</u>	Optically Stimulated Luminescent Dosimeter
3.21	<u>PA</u> :	Protected Area
3.22	<u>PAPA</u> :	Protected Area Personnel Accountability
3.23	<u>PAR</u> :	Protective Action Recommendation
3.24	<u>PASS</u> :	Post Accident Sampling System
3.25	<u>PAZ</u> :	Protective Action Zone
3.26	<u>RP</u> :	Radiation Protection
3.27	<u>SCE</u> :	Southern California Edison
3.28	<u>SONGS</u> :	San Onofre Nuclear Generating Station
3.29	<u>TEDE</u> :	Total Effective Dose Equivalent
3.30	<u>TLD</u> :	Thermoluminescent Device
3.31	<u>TSC</u> :	Technical Support Center
3.32	<u>VNF</u> :	Verbal Notification Form
3.33	<u>YPS</u> :	Yellow Phone System

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4.0 PRECAUTIONS AND LIMITATIONS

4.1 Precautions

- 4.1.1 SO123-VIII-10.3, Protective Actions Recommendations, requires decisions based on Total Effective Dose Equivalent (TEDE) dose assessments for the Exclusion Area Boundary (EAB).
- 4.1.2 An elevated release (lofted plume) may occur during cold, stable atmospheric conditions, or during an energetic release (e.g., expelled by fans, steam dumps or steam safety valves). If these conditions occur, plume readings close to the plant (within approximately 2 miles) may be lower than expected for a ground level release. Although quantitative changes to dose estimates are not needed, consideration should be made for the effects of plume loft when directing field teams.
- 4.1.3 This procedure is intended to provide operating instructions for using Raddose-V Computer Code to calculate a dose assessment. SO123-VIII-40.100, Dose Assessment, describes a manual dose assessment methodology that can be used if Raddose-V cannot be executed or if an independent backup assessment is desired.
- 4.1.4 When operating in slave mode, verify the control station has performed the calculation before printing any reports to prevent the report from containing results from previous calculations.
- 4.1.5 WHEN performing a Back Calculate Source Term/Dose Assessment, be sure to use field data location where the plume has arrived. OTHERWISE, IF the plume has **NOT** reached the distance from which you are back calculating RADDOSE V will calculate zero dose at that point.

4.2 Limitations

- 4.2.1 None

5.0 PREREQUISITES

- 5.1 Before using this procedure user should know which operating mode to select. Raddose-V provides a Control/Slave mode to allow one work station to run the model as the control station and other stations to "watch" results (from control station) as slave stations. The model also provides an Independent mode where the station works independently from the Control/Slave functions.
- 5.2 Emergency Planning is responsible for ensuring the current copy of this Document is in emergency notebooks for use during declared emergencies and drills.

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- 5.3 Personnel are responsible for ensuring they use the current copy of this document 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
- 5.4 ERO members must maintain one of the following task qualifications
- 7L1QWT, TSC RP Leader Qual. Walkthrough (Radiation Protection Leader)
 - 7L5QWT, EOF RP Leader Qual Walkthrough

NOTE

Section 6.7 should be referred to for dose assessment instructions when there are accidents involving both Units 2 and 3.

6.0 PROCEDURE

6.1 SYSTEM START UP

- 6.1.1 IF computer equipment is not already energized, THEN start up system by turning on power switches for computer, monitor, and printer. WHEN the computer's start up sequence has completed, THEN the Dose Assessment Computer System (DACS) program icons will be on the Windows XP desktop.
- 6.1.2 **SELECT** the icon on the XP desktop for the unit for which dose assessments are required (Unit 2 or 3). "DACS: Raddose-V" title screen is displayed indicating work station identity code XXXX, e.g., EOF1
- 6.1.3 **SELECT [Continue]** button.
(Raddose-V prompts: "Do you want to use automatic data from the network or manual data entry?")

NOTE

In an actual emergency the data is pulled from Emergency Response Data System (ERDS) computer. In event that ERDS is not functioning or communicating to DACS properly, manual entry of data will be required.

- 6.1.4 **SELECT [Automatic]** to enable automatic entry of actual data from ERDS database.

OR

SELECT [Manual] to enable manual entry of meteorological and radiological data.
(Raddose-V prompts: "Do you want to run in Control/Slave or Independent Mode?")

REFERENCE USE



- 6.1.5 **SELECT [Control/Slave]** to take control of system or to receive dose assessments as a slave station.

OR

SELECT [Independent] to run Raddose-V independent from control station.
(If no one is on the system as controller, then computer will prompt: "No one is in control, do you want control? Slave mode cannot be used since there is no control station").

- 6.1.6 To assume control **SELECT [Yes]**. This will permit data you calculate to be viewed by other slave computers on the system. (If another work station already has taken control of system, THEN computer will prompt: "XXXX is in control. Do you want to be a slave, or run independently?")

NOTE

A slave station cannot perform real-time calculations. A slave station can watch results from control station and perform forecasts after initial calculations have been made at control station.

- 6.1.6.1 **SELECT [Slave]** to be put on system as a slave station.
- 6.1.6.1.1 **SELECT [Continue Previous Incident]** to view data from control station.
- 6.1.6.1.2 To perform forecasts REFER to Section 6.6

OR

- 6.1.6.2 **SELECT [Independent]** to take over control of system from current control station. Raddose-V "Main Menu" is displayed
- 6.1.6.2.1 **CONTACT** station that has control of system AND **INFORM** them you are taking control of system.
- 6.1.6.2.2 **SELECT [Take Control]** from Main Menu. Computer will prompt: "XXXX is in control. Are you sure you want to be in control?"



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- 6.1.6.2.3 **SELECT [Yes]** to complete process. (Computer will prompt, "Do you want to run in Drill Mode or Accident Mode?" **SELECT [Drill]** or **[Accident]** mode, "Inventory Listing" screen is displayed.)

NOTE

Selecting **[Drill]** will cause program to take radiological and meteorological data from a database developed by drill planner for specific drill. Selecting **[Accident]** will cause program to take radiological and meteorological data from ERDS database of actual plant and meteorological data.

- 6.1.6.3 **SELECT [Continue]**. "Start-Up Menu" is displayed.
- 6.1.7 **DETERMINE** which of the following conditions apply and go to designated procedure step
- 6.1.7.1 To start a new assessment with system in proper configuration (neither of the following Steps 6.1.7.2 or 6.1.7.3 apply), **GO TO** Procedure Step 6.1.8.
- 6.1.7.2 To recover from a computer error that led to an unplanned program termination, **GO TO** Procedure Step 6.1.9.
- 6.1.7.3 To recover system after computer was improperly shut down by a previous user **NOT** in this scenario, **GO TO** Procedure Step 6.1.10.
- 6.1.8 **SELECT [Begin New Incident]** from Start-Up Menu to start a new assessment
- 6.1.8.1 **SELECT [Yes]** to erase all previous data.
- 6.1.8.2 **GO TO** Procedure Step 6.1.11.
- 6.1.9 **SELECT [Continue Previous Incident]** from Start-Up Menu to recover from a computer error that led to an unplanned program termination. ("Continuation Data" screen will be displayed.)

NOTE

The Continuation Data screen will display the date and time of the reactor shutdown, the date and time of the release, and the operators initials.

- 6.1.9.1 **VERIFY** accuracy of input data on Continuation Data screen.
- 6.1.9.2 **SELECT [Continue]** to return to Main Menu.
- 6.1.9.3 **GO TO** Procedure Step 6.2.1.

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- 6.1.10 **SELECT [Continue Previous Incident]** from Start Up Menu to recover system after computer was improperly shut down by a previous user NOT IN THIS SCENARIO.
- 6.1.10.1 **SELECT [Continue]** on Continuation Data Screen.
- 6.1.10.2 **SELECT [Go to Start Up Menu]**.
- 6.1.10.3 **SELECT [Exit Raddose-V]**.
- 6.1.10.4 To restart Raddose-V program, **GO TO** Procedure Step 6.1.2. "Accident Scenario Definition" screen should now be displayed.
- 6.1.11 **PERFORM** the following:

NOTE

DACS must be restarted if a new reactor trip time and/or radiological release time is being inputted. This will require all operators in "Control" or "Slave" mode to logoff until DACS is restarted.

- 6.1.11.1 **ENTER** current date and time for reactor trip.
- 6.1.11.2 **ENTER** date and time of start of release.
- 6.1.11.3 **ENTER** your initials as operator.
- 6.1.11.4 **VERIFY** accuracy of input data on Accident Scenario Definition screen.
- 6.1.11.5 **SELECT [Accept]** to return to Main Menu.

NOTE

DACS should be updated with a new time step every 15 to 30-minutes, in order to keep time step current. This should be done even if source term has not changed.

- 6.1.12 **IF** an accident related release of radioactive material begins, **THEN CALCULATE** an emergency dose projection every 15-30 minutes based on latest source term provided by the TSC Technical Team Mitigator.



- 6.1.13 **POLL AND PRINT** meteorological, radiation monitor, and PIC data approximately every 15 minutes. This should occur automatically if **[Automatic Rad Report]** button is enabled on Main Menu screen.
- 6.1.13.1 To access meteorological, radiation monitor, and PIC data, **GO TO** Windows XP desktop.
- 6.1.13.2 **SELECT [Historical Data]**.

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NOTE

- 1) The following procedure steps describe how to input meteorological and radiological data to perform a dose assessment. Determination of appropriate Radiological data should be made in direct consultation with TSC Technical Leader.
- 2) Raddose-V can be used to track or forecast an "empty" plume which can be used to pre-stage field teams in anticipation of an actual accident related release. To simulate an "empty" plume use a very low plant vent stack Noble Gas release rate such as 2.0E-14 Curies/sec to avoid hypothetical release data being interpreted as an actual release.

6.2 METEOROLOGICAL DATA ENTRY

- 6.2.1 **SELECT [Enter/Edit Meteorological Data]** from Main Menu. "Meteorological Data Input" screen will be displayed. (If Raddose-V is in automatic mode, then Raddose-V will download appropriate meteorological data.)
- 6.2.2 IF Raddose V is in automatic mode, THEN GO TO Procedure Step 6.2.5.
- 6.2.2.1 IF Raddose-V is not in automatic mode, THEN CLICK on **[OK]** to enable manual entry.
- 6.2.3 Manually **ENTER** the following data by highlighting blank data field (displayed as *****) AND manually INPUTTING desired value.

NOTE

Double clicking on an existing value will allow value to be edited. Data is accepted by using enter key.

- 6.2.3.1 **ENTER** Wind Speed.
- 6.2.3.2 **ENTER** Wind Direction.
- 6.2.3.3 **ENTER** Delta T.
- 6.2.3.4 IF Delta T is not available, THEN Stability class can be estimated and entered directly.

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NOTE

Unless better information is available use Stability Class D for daytime conditions and Stability Class F for night time conditions.

6.2.3.5 **ENTER** Air Temperature.

6.2.3.6 **ENTER** Precipitation.

6.2.4 **VERIFY** input data.

6.2.5 **SELECT** [Accept] to return to Main Menu.

6.3 SOURCE TERM DATA ENTRY

6.3.1 **SELECT** [Enter/Edit Source Term Data] from Main Menu. "Source Term Data Input" screen will be displayed. Click on [OK] to enable manual entry.

NOTE

- 1) Accident type should be a Fuel Handling Building (FHB) accident unless otherwise determined by TSC Technical Team.
- 2) Raddose-V can evaluate three separate release paths simultaneously.

6.3.2 **ENTER** accident type by clicking the mouse in the cell for release path of concern in Accident Type Column. A drop down menu will appear.

6.3.3 **SELECT** accident type from drop down menu by double clicking in first cell of row containing description of accident type.

NOTE

- 1) For Wide Range Gas Monitors (WRGMs), the $\mu\text{Ci/cc}$ value for "Lo", "Med", or "Hi" channel should be used as long as those values are in the range of $1\text{E-}7$ to $1\text{E-}1$, $1\text{E-}4$ to $1\text{E+}2$, or $1\text{E-}1$ to $1\text{E+}6$ $\mu\text{Ci/CC}$, respectively.
- 2) For the Unit 2 and 3 Plant Vent Stacks (PVSs), if a $\mu\text{Ci/sec}$ is unavailable, then average the $\mu\text{Ci/cc}$ of both PVSs (use the $\mu\text{Ci/cc}$ of one monitor if only one PVS is available) and use 164,000 cfm release rate.

6.3.4 **SELECT** Noble Gas entry method by first clicking in cell in NG Method column. A drop down menu will appear.

6.3.4.1 **SELECT** Noble Gas entry method from drop down menu by double clicking in first cell of row containing description of Noble Gas entry method.

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- 6.3.4.2 If Direct (**DIRECT**) is selected as Noble Gas entry method, THEN **ENTER** Noble Gas release rate in Curies per second in NG Rel Rate (Ci/s) field.
- 6.3.4.3 **ENSURE** Noble Gas source term data is entered using units specified in Noble Gas entry method drop down menu.
- 6.3.5 **SELECT** Iodine entry method by first clicking in cell in I Method column. A drop down menu will appear.
- 6.3.5.1 **SELECT** the Direct (**DIRECT**) Iodine entry method from drop down menu by double clicking in first cell of row containing description of Iodine entry method.
- 6.3.6 **ENTER** Iodine release rate as '0' in Curies per second in I Rel Rate (Ci/s) field.
- 6.3.7 **VERIFY** accuracy of inputs on Source Term Data Input Screen.
- 6.3.7.1 **SELECT** [**Accept**] to return to Main Menu.

6.4 PERFORMING A CALCULATION

- 6.4.1 From Main Menu, **SELECT** [**Perform Calculations**].

NOTE

- 1) Computer will calculate dose rates for defined plume segment, and will calculate dose rates and plume segment movement for plume segments already released. Once completed, program displays 10-mile Emergency Planning Zone (EPZ) map.
- 2) After calculation has been performed, slave computer will be able to view data.

- 6.4.2 **SELECT** [**Continue**] to remove map. ("Output Menu" will be displayed).
- 6.4.3 From Output Menu, **SELECT** [**Go to Report Menu**].

NOTE

- 1) Unless other options have been requested, print the following reports from Report Menu.
- 2) Selecting [**Print reports ODAC Forms and Maps**] will print a multi-page report of greater than 10 pages.

- 6.4.4 From Report Menu, **SELECT** [**Print Header Pages**].
- 6.4.5 From Report Menu, **SELECT** [**Print 2-mile Map**].

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6.4.6 CLICK on [Return to Output Menu].

6.4.7 From Output Menu, **SELECT** [Return to Main Menu] to return to Main Menu.

NOTE

[Continue Calculations] also returns to Main Menu.

6.4.8 **CONTINUE** running dose assessments on 15 minute plume segments approximately every 15 minutes with source term data provided by TSC Technical Team Mitigator or TSC Technical Leader.

6.4.9 **ENSURE** results of dose assessments are transmitted to appropriate slave stations.

6.5 PERFORMING A BACK CALCULATION USING FIELD DATA

NOTE

- 1) To perform a back calculation at least one plume segment must have been entered and calculated. Distance and bearing where field measurement is taken is critical to calculation of proper X/Q value. Bearing is expressed in "degrees to" field location and will be 180° out of phase with wind direction which is expressed as "degrees from".
- 2) Back calculation assumes actual field or PIC readings are centerline of plume. If this assumption is not correct, Raddose-V calculated values and field or PIC value comparisons may not match.

CAUTION

When performing a back calculation from field data, Raddose-V uses Iodine to Noble Gas ratio from previous plume step. This value must be checked to ensure it is still applicable or significant miscalculations could occur.

6.5.1 From Main Menu, **SELECT** [Enter/Edit Source Term Data].

6.5.2 At "Source Term Data Input Screen", **SELECT (BACK)** from drop down menu for Noble Gas method. This will open "Back Calculation of Release Rate" screen.

6.5.3 **SELECT** Noble Gas method (either PIC or actual field measurements).

6.5.4 **SELECT** Iodine I-131 concentration method.

6.5.5 IF field measurement data is being used, THEN **ENTER** distance and bearing from the plant for field reading.

6.5.5.1 **ENTER** Closed Window field measurement in mR/hr.

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- 6.5.5.1.1 **ENTER** $\mu\text{Ci/cc}$ I-131 value of "0".
- 6.5.6 **IF** PIC data is being used, **THEN** **ENTER** PIC ID# and PIC reading in mR/hr.
- 6.5.6.1 **VERIFY** input data.
- 6.5.6.2 **SELECT [OK]** to return to Source Term Data Input Screen.
- 6.5.7 **SELECT [Accept]** to return to Main Menu.
- 6.5.8 **PERFORM** calculations **AND** **PRINT** reports as described in Section 6.4.
- 6.5.9 **CONTINUE** to poll meteorological, radiation monitor, and PIC data as time allows.
- 6.5.10 **ENSURE** results of dose assessments are transmitted to appropriate slave stations.

6.6 PERFORMING A FORECAST

NOTE

- 1) At least one plume segment must be calculated before forecasts can be performed.
- 2) Tracking or forecasting an "empty" plume may be used to pre-stage field teams in anticipation of an actual accident related release. To simulate an "empty" plume use a very low plant vent stack Noble Gas release rate such as $2.0\text{E-}14$ Curies/sec to avoid hypothetical release data being interpreted as an actual release.
- 3) All printouts of "empty" plume calculations should be clearly identified with phrase "No Release" written on printout(s).
- 4) All "WHAT IF" plume calculations should be clearly identified with "WHAT IF" written on printout(s).

- 6.6.1 **VERIFY** accuracy of meteorological and source term data.
 - 6.6.1.1 From Main Menu, **SELECT [Enter/Edit Meteorological Data]**.
 - 6.6.1.1.1 **ENTER** meteorological data for forecast period in current time step.
 - 6.6.1.1.2 **SELECT [Accept]** to return to Main Menu.
 - 6.6.1.2 From Main Menu, **SELECT [Enter/Edit Source Term Data]**.
 - 6.6.1.2.1 **ENTER** source term data for forecast period in current time step.
 - 6.6.1.2.2 **SELECT [Accept]** to return to Main Menu.

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NOTE

When proceeding with real-time calculations after having performed "WHAT IF", be certain data in new plume segment is correct (edited) for real time data. A warning pop up box will appear to remind you.

- 6.6.2 **SELECT [Perform Forecast]** from Main Menu. A pop up box appears asking operator to verify forecast period. A default time of 2 hours is displayed.
- 6.6.2.1 **ACCEPT** default value if 2 hours is appropriate;

OR

ENTER a different forecast period in hours.
- 6.6.2.2 **SELECT [OK]** to perform forecast calculations. [Upon completion of calculations, 10-mile EPZ map for forecast period is displayed along with PAG (Protective Action Guideline) information].
- 6.6.3 **SELECT [Continue]** to remove map. "Output Menu" is displayed.
- 6.6.4 From Output Menu **SELECT [Go to Report Menu]** to obtain dose reports.
- 6.6.5 **SELECT [Return to Output Menu]**.
- 6.6.6 From Output Menu **SELECT [Return to Main Menu]** to continue calculations or perform another forecast.
- 6.6.7 **ENSURE** results of dose assessments are transmitted to appropriate slave stations.

6.7 MULTIPLE UNIT DOSE ASSESSMENT

- 6.7.1 **COMPLETE** U2 Dose Assessment following sections 6.1.through 6.4.
- 6.7.1.1 **ENTER** TEDE value from page 3 of Header Report on Attachment 3.
- 6.7.1.2 **ENTER** two hour estimate TEDE value from page 3 of Header Report on Attachment 3.
- 6.7.2 **COMPLETE** U3 Dose Assessment following steps in 6.1.through 6.4.
- 6.7.2.1 **ENTER** TEDE value from page 3 of Header Report on Attachment 3.
- 6.7.2.2 **ENTER** two hour Estimate TEDE value from page 3 of Header Report on Attachment 3.
- 6.7.3 **ADD** Unit 2 and Unit 3 Dose Assessment TEDE on Attachment 3:
- 6.7.3.1 **ADD** Unit 2 and Unit 3 TEDE values **AND ENTER** the total on Attachment 3.

REFERENCE USE



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6.7.3.2 **ADD** Unit 2 and Unit 3 two hour Estimate TEDE values **AND ENTER** the total on Attachment 3.

6.7.4 **SIGN AND DATE** Performed By on Attachment 3.

6.7.5 **ENSURE** Attachment 3 is peer checked and the reviewed by line is signed.

6.7.6 **ATTACH** Header Report and 2 Mile Map for each Unit to Attachment 3.

6.8 **SYSTEM SHUTDOWN**

NOTE

- 1) The dose associated with a radiological plume should be completely assessed to the maximum credible distance before the RP Leader determines the Raddose-V program will no longer be needed and system may be shut down.
- 2) Pressing the "Disabled" or "Enabled" radio button for the "Automatic Rad Report" resets the Control/Slave mode in the software when the system will not relinquish control (spinning circle remains on the display).

6.8.1 **IF** your station has been in control, **THEN SELECT** [Relinquish Control] from Main Menu.

6.8.1.1 Model will prompt "Are you sure?"

6.8.1.2 **SELECT** [Yes].

6.8.1.3 **SELECT** [Go to Start Up Menu].

6.8.1.4 **SELECT** [Exit Raddose-V].

6.8.2 **IF** your station has been running in either slave or independent mode, **THEN SELECT** [Go to Start Up Menu] from Main Menu.

6.8.2.1 **SELECT** [Exit Raddose-V].

REFERENCE USE



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7.0 ACCEPTANCE CRITERIA

7.1 None.

8.0 RETENTION OF RECORDS

8.1 Deliver all logs and worksheets used during response activities to EOF Emergency Planning Coordinator or TSC Manager at conclusion of emergency.

9.0 REFERENCES / COMMITMENTS

9.1 Implementing Reference

9.1.1 Procedures

9.1.1.1 SO123-VIII-10.3, Protective Action Recommendations

9.1.1.2 SO123-VIII-40.100, Dose Assessment

9.1.1.3 SO123-XV-109, Procedure and Instruction Format and Content

9.1.1.4 SO123-XV-HU-3, Written Instruction Use and Adherence

9.1.1.5 SO123-VIII-TSC, Emergency Response Organization (ERO) Technical Support Center Position Checklist

9.1.1.6 SO123-VIII-EOF, Emergency Response Organization (ERO) Emergency Operations Facility Position Checklists

9.1.2 Drawings

9.1.2.1 None

9.1.3 Manuals

9.1.3.1 Operator's Manual for DACS/RADDOSE-V, Rev. 3, June 1998

9.1.4 Other

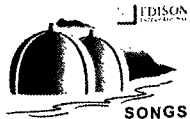
9.1.4.1 None

9.2 Developmental References

9.2.1 Commitments

9.2.1.1 None

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9.2.2 Corrective Actions to Prevent Recurrence (CAPR)

9.2.2.1 None

9.2.3 Procedures

9.2.3.1 SO123-VIII-40.3, EOF Radiation Protection (RP) Leader Duties.

9.2.3.2 SO123-VIII-40, TSC Radiation Protection (RP) Leader Duties.

9.2.4 Drawings

9.2.4.1 None

9.2.5 Manuals

9.2.5.1 Operator's Manual for DACS/RADDOSE-V, Rev. 3, June 1998

9.2.6 Other.

9.2.6.1 Action Request 060301941, Assignment 3



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Supplemental Raddose-V Information

Attachment 1

1. All DACS databases "time stamp" data from the beginning of the interval. For the case of the 15-minute average data, intervals begin on the quarter hour. The data represent an average of the following 15 one-minute readings.
2. For the 09:00 record, the one-minute average for 09:00, 09:01, and 09:02...09:14 are averaged and reported. The one-minute average is actually the average of fifteen readings taken at 4-second intervals. As such, the actual time period of the 09:00 fifteen-minute average is really 09:00:00 to 09:14:56.
3. Raddose-V can back calculate a source term for dose projections based on field data including PIC readings. To use this feature the location of the field sample or PIC reading must be within the Raddose-V generated plume area. The field data should be entered in the appropriate accident time step coinciding with the field measurement.
4. Back calculation assumes the actual field or PIC readings are the centerline of the plume. If this assumption is not correct, the Raddose-V calculated values and the field or PIC value comparisons may not match.
5. Raddose-V can be used to track or forecast an "empty" plume which can be used to pre-stage field teams in anticipation of an actual accident related release. To simulate an "empty" plume use a very low plant vent stack Noble Gas release rate such as $2.0\text{E-}14$ Curies/sec to avoid hypothetical release data being interpreted as an actual release.
6. Occasionally, there will be a puff release during an incident or drill. Make sure that releases which stop are terminated in the Raddose-V program.
7. The accident type can change during an accident. Make sure this change is properly recorded in Raddose-V even if the source term values remain the same.
8. In the **[Enter/Edit Source Term Data]** screen do not attempt to enter rad data unless an entry method has been selected. Attempting to enter rad data without specifying an entry method will produce an error message "Subscript out of Range". When the error message is acknowledged the program will terminate. The user will need to restart the program from the Raddose-V icon in the DACS Program group.

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	Attachment 2	

PAR Assessments Beyond 10 Miles

Attachment 2

In an extreme radiological release under adverse meteorological conditions there is a potential that Plume exposure PAR's may need to be evaluated at distances beyond 10 miles. Raddose-V can assess dose rates beyond 10 miles by utilizing the Point-of-Interest Doses screen. This screen can be accessed from the Main Menu by selecting **[Display Point-of-Interest Doses]**.

The Point-of-Interest screen allows a user the ability to obtain dose rates and deposition rates at any point within the 50-mile Ingestion Pathway Zone (IPZ). When the screen is first entered, the maximum dose rates and deposition rates at each ring distance (EAB, 1, 2, 5 and 10 miles) are displayed. For any other location, the radial distance in miles and the bearing in degrees can be entered to assess the plume EDE dose rate, TEDE dose rate, as well as a deposition rate.

When protective action guideline doses are exceeded at 10 miles (i.e., ≥ 1 rem TEDE) an evaluation should be made to determine the distance to which the Protective Action Recommendations should be extended. The Point-of-Interest Doses feature of Raddose-V can be utilized together with an estimated release duration to determine the distance where protective action guideline doses will not be exceeded.



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Multiple Unit Dose Assessment Worksheet

Attachment 3

One hour estimate:

U2 TEDE (mrem/hour) from page 3 of header report _____ (mrem/hour)

U3 TEDE (mrem/hour) from page 3 of header report _____ (mrem/hour)

Total (mrem/hour) add unit 2 + unit 3 _____ (mrem/hour)

Two hour estimate:

U2 TEDE (mrem) from page 3 of header report _____ (mrem)

U3 TEDE (mrem) from page 3 of header report _____ (mrem)

Total (mrem) add unit 2 + unit 3 _____ (mrem)

Performed by: _____ Date: _____

Reviewed by: _____ Date: _____

	RADDOSE-V Dose Assessment	SO123-VIII-40.200 REV: 8
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Summary of Changes	Attachment 4
---------------------------	---------------------

Author: S Sewell

NN, Order, or Other Action	Description of Change	Reviewer(s)	50:59 / 72:48	Step, Section, Attachment or Page
202632147	Changed step to correct Trip date/time information.	Sewell Carey Cleavenger Ahola	DNA	Step 6.1.11.1
202624875	Include clarification of NOTE for either mode ("control" or "slave") and move to step to which it applies. Add Note 2 to provide clarification for how to reset the control/slave mode in the Raddose-V software.	Sewell Ahola Cleavenger		Note at Step 6.1.11.1 Note 2 at Step 6.8.1

ASSIGNMENT OF EMERGENCY RESPONSE PERSONNEL

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INFORMATION USE
QA PROGRAM AFFECTING
50.59 DNA / 72.48 DNA

ASSIGNMENT OF EMERGENCY RESPONSE PERSONNEL

1.0 OBJECTIVE

- 1.1 To define responsibilities for assigning and maintaining qualifications for Emergency Response Personnel (ERP).

2.0 REFERENCES

2.1 NRC Commitment

- 2.1.1 Emergency Plan for San Onofre Nuclear Generating Station

2.2 Order

- 2.2.1 SO123-EP-1, SONGS Emergency Plan Implementation

2.3 Procedures

- 2.3.1 SO123-XV-109, Procedure and Instruction Format and Content
- 2.3.2 SO123-VIII-0.100, Maintenance and Control of Emergency Planning Documents
- 2.3.3 SO123-XV-13, 1410 Access Authorization Process for Protected and Vital Area Entry
- 2.3.4 SO123-XV-41, Respiratory Protection Program
- 2.3.5 SO123-XXI-1.11.3, Emergency Plan Training Program Description
- 2.3.6 SO23-XXI-TRN, Conduct of Training
- 2.3.7 SO123-XXIII-4.1, Authorization and Issuance of Security Photo-Identification Badges
- 2.3.8 SO123-XV-HU-3, Written Instruction Use and Adherence
- 2.3.9 SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations

2.4 Other

- 2.4.1 EPPG-SO23-G-2, SONGS Emergency Response Organization Fundamentals and Standards Guideline
- 2.4.2 Form AD(123) 10, Termination/Change of Status Notification
- 2.4.3 Form EP(123) 100, Emergency Response Personnel Assignment

3.0 PREREQUISITES

- 3.1 **VERIFY** this document is current by using one of the methods described in SO123-XV-HU-3.
- 3.2 **VERIFY** level of use requirements on page one of the document.

4.0 PRECAUTIONS

- 4.1 None

5.0 CHECKLIST(S)

- 5.1 None

6.0 PROCEDURE

6.1 General

NOTE

- 1) All Nuclear Organization personnel designated to assist with the mitigation of emergencies shall be identified as Emergency Response Personnel (ERP).
- 2) The Emergency Response Organization (ERO) is comprised of Emergency Response Personnel who are designated on-shift ERO responders assigned or recalled to the Control Room, Technical Support Center (TSC), Operations Support Center (OSC), Emergency Operations Facility (EOF) or, Joint Information Center (JIC), and are responsible for implementing the SONGS Emergency Plan.

- 6.1.1 All personnel may be required to perform job-related duties during an emergency.
- 6.1.2 ERP assignments shall be given to personnel who have been assigned to the ERO, Personnel assigned ERP codes are qualified once they have been trained in accordance with SO123-XXI-1.11.3.
- 6.1.3 ERP assignments shall be terminated for personnel:
 - who have failed to meet the requirements in Section 6.2, or
 - whose 1410 Supervisor, Manager, Position Owner or Point of Contact has submitted Form EP(123) 100 to Emergency Planning (EP) and the termination has been approved by the Emergency Planning Manager.
- 6.1.4 The on-duty minimum staff ERO responders have response times of 90 minutes to their emergency duty stations.
- 6.1.5 All ERP responding to an emergency will meet Fitness for Duty requirements and declare alcohol consumption for the pre-duty abstinence period of 5 hours.

6.2 **Training**

- 6.2.1 All personnel with ERP assignments shall be trained in accordance with SO123-XXI-1.11.3 and shall renew their training in accordance with SO23-XXI-TRN.

6.3 **Responsibilities of Cognizant Functional Division Managers, 1410 Supervisors, Position Owners or Points of Contact**

- 6.3.1 Cognizant Functional Division Managers, 1410 Supervisors, Position Owners, or Points of Contact are responsible for:
- .1 Ensuring that a sufficient number of personnel are trained and available to satisfy the minimum shift staffing requirements per the SONGS Emergency Plan, Table 5-5.
 - .2 Ensuring that sufficient personnel are qualified, in accordance with SO123-XV-41, to meet the Self-Contained Breathing Apparatus (SCBA) or gas mask levels listed in Attachment 1 of this procedure.
 - .3 Notifying EP when assigning responders to the ERO and when terminating or changing an ERP assignment using Form EP(123) 100.
 - .4 Ensuring that personnel have been assigned to the on-shift ERO Roster using the ERO Roster function of the Site Worker Scheduling System (SWS).
 - .5 Ensuring ERP personnel meet the ERO Standards outlined in EPPG-SO23-G-2. (Reference 2.4.1)
 - .6 Ensuring that a sufficient number of personnel are trained and available to fill all recalled ERO roster positions.

6.4 **Responsibilities of 1410 Supervisors**

- 6.4.1 1410 Supervisors are responsible for:
- .1 Ensuring personnel are scheduled for Red Badge, Emergency Plan training, Fitness for Duty, and respirator training.
 - .2 Complying with SO123-XV-13, 1410 Access Authorization Process for Protected and Vital Area Entry, Emergency Response Personnel (ERP) Assignments Section.
 - .3 Reviewing ERP assignments to determine if assignments are current.
 - .4 Submitting Form EP(123) 100 to add, change or terminate an ERP assignment.

6.5 **Responsibilities of the Central Processing Facility (CPF)**

6.5.1 The CPF is responsible for:

- .1 Updating badge expiration dates and changing Access Levels in T2000.
- .2 Terminating unescorted access and/or site access upon receipt of Form AD(123) 10 or 1410 Supervisor notification.
- .3 Notifying EP of terminations or deactivations of unescorted access via Current Changes Report (CCR). (Reference 2.3.3)
- .4 Updating SEAS access upon receiving documentation from Emergency Planning.
- .5 Terminating Security Badges in accordance with SO123-XXIII-4.1.

6.6 **Responsibilities of the Nuclear Training Division (NTD)**

6.6.1 NTD is responsible for:

- .1 Providing the scheduled training per the assigned encode.
- .2 Updating records to reflect completed training provided by NTD.

6.7 **Responsibilities of Emergency Planning (EP)**

6.7.1 EP is responsible for:

- .1 Reviewing CCRs to identify personnel who should no longer be on the emergency recall system.
- .2 Tracking training and qualification progress to verify ERP have completed required training.
- .3 Maintaining on-shift ERO Roster Control Data via Site Worker Scheduling System (SWS)/EQIS.
- .4 Assign personnel ERO qualification code(s) in T2000, Qualification Manager, upon approval of EP(123) 100.
- .5 Maintaining Web based required reading for the Emergency Response Organization (ERO).
- .6 Send all newly assigned augmented ERO members a "Welcome" email notifying them of their assignment, addition to the Recall System, Team Assignment, and a copy of SO123-XV-ERO-1 and EPPG-SO23-G-2.

7.0 **RECORDS**

7.1 None

REQUIREMENTS FOR RESPIRATOR QUALIFICATION OF EMERGENCY RESPONSE PERSONNEL

Emergency Response Personnel	Percent SCBA or Gas Mask	Number of Onshift SCBA or Gas Mask
Licensed Operators		
SRO	60 ⁽¹⁾	2 ⁽¹⁾
Certified Operator Plant Ops	40 ⁽¹⁾	3 ⁽¹⁾
Radiation Protection	25 ⁽¹⁾	2 ⁽¹⁾
Technicians	25 ⁽¹⁾	(Technician or First-Line)
First-Line Supervision		
Chemistry Technicians	25 ⁽¹⁾	N/A
Maintenance		
Electrical Technician	25 ⁽¹⁾	1 ⁽¹⁾
Mechanical Technician	25 ⁽¹⁾	(Mechanical or Mechanical First Line)
Instrument Technician	25 ⁽¹⁾	AND
First-Line Supervision	15 ⁽¹⁾	1 ⁽¹⁾
		(Electrical OR Instrument Technician or Electrical/Instrument First Line)
Security		
Officers	5 ⁽²⁾	2 ⁽²⁾
First-Line Supervision	5 ⁽²⁾	(Officer or First-Line)
Fire Brigade Member	100 ⁽¹⁾	All ⁽¹⁾

(1) Positions are required to maintain SCBA qualification level.

(2) Security First-Line Supervision and Officers are only gas mask qualified.

SUMMARY OF CHANGES

SO123-VIII-0.202

Rev. 12

Author: Alvarado

NN, Order or Other Action	Description of Change	50.59	Reviewer	Step(s), Section(s) or page number
202645301	Update responsibility of 1410 Supervisor	DNA	Alvarado Sischo Seward	Step 6.4, Step 6.4.1
	Update responsibility of EP			Step 6.7.1.2, Step 6.7.1.6
	Add Reference to SO123-XV-ERO-1			Step 2.3.9
202662213	Update reference from SO123-XXI-TPD-GET to SO23-XXI-TRN			Step 2.3.6, Step 6.2.1
202431538	Remove reference to ERP Report which is no longer generated.			Step 6.4.1
202606788	Update Respirator Qualification requirements.		Sischo Alvarado	Attachment 1
Comments	Revise step regarding "scheduled for training" IAW SO123-XV-13.		Sischo Alvarado	Step 6.4.1.1
	Make "Complying with" SO123-XV-13 a substep.			Step 6.4.1.2



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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
Dan Cleavenger



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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).

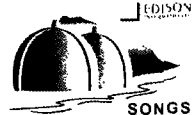
2.0 **RESPONSIBILITIES**

- 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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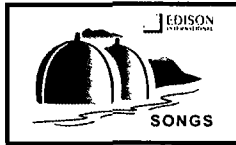
5.0 **PREREQUISITES**

- 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



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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.

REFERENCE USE



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NOTES

1. The Blue Phone is the primary circuit to contact CAL OES. If the Blue phone is inoperable, then CAL OES' 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



Emergency Notifications

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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.



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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 OES. **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
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SAMPLE

REF: SO123-VIII-30.7

VERBAL NOTIFICATION FORM

Message # <input type="text"/>	Prepared by: <input type="text"/>	Independently Verified by: <input type="text"/>	EC Approved by: <input type="text"/>
1.0 Log Notifications: 1. Notify ERO OR <input type="checkbox"/> Recall ERO (Enter Time Recall Initiated or Enter "N/A" if Recall Completed) <input type="text"/> (Enter Time or N/A) 2. Initiate Verbal Message a. Contact CAL OES by Blue Phone or All Number (916) 845-8911 b. Dial YPS 91 all call <input type="text"/> (Enter VNF Start Time)			Contact these four 24/7 stations for all Offsite Notifications (Ref. SO123-VIII-30.7, Step 6.2.3.2) 23 USMC DISPATCH Alt (760) 725-5061 FAX (760) 725-5894 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No
2.0 Read for ALL Messages: "This is <input type="checkbox"/> a Drill <input type="checkbox"/> an Emergency" "This is San Onofre Nuclear Generating Station." A(n) <input type="checkbox"/> Notification of Unusual Event <input type="checkbox"/> has been declared at Alert <input type="checkbox"/> is in progress since Site Area Emergency <input type="checkbox"/> has been closed out at General Emergency <input type="text"/> (Enter Time Declared)			27 O/C COMM CTR Alt (714) 628-7008 FAX (714) 628-7198 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No 29 State Parks Dispatch Alt (951) 943-1582 Fax (951) 443-1059 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No
3.0 Read for Classification/PAR/Release Status Changes: "Consult Event Code <input type="text"/> in your Manual of Emergency Events." (Enter EAL) "The wind is from: <input type="text"/> Degrees at: <input type="text"/> MPH." (Use 10m 15 min average Met Data if available) "The Protective Action Recommendation (PAR) <input type="checkbox"/> is as follows: <input type="checkbox"/> was upgraded at: <input type="text"/> to: <input type="text"/> (Enter PAR Time) (EAM: Review SO123-VIII-10.3 for PARs. Multiple choices are allowed.) <input type="checkbox"/> None Required <input type="checkbox"/> Evacuate State Beach within PAZ 1 immediately adjacent to SONGS <input type="checkbox"/> Shelter PAZ(s) <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> Evacuate PAZ(s) <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> Ingest KI PAZ(s) <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 "There <input type="checkbox"/> has not been <input type="checkbox"/> a radioactive release associated with this event." to <input type="checkbox"/> was <input type="checkbox"/> "SONGS <input type="checkbox"/> is activating the <input type="checkbox"/> EOF." <input type="checkbox"/> has activated the <input type="checkbox"/> Alt EOF." <input type="checkbox"/> has not activated the <input type="checkbox"/>			46 SO COUNTY EOC Alt (858) 565-3490 FAX (858) 565-3499 Duty (858) 688-9970 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> 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: <input type="checkbox"/> Yes <input type="checkbox"/> No Contact these five EOC stations only if M - F 8:00am - 5:00pm OR EOCs are activated (Ref. SO123-VIII-30.7, Step 6.2.3.3) 24 St Parks EOC Alt (949) 366-6522 FAX (949) 492-8412 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No
4.0 Read only on YPS for Class/PAR/Release Status Changes: (Log time done reading VNF Msg to YPS Stations) <input type="text"/> "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) <input type="text"/> (Enter VNF Done Time)			25 San Clemente EOC Alt (949) 361-6149 FAX (949) 361-8234 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No
5.0 Read for ALL Messages: Prepare to receive printed message # <input type="text"/> in a few minutes." <input type="checkbox"/> "Printed message # <input type="text"/> will not be transmitted." "This is <input type="checkbox"/> a Drill <input type="checkbox"/> an Emergency" "This message is complete, San Onofre is Clear."			26 San Juan Cap. Alt (949) 234-4565 FAX (949) 234-4566 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No 28 O/C EOC Alt (714) 628-7061 FAX (714) 628-7182 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No
6.0 FAX Printed Message to: All YPS Stations and CAL OES: (916) 845-8910 <input type="text"/> (Log time ENF message Fax was initiated) <input type="text"/> (Enter FAX Start Time)			34 Dana Point EOC Alt (949) 234-2800 FAX (949) 234-2820 Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No

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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.



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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 OES and all YPS stations.
Enter "N/A" if ENF was superseded by a new verbal message.

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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

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.



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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:

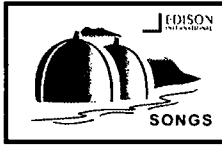
"This is ☐ a Drill

☐ 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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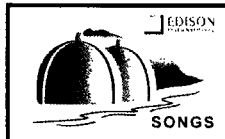
Emergency Recall Activation

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:

1. **Open** the Edison International Portal.
2. **Type** "wmg.sce.com" in the Address bar.
3. **Click** on WMG Failsafe Group/Employee Search Interface.
4. **Notify** ERO minimum staff as follows:
 - a. **type** "SONGS ERO MIN STAFF" in the "Search For" box.
 - b. **Click** in the "Click here to page" link for SONGS ERO MIN STAFF. A new window will appear.
 - c. **Type** your email address in the "From" box.
 - d. **Type** an appropriate subject or leave blank in the "Subject" box.
 - e. **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, , Seismic Event, etc. Report to ERFs)"
 - (2) "Disregard inadvertent pager activation, no response is required."
 - (3) "Report staging area and wait further instructions."
 - (4) "Report to the EOF/E-50."
 - f. **Click** on "Send" box. A window confirmation will appear.

(continued on next page)



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Emergency Recall Activation

Attachment 2

- g. Click on "Click here to send another message" link.
- h. Type "SONGS ERO CRAFT" in the "Search For" box.
- i. **Click** in the "Click here to page" link for SONGS ERO CRAFT. A new window will appear.
- j. **Type** in your email address in the "From" box.
- k. **Type** an appropriate subject or leave blank in the "Subject" box.
- l. **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, Seismic Event, etc. Report to OSC)"
 - (2) "Disregard inadvertent pager activation, no response is required."
 - (3) "Report to staging area and wait further instructions."
 - (4) "Report to the EOF/E-50."
- m. **Click** on "Send" box. A window confirmation will appear.
- n. **Close** the window.



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Emergency Recall Activation

Attachment 2

Section E Telephone Method: IF the Telephone Method is the method to be used, THEN **ACTIVATE** Group Pagers with a numeric message as follows:

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.



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Emergency Recall Activation

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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.



Emergency Notifications

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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 OR Raddose-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)

- ☐ None
- (8) ☐ Evacuate State Beach within PAZ 1 immediately adjacent to SONGS
- | | | | | | |
|---|-------|-------|-------|-------|-------|
| <input type="checkbox"/> Shelter PAZ(s) | [] 1 | [] 3 | [] 4 | [] 5 | |
| <input type="checkbox"/> Evacuate PAZ(s) | [] 1 | [] 2 | [] 3 | [] 4 | [] 5 |
| <input type="checkbox"/> 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.

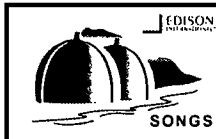
The event-related radiation dose:

- ☐ is measurable at the Exclusion Area Boundary.
- ☐ is not measurable at the Exclusion Area Boundary.

The release:

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> is | <input type="checkbox"/> land. |
| <input type="checkbox"/> was to the | <input type="checkbox"/> atmosphere. (Multiple choice allowed) |
| | <input type="checkbox"/> ocean. |

FACSIMILE



Emergency Notifications

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Event Notification Form & Key Points

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EVENT NOTIFICATION FORM (Continued)

This is ☐ a Drill. ☐ an Emergency. Message No. _____

Dose Rate Projections/Measurements: ...(Use when information is available and EOF ODAC 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



Emergency Notifications

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Event Notification Form & Key Points

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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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(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

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(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.

	<h1>Emergency Notifications</h1>	SO123-VIII-30.7 REV: 18
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Summary of Changes	Attachment 4
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Author: C J SCHMITT/L SISCHO

NN, Order, or Other Action	Description of Change	Reviewer	50.59	Step, Section, Attachment or Page
202704315	Correct Step numbering on EP(123) 11 form Delete NOTE regarding recalling of Minimum and Non-Minimum Staff during an Emergency. Revise methodology of performing the recall to current process. Delete NOTE regarding recalling of Minimum and Non-Minimum Staff during an emergency and delete notification of Non-Minimum Staff	Alvarado Sischo Seward	DNA	Att 1 Att 2, Section D NOTE Att 2, Section D Step 1. Att 2 Section E NOTE and Step 2
Betterment	Update Procedure Owner			Cover Page
Comments	Update Cal EMA to CAL OES			NOTE 1 at Step 6.2.2, Step 6.4.5.1; Att 1 Keypoint 18

Attachment 2

SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EIPs) 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	18		EMERGENCY PLAN DRILLS AND EXERCISES
SO123-VIII-0.201	27		EMERGENCY PLAN EQUIPMENT SURVEILLANCE PROGRAM (EPESP)
SO123-VIII-0.202	12		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-10.3	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	2		EMERGENCY RESPONSE ORGANIZATION
SO123-VIII-EOF	2		EMERGENCYRESPONSE ORGANIZATION (ERO) EMERGENCY OPERATIONS FACILITY POSITION CHECKLISTS

SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
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	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	30	EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION
EPSPD-1	6	EMERGENCY ACTION LEVEL TECHNICAL BASES
EPSPD-1 1.0	2	SECTION 1.0 - PURPOSE
EPSPD-1 2.0	3	SECTION 2.0 - DISCUSSION
EPSPD-1 3.0	3	SECTION 3.0 - REFERENCES
EPSPD-1 4.0	5	SECTION 4.0 - DEFINITIONS, ACRONYMS AND ABBREVIATIONS
EPSPD-1 5.0	2	SECTION 5.0 - EAL TECHNICAL BASES
EPSPD-1 5.1	4	SECTION 5.1 - CATEGORY A -ABNORMAL RAD LEVELS / RADIOLOGICAL EFFLUENT
EPSPD-1 5.2	4	SECTION 5.2 - CATEGORY C - COLD SHUTDOWN / REFUELING SYSTEM MALFUNCTION
EPSPD-1 5.3	3	SECTION 5.3 - CATEGORY E - EVENTS RELATED TO INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS
EPSPD-1 5.4	5	SECTION 5.4 - CATEGORY F - FISSION PRODUCT BARRIER DEGRADATION
EPSPD-1 5.5	5	SECTION 5.5 - CATEGORY H - HAZARDS AND OTHER CONDITIONS AFFECTING PLANT SAFETY
EPSPD-1 5.6	6	SECTION 5.6 - CATEGORY S - SYSTEM MALFUNCTION

Attachment 4

Reports and Analysis Summaries of SONGS Emergency Plan Implementing Procedures Changes for procedures

SO123-VIII-40.200, Revision 8, RADDPOSE-V Dose Assessment

SO123-VIII-0.202, Revision 12, Assignment of Emergency Response Personnel

SO123-VIII-30.7, Revision 18, Emergency Notifications

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-40.200 Revision 8
Title: Raddose-V Dose Assessment
SONGS Nuclear Notification (NN) #: 202632147 and 202624875

Section and Change Description	Analysis Summary
<p>Change 1 Revise step 6.1.11.1 to use the current date and time for the reactor trip versus a default value.</p> <p>Change 2 Removed note in step 6.1.11 referring to the time entered for reactor trip when there is a release without reactor trip.</p> <p>Change 3 Moved note from step 6.1.12 to step 6.1.11 referring to the restart of DACS. Reworded this note to ensure DACS is restarted when a new reactor trip time or radiological release time is inputted, and for all operators in control or slave mode to log off prior to restart DACS.</p> <p>Change 4 Reworded note prior to step 6.8.1 to clarify how to reset the control/slave mode when shutting down the system.</p>	<p>Change 1 This improves operation of the Raddose-V computer code. Updates to the software defaults resulted in software lockup when using the default date and time under certain conditions.</p> <p>Change 2 Note is no longer applicable due to Change 1.</p> <p>Change 3 Relocated information regarding date and time consistent with Change 1. Also, incorporated improvement in computer code operation for the control/slave mode when logging off.</p> <p>Change 4 This change improves operation of the Raddose-V computer code. Provides additional information on resetting the modes of operation to prevent software lockup.</p> <p>Summary Assessment The changes to SO123-VIII-40.200 "Raddose-V Dose Assessment", Revision 8 each provide direction to the operators of the dose assessment computer to enhance the functioning of the software. The revisions to the procedure improve the ability of the SONGS Emergency Response Organization to assess and accurately calculate the impact of radiological releases in a timely manner. This assessment determines that the changes do not decrease the effectiveness of the Emergency Plan.</p>

PREPARED BY: Kevin Flynn

REVIEWED BY: Dan Cleavenger

DATE: 01/31/14

DATE: 2-3-14

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)**

Document Number: SO123-VIII-0.202, Rev 12 Title: Assignment of Emergency Response Personnel SONGS Nuclear Notification (NN) #: 202645301, 202662213, 202431538, 202606788.	
Section and Change Description	Analysis Summary
<p>Change 1 Editorial changes were made throughout this procedure.</p> <p>Change 2 Add information and clarity throughout the procedure</p> <p>Change 3 Remove duplicative or incorrect information throughout the procedure</p> <p>Change 4 Attachment 1, updated requirements for respirator qualification of Emergency Response Personnel</p>	<p>Change 1 Editorial changes are defined in SO123-XV-109.1, Attachment 5, and do not cause a Reduction in Effectiveness to the SONGS Emergency Plan.</p> <p>Change 2 These changes add information for clarity and improved task performance, and therefore these changes do not cause a reduction in effectiveness to the SONGS Emergency Plan.</p> <p>Change 3 These changes remove duplicate or incorrect information contained in the procedure. Procedural information is corrected and not lost, and therefore these changes do not cause a reduction in effectiveness to the SONGS Emergency Plan.</p> <p>Change 4 Attachment was revised to reflect current emergency response position assignments, and to change percent of chemistry technicians SCBA requirement to 25%.</p> <p>The closest applicable references are: 10CFR50.47 b (11) means for controlling radiological exposures, in an emergency, are established for emergency workers. The means for controlling radiological exposures shall include exposure guidelines consistent with EPA Emergency Worker and Lifesaving Activity Protective Action Guides. EPA 400, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents Section 1.1 Nuclear Incident Phases and Protective Actions: "... although the use of simple, ad hoc respiratory protection may be applicable for supplementary protection in some circumstances, this protective action is primarily for use by emergency workers." Section 2.5 Guidance for Controlling Doses to Workers under Emergency Conditions: "Some workers performing emergency services will have little or no health physics training, so dose minimization through use of protective equipment cannot always be assumed. However, the use of respiratory protective equipment can reduce dose from inhalation..." Emergency Plan section 6.3.1.7: 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.</p> <p>This change maintains an adequate number and percentage of respiratory protection qualified Emergency Response Personnel. The positions removed do not correspond to emergency response personnel in accordance with the Emergency Plan. The means for controlling radiological exposures, in an emergency, are established for emergency workers and include exposure guidelines consistent with EPA. The</p>

San Onofre Nuclear Generating Station
Report and Analysis Summary
10 CFR 50.54(q)(iv)(5)

Document Number: SO123-VIII-30.7, Rev 18 Title: Emergency Notifications SONGS Nuclear Notification (NN) #: 202704315	
Section and Change Description	Analysis Summary
<p>Change 1 Editorial changes were made throughout this procedure.</p> <p>Change 2 Remove duplicative or incorrect information throughout the procedure.</p> <p>Change 3 Attachment 2, section D, Emergency Recall Activation Intranet Method, changed instructions to use WMG Failsafe Group/Employee Search Interface instead of Edison portal group paging.</p>	<p>Change 1 Editorial changes are defined in SO123-XV-109.1, Attachment 5, and do not cause a Reduction in Effectiveness to the SONGS Emergency Plan.</p> <p>Change 2 These changes remove duplicate or incorrect information contained in the procedure. Procedural information is corrected and not lost, and therefore these changes do not cause a reduction in effectiveness to the SONGS Emergency Plan.</p> <p>Change 3 Attachment was revised to change the alternate recall intranet method.</p> <p>The closest applicable references are: 10CFR50.47 b (5) Procedures have been established ... for notification of emergency personnel by all organizations ... 10CFR50.47 b (6) Provisions exist for prompt communications among principal response organizations to emergency personnel ... 10 CFR50 Appendix E, IV. Content of Emergency Plans C. Activation of Emergency Organization 1....The communication steps to be taken to alert or activate emergency personnel under each class of emergency shall be described. NUREG 0654, E. Notification Methods and Procedures 2. Each organization shall establish procedures for alerting, notifying, and mobilizing emergency response personnel. NUREG 0654, F. Emergency Communications 1. ...Each organization shall establish reliable primary and backup means of communication for licensees, local, and State response organizations... Each plan shall include: ...e. provision for alerting or activating emergency personnel in each response organization ...</p> <p>The intranet method is an alternate backup method that will be used if the Primary Recall System method becomes unavailable. The new instructions are an enhancement since the failsafe method is available when the Edison portal is down. The capability and timeliness of the alternate backup systems to promptly notify and recall ERO personnel during an emergency are maintained.</p> <p>This assessment determines that the change does not reduce the capability or timeliness to perform emergency recall notifications via the alternate backup method. This change does not reduce the effectiveness of the SONGS Emergency Plan. The Emergency Plans continues to protect the health and safety of the public and SONGS personnel.</p>
PREPARED BY: Lucia Sischo	REVIEWED BY: Dan Cleavenger
DATE: 2/13/14	DATE: 2/13/14

Refer to SO123-XV-109.1, Processing Procedures and Instructions for the types of allowed editorial corrections.