

10 CFR 50, Appendix E, Section V

May 7, 2013

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
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 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 documents:

<b>Procedure</b>	<b>Rev.</b>	<b>Effective Date</b>
SO123-VIII-0.100 "MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS"	17	April 12, 2013
SO123-VIII-0.101 "EMERGENCY RESPONSE EQUIPMENT MANAGEMENT"	0	April 8, 2013
SO123-VIII-60 "SECURITY LEADER DUTIES"	25	April 9, 2013
SO123-VIII-60.1 "OSC SECURITY COORDINATOR DUTIES"	22	April 9, 2013
SO123-XXI-1.11.3 "EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION"	28	April 16, 2013

For your convenience, Attachment 2 provides an updated index listing titles, revisions, and editorial corrections (ECs) of the SONGS Emergency Plan Implementing Procedures. 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.

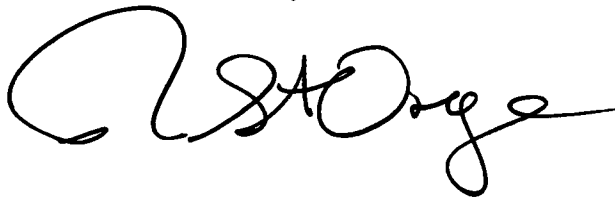
AX 45  
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NRR  
NMSS

As specified in 10 CFR 50.54(q)(iv)(5), Attachment 4 provides a report and analysis summary. These changes do not reduce the effectiveness of the Emergency Plan or the Emergency Plan Implementing Procedures.

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

If you have any questions, please contact, Emergency Planning Manager, Ms. Deborah J. Lindbeck, at (949) 368-6643.

Sincerely,

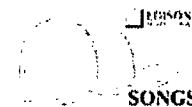
A handwritten signature in black ink, appearing to read 'A. T. Howell III', with a large, stylized initial 'A' and a long, sweeping horizontal stroke at the end.

Attachments: 1. Revised Emergency Plan Implementing Procedures  
2. SONGS Emergency Plan Implementing Procedures (EPIPs) Index  
3. SONGS Emergency Plan Referenced Manuals, Orders and Training Procedures Index  
4. Report and Analysis Summary

cc: Emergency Response Coordinator, NRC Region IV (2 copies of Attachment 1)  
A. T. Howell III, Regional Administrator, NRC Region IV  
R. Hall, NRC Project Manager, SONGS Units 2 and 3  
B. Benney, NRC Project Manager, SONGS Units 2 and 3  
G. G. Warnick, NRC Senior Resident Inspector, SONGS Units 2 and 3

**Attachment 1**

**REVISED EMERGENCY PLAN IMPLEMENTING PROCEDURES**

**MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS**

Procedure Usage Requirements		Sections
Reference Use	<ul style="list-style-type: none"><li>• Review and understand the procedure before performing any steps.</li><li>• Have a copy of the procedure or applicable pages/sections available at the work site.</li><li>• Use Placekeeping method according to SO123-XV-HU-3.</li><li>• If any portion of the procedure is performed from memory, do so in the sequence specified in the procedure. Perform each step as written, except when the procedure or approved processes specifically allow deviation.</li><li>• Refer to the procedure at least once to complete the task in accordance with the requirements.</li><li>• Review the document at the completion of the task to verify that all appropriate steps are performed and documented.</li></ul>	ALL

QA Program Affecting

50.59 DNA / 72.48 DNA / RX DNA

Procedure Owner

**Larry McCann**



## MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS

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**NOTE**

Steps in this procedure may be performed in any order as long as the intent is not changed.

**6.0 PROCEDURE**

**6.1 10CFR50.54(q) Qualification**

**6.1.1 10CFR50.54(q) Evaluator Qualification [CAPR 201135750-CA0008]**

6.1.1.1 Personnel preparing or reviewing EP Licensing Document Impact Screenings and 10CFR50.54(q) Evaluations shall have completed training per 5054SE "Performing Effective 50.54(q) Evaluations" and 54QQWT "Emergency Plan and Procedure 50.54(q) Revision Qualification Walkthrough."

6.1.1.2 54QQWT requires a retraining frequency of every two calendar years to maintain qualification. IF 54QQWT training expires, THEN initial training must be repeated using 5054SE and 54QQWT to requalify as a 50.54(q) Evaluator.

6.1.1.3 **ENSURE** that qualified 10CFR50.54 (q) evaluators are briefed by the procedure author on changes to 10CFR50.54(q) rules, forms, procedures, and processes.

6.1.1.3.1 **DOCUMENT** brief by submitting an attendance form to the records office.

**6.1.2 Preparer/Reviewer Expertise Limits**

6.1.2.1 WHEN scope of EP Licensing Document Impact Screening or 10CFR50.54(q) Evaluation extends beyond expertise of preparer or reviewer, THEN request assistance via the Manager, EP from other appropriately qualified personnel.

**NOTE**

Forms EP(123) 22, "EP Licensing Document Impact Screening," and EP(123) 23, "10CFR 50.54(q) Evaluation ", are intended for use as electronic equivalent forms. It is expected the forms will be expanded to contain required information. If an electronic equivalent form is not available, additional sheets may be added.

6.1.3 Plant Maintenance (PM) [Emergency Plan Evaluation (N-EPE) assignment type] shall be used to perform EP Licensing Document Impact Screenings and 10CFR50.54(q) Evaluations unless the Notification system is not available.

6.1.4 IF Notification system is **NOT** available, THEN use hard copy Forms EP(123) 22 and EP(123) 23 in accordance with this procedure.

6.1.4.1 Preparer/Reviewer shall ensure any EP Licensing Document Impact Screenings or 10CFR50.54(q) Evaluations prepared on Forms EP(123) 22 or EP(123) 23 are entered into an N-EPE Task when the Notification system is available, duplicating content exactly.

**REFERENCE USE**

- 6.1.4.2 Entry of Form EP(123) 22 or EP(123) 23 content into the Notification system should be accomplished within 14 calendar days of the Notification system return to availability.

END OF SECTION

## 6.2 **Document Change Precursors**

- 6.2.1 Emergency Planning document changes may be initiated in response to:
- 6.2.1.1 New Rules - When directed by the NRC
  - 6.2.1.2 Engineering Change Package (NECP)/Engineering Change Notice (ECN) - When identified as part of a NECP/ECN
  - 6.2.1.3 Audit **OR** Review - When identified during annual review in accordance with SONGS Topical Quality Assurance Manual, Chapter 1-A, Section 9.7
  - 6.2.1.4 Nuclear Regulatory Affairs **OR** NRC Inspection/ Review - When identified during an inspection or audit
  - 6.2.1.5 NRC Bulletin, Regulatory Issue Summary, etc. - When guidance is determined to be applicable to SONGS Emergency Plan
  - 6.2.1.6 Operating Experience (OE) - When OE is determined to be applicable to SONGS Emergency Plan
  - 6.2.1.7 Security Contingency Plan (SCP), Dose Assessment, Emergency Operating Procedures (EOs) and Technical Specification (TS) changes that can impact the Emergency Plan or Recognition and Classification of Emergencies Procedure and Emergency Action Level (EAL) Technical Bases document.
- 6.2.2 IF upon identification **AND** review of these precursors **OR** other possible change initiatives the Manager, EP or designee determines there may be a resulting impact to the Emergency Planning Program, **THEN INITIATE** a Notification to EP to evaluate whether the precursor requires further action.

END OF SECTION

### 6.3 **Document Revision Preparation**

- 6.3.1 **REVISE** Emergency Planning Document as follows:
  - 6.3.1.1 **INITIATE** a Notification to track the draft revision development.
  - 6.3.1.2 **CREATE** a "Description of Change(s)" document per SO123-XV-109.1.
  - 6.3.1.3 **REQUEST** an EP Staff peer check prior to sending document changes to Site Procedures Group for processing and formal review per EP(123) 21.
  - 6.3.1.4 **CHECK** for open EP Notifications for inclusion in the new revision.

#### **NOTE**

E-Plan, MOEE, SO123-VIII-1 and EPSPD-1 require independent review via Form EP(123) 20 [or Form PF(123) 109 for SO123-VIII-1].

- 6.3.2 **INITIATE** a PF(123) 109 [or Form EP(123) 20] draft document independent review package via Site Procedures Group as follows:
  - 6.3.2.1 **PROVIDE** the document name, NN#, revision number, date, summary of changes, originator, contact number, **AND** reason for review.
  - 6.3.2.2 **ENTER** the name/organization of the contact requested to review proposed change based on the specific change(s) and the individual's expertise.
  - 6.3.2.3 **ENTER** a date for all comments to be returned to originator for comment resolution.

END OF SECTION

3.2 10CFR50.54(q) Responsibilities

3.2.1 Preparers of EP Licensing Document Impact Screenings and 10CFR50.54(q) Evaluations are responsible for:

3.2.1.1 Ensuring qualification requirements in Step 6.1.1 are met.

3.2.1.2 Ensuring EP Licensing Document Impact Screening/50.54(q) Evaluation Task is completed and screen/ evaluation is performed in accordance with this procedure.

3.2.1.3 Having adequate expertise in technical or administrative matters related to activity being addressed. (Refer to Step 6.1.2)

3.2.2 Reviewers of EP Licensing Document Impact Screenings and 10CFR50.54(q) Evaluations are responsible for:

3.2.2.1 Ensuring qualification requirements in Step 6.1.1 are met.

3.2.2.2 Ensuring Task is completed and change assessment is performed in accordance with this procedure.

3.2.2.3 Having adequate expertise in technical or administrative matters related to activity being addressed. (Refer to Step 6.1.2)

3.2.2.4 Taking equal responsibility with preparer for results and conclusions of the change assessment being performed.

#### 4.0 **PRECAUTIONS / LIMITATIONS**

##### 4.1 **Precautions**

- 4.1.1 Use SO123-XV-51, Site Program Impact (SPI) Assessment and Resolution when making changes to the Emergency Plan, Emergency Action Levels (EALs), EPSD-1 EAL Technical Bases, or emergency facilities and equipment to determine if there is an impact to the EPIPS or other SONGS division programs or procedures.

##### 4.2 **Limitations**

- 4.2.1 None

#### 5.0 **PREREQUISITES / INITIAL CONDITIONS**

##### 5.1 **Prerequisites**

- 5.1.1 **VERIFY** this document is current by using one of the methods described in SO123-XV-HU-3.
- 5.1.2 **VERIFY** Level of Use requirements on the first page of this procedure.

##### 5.2 **Initial Conditions**

- 5.2.1 None

## **MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS**

### **1.0 PURPOSE**

#### **1.1 Provide guidance for maintenance and control of the following:**

- Emergency Plan (E-Plan),
- Recognition and Classification of Emergencies (SO123-VIII-1),
- Emergency Action Level (EAL) Technical Bases (EPSD-1),
- Manual of Emergency Events (MOEE),
- E-Plan Implementing Procedures (EPIPs),
- E-Plan Forms,
- Radiation Monitor Setpoint Transmittal,
- Letters of Agreement,
- Emergency Response Organization (ERO) Training Codes,
- Respirator Qualifications,
- Recall Roster Data Review,
- CDM E-Plan and MOEE Distribution Matrix,
- Drill Matrix,
- Emergency Planning (EP) Council Meeting Record,
- Pending Emergency Response Personnel (ERP) Responders Report,
- 10CFR50.54(q) Qualifications and Responsibilities

#### **1.2 Provide a means of evaluating compensatory measures for emergency response equipment and facilities in accordance with SO123-VIII-0.101.**

#### **1.3 This procedure includes Improved Technical Specifications [ITS] information that is NOT applicable to Current Technical Specifications [CTS] and [CTS] information that is NOT applicable in [ITS]. The [CTS] information shall be used prior to the [ITS] effective date. The [ITS] information shall be used on or after the [ITS] effective date.**

### **2.0 SCOPE**

#### **2.1 To ensure that changes to Emergency Plan related regulatory documents required by the sixteen Planning Standards in 10CFR50.47(b) and 10CFR50 Appendix E, and the equipment and facilities described in those documents, are maintained in accordance with 10CFR and 50.54(q) to prevent a reduction in the effectiveness of the Emergency Plan.**

### **3.0 RESPONSIBILITIES**

#### **3.1 General Responsibilities**

- 3.1.1 Manager, Emergency Planning (EP), has overall responsibility for maintenance and control of EP documents, and for coordinating all reviews and changes to EP documents as specified in this procedure.

## **REFERENCE USE**



## 6.5 **Emergency Action Level (EAL) Change Review Process**

- 6.5.1 IF SO123-VIII-1, Recognition and Classification of Emergencies, OR EPSPD-1 Emergency Action Level (EAL) Technical Bases are NOT being changed, THEN GO TO Step 6.6.
- 6.5.2 Initial EALs require review AND agreement with the State and local jurisdictions. Subsequent EAL changes do NOT require agreement but shall be reviewed with the State and local jurisdictions once per year. **DOCUMENT** review in Offsite Inter-jurisdictional Planning Committee (IPC) meeting minutes.
- 6.5.3 **EVALUATE** for differences OR deviations per RIS 2003-18 Supplement 2. [201135750-CA0005]
- 6.5.3.1 **DOCUMENT** any difference where a proposed EAL change differs in wording but agrees in meaning AND intent with the NRC approved EAL such that the classification of an event would remain the same using the proposed EAL.
- 6.5.3.2 **FLAG** a deviation as a Reduction in Effectiveness (RIE) for an EAL change where the proposed wording alters the meaning OR intent, such that classification of the event could be different than the NRC approved site-specific EAL per Step 6.6.
- 6.5.4 **REVIEW** MOEE per Step 6.10 to determine if a revision is warranted when a change to EALs occurs.
- 6.5.5 **INCLUDE** designated reviewers as directed by Manager, EP or designee, to conduct a technical review of the EAL changes. Designated reviewers should include personnel from affected cognizant organizations to perform the following verifications, and 10CFR50.54(q) evaluation.
- 6.5.5.1 **PERFORM** a technical review of proposed changes against the NRC approved Emergency Action Level Technical Bases AND the most recent NRC issued Safety Evaluation Report (SER) applying to the EAL to ensure compliance.
- 6.5.5.2 **PERFORM** validation to ensure the EAL change can be implemented in a timely manner consistent with the NRC approved EAL. Examples of validation methods are as follows:
- **EVALUATE** availability of information to assess, classify, and declare an emergency condition within 15 minutes of detecting indications that an EAL has been exceeded.
  - IF conditions permit, THEN perform simulator validation of proposed EAL change(s) prior to issuance of EPIP SO123-VIII-1.
  - **PERFORM** a field verification that EAL instrument range and scale changes can actually be obtained in the field prior to issuance of EPIP SO123-VIII-1.
- 6.5.6 **RESOLVE** EAL comments AND PREPARE the file containing the draft document revision, description of changes AND the PF(123) 109 OR EP(123) 20 package for 50.54(q) Screening and Evaluation.

END OF SECTION

6.6 **50.54(q) Screening and Evaluation**

**NOTE**

The 50.54(q) evaluation is a two-factor test. The first factor is met if the emergency plan capability exceeds the regulations; but the second factor must consider whether the change is a reduction in plan effectiveness. The "margin" of the E-Plan requirement compared to the regulation does **NOT** have a role in whether the capability of the plan is reduced when compared to the approved NRC Safety Evaluation Report (SER).

- 6.6.1 **PERFORM** an evaluation of the proposed change by assigning an N-EPE Task to the Notification. Include the summary of change, the change bases, and determine if the change requires prior NRC approval. If SAP is temporarily unavailable, Forms EP(123) 22 and EP(123) 23 shall be used in lieu of the N-EPE.
- 6.6.1.1 **DETERMINE** the overall impact of proposed changes on the effectiveness of the emergency plan or its implementation during the 50.54(q) Evaluation. A RIE will occur if there is a change or reduction in an emergency planning function without a commensurate reduction or change in the licensing bases for that emergency planning function.
- 6.6.2 **EVALUATE** the change for the RIE determination from the most recent NRC issued SER against the capability to perform the functions as follows: **[201135750-CA0005]**
- 6.6.2.1 **DETERMINE** whether the capability or timeliness to perform a function is lost or degraded.
- 6.6.2.2 **VERIFY** that the change(s) continue to meet the standards and requirements as set forth in 10 CFR 50.47(b) and Appendix E to Part 50.
- 6.6.2.3 **DETERMINE** if a change in the number of minimum staff positions (additions or deletions) per E-Plan Table 5-5, may affect the ability to achieve timely ERO augmentation upon recall activation based on the INPO Industry Event Report (IER) 11-39, recommendation 3b. (201809145-CA0005)
- 6.6.2.4 **PREPARE** a Summary of Analysis, Form EP(123) 26, for the NRA 30 day submittal letter per NRA Objective Evidence File (OEF) requirements. (202066759-CA0004)

## 6.4 **Document Level of Review and Approval**

- 6.4.1 Changes to the following documents require increased review and approval using EP(123) 20 Emergency Planning Document Review Sheet [or Form PF(123) 109 for SO123-VIII-1]: **[CAPR 201135750-CA0008]**
- SONGS Emergency Plan
  - SO123-VIII-1, Classification and Recognition of Emergencies
  - EPSD-1 Emergency Action Level (EAL) Technical Bases
  - Manual of Emergency Events (MOEE)
- 6.4.1.1 IF the change to documents listed in Step 6.4.1 is editorial per SO123-XV-109.1, THEN the review and approval requires EP(123) 20 [or Form PF(123) 109] Final Document Approval signatures only, OTHERWISE, the following additional review shall be included:
- Nuclear Regulatory Affairs (NRA) compliance review (per Step 6.4.3)
  - Independent Organization Technical Review (per Step 6.4.2)
  - Independent 50.54(q) Evaluation (per Step 6.4.2)
  - Onsite Review Committee (OSRC) Review (per Step 6.6.3.1.1)
- 6.4.1.2 Form EP(123) 20 [or Form PF(123) 109] final document approvals are completed in Step 6.6.3.1 following 50.54(q) evaluation **AND** comment resolution.
- 6.4.2 A technical change to documents listed in Emergency Plan Appendix E require a minimum of one independent technical review on the PF(123) 109 [or Form EP(123) 20] form **AND** a 50.54(q) Screening and Evaluation with an independent evaluation.
- 6.4.3 A technical change to documents listed in Step 6.4.1 require an NRA Compliance Review on PF(123) 109 [or Form EP(123) 20].
- 6.4.4 A change to lower-tiered documents **NOT** listed in Emergency Plan Appendix E does **NOT** normally require a 50.54(q) review but should be documented in a notification.
- IF an Emergency Plan requirement is removed from the Emergency Plan **AND** relocated to a lower tiered document, THEN the lower tiered document must be reviewed in accordance with 50.54(q). In this case, the lower tiered document now contains the Emergency Plan license requirement **AND** should be listed in Emergency Plan Appendix E.
  - IF a change is made to Emergency Plan equipment that impacts requirements listed in 10CFR50.47(b) **OR** 10CFR50 Appendix E, THEN a 50.54(q) screening is required.
- 6.4.5 **RESOLVE** reviewer comments **AND** **PREPARE** the file containing the draft document revision, description of changes **AND** the PF(123) 109 or EP(123) 20 package for 50.54(q) Screening and Evaluation.

END OF SECTION

REFERENCE USE

- 6.6.3 **PERFORM** a 50.54(q) Evaluation for revisions to the following licensing documents that require Manager, EP approval plus final review and approval per Step 6.6.3.1:  
**[CAPR 201135750-CA0008]**
- SONGS Emergency Plan
  - SO123-VIII-1 Recognition and Classifications of Emergencies
  - EPSD-1 Emergency Action Level Technical Bases
  - Manual of Emergency Events (MOEE)
- 6.6.3.1 Final Document Approval shall be obtained as indicated on Form EP(123) 20 [or Form PF(123) 109 for SO123-VIII-1] from the Director, Nuclear Regulatory Affairs (or designee) and the Vice President and Station Manager (or designee).
- 6.6.3.1.1 For technical changes, **OBTAIN** Onsite Review Committee (OSRC) approval.
- 6.6.3.2 IF it is determined that prior NRC approval is required to make the change, THEN **GO TO** Step 6.6.5.
- 6.6.4 A Change to documents listed in Emergency Plan Appendix E require an independent EP Staff review of the 50.54(q) Screening and Evaluation prior to approval by the Manager, EP.
- 6.6.4.1 A Change to lower-tiered documents, forms, facilities and equipment **NOT** listed in Emergency Plan Appendix E do **NOT** require a 50.54(q) Screening/Evaluation.
- 6.6.4.2 **OBTAIN** final review and approval for PF(123) 109 or EP(123) 20 package revisions under 50.54(q) authorization and go to Step 6.7.
- 6.6.5 IF a proposed change is not authorized under 50.54(q) due to one of the following:
- Not in compliance with 10CFR50.47(b) or 10CFR50 Appendix E, or
  - Identified as a reduction in effectiveness (RIE), or
  - The evaluation does not support 10CFR50.54(q) approval or is otherwise in doubt,
- THEN proceed as follows, OTHERWISE go to Step 6.7: **[201135750-CA0005]**
- 6.6.5.1 IF 50.54(q) evaluation determines the change is **NOT** authorized without prior NRC approval, THEN a complete markup copy shall be submitted through Nuclear Regulatory Affairs to determine whether station management supports submitting a license amendment for the change in accordance with 10CFR50.90.

- 6.6.5.2 IF plant management supports the processing of the change as a license amendment, THEN, in addition to the filing requirements of 10CFR 50.90 and 50.91, the request must include all emergency plan pages affected by that change and must be accompanied by a forwarding letter identifying the change, the reason for the change, and the basis for requesting NRC prior approval to make a change that cannot be submitted under 50.54(q).
- 6.6.5.3 IF plant management determines the change will **NOT** be submitted as a license amendment, THEN the change will be revised so that it can meet the requirements of 50.54(q) or the change shall not be made.
- 6.6.5.4 IF the NRC grants prior approval of the requested change accompanied by a Safety Evaluation Report (SER), attach the SER to the Notification, document any further NRC required changes THEN proceed to Step 6.7, OTHERWISE STOP. The change can **NOT** be made as proposed.

END OF SECTION

## 6.7 **Document Issue and Tracking**

- 6.7.1 **IF** the revision is to the Emergency Plan, or MOEE, **THEN SUBMIT** a clean file copy (no strikeout or highlight) to the Document Control Desk for distribution to the Offsite Agencies per the CDM Distribution Matrix.
- 6.7.2 **ISSUE** all other documents, forms and procedures via the CDM process.
- 6.7.3 **COMMUNICATE** changes of Emergency Planning documents to affected ERO personnel via an E-mail or Emergency Planning Bulletin (EPB) at the discretion of the document author.
- 6.7.4 **COMMUNICATE** changes to SO123-VIII-0.201, Section 6.10, Community Alert Siren System, and all changes to SO123-XVIII-10 series procedures regarding the offsite Alert and Notification System (ANS) to Computer Engineering, Facilities Management, Telecommunications and Offsite Emergency Planning via individual Nuclear Notifications for their information and review.  
**[CAPR 800407962-0010 and CAPR 200501125-0004]**
- 6.7.4.1 **ASSIGN** a second task on the Notification to Telecom Management to generate a Trouble Ticket for TCC Management to review the associated procedure change notice. **[CAPR 800407962-0010 and CAPR 200501125-0004]**
- 6.7.5 **INITIATE** an N-REG Task to NRA for the 30-day NRC notification requirement from the effective date of the E-Plan or any document listed in E-Plan Appendix E.
- 6.7.5.1 **FORWARD** approved Summary of Analysis documents to NRA for the 30 day Submittal Letter. (202066759-CA0004)
- 6.7.5.2 NRA shall prepare a transmittal letter for EP review **AND SUBMIT** document change(s) to the NRC with the Summary of Analysis within 30 days of issue date by CDM. (202066759-CA0004)

END OF SECTION

6.8 **Emergency Plan Implementing Procedures (EPIPs)**

**NOTE**

EPIPs are procedures which implement policy and requirements contained in the SONGS E-Plan and are listed in E-Plan Appendix E.

- 6.8.1 EPIPs shall be reviewed annually per SONGS E-Plan in accordance with SO123-VI-1.0.2.
- 6.8.2 Emergency Response Facilities (ERF) and Equipment are reviewed per SO123-VIII-0.201 and SO123-VIII-0.301.
- 6.8.3 Research, draft, and submit changes to EPIPs and ERFs to ensure appropriate staff peer review is conducted.
- 6.8.3.1 Prepare and process proposed EPIP or Equipment change packages for Site approval in accordance with Step 6.3.
- 6.8.4 CDM-SONGS shall distribute copies of EPIP changes to Emergency Response Notebooks.

END OF SECTION

## 6.9 **90-Day and 60-Day Exercise Submittals**

- 6.9.1 Prepare 90-Day Exercise Submittal by including the following documents:
- Cover Letter (from Nuclear Regulatory Affairs)
  - Extent of Play
  - Exercise Objectives
- 6.9.2 Complete and attach the most current revision of Form EP(123) 20 to Exercise Submittal package.
- 6.9.2.1 Assign an appropriate reviewer to each section of submittal. Document review and resolve any comments with reviewer.
- 6.9.2.2 Obtain final approval from Manager, EP or designee and Director, NRA or designee.
- 6.9.2.3 Obtain final approval from Director, NRA or designee on submittal letters.
- 6.9.2.4 Provide completed packages to licensing for postmarking on or before due date.
- 6.9.3 Prepare 60-Day Exercise Submittal as follows:
- 6.9.3.1 Assemble submittal by including updated elements listed in Step 6.9.1.
- 6.9.3.2 Contact the NRC and FEMA to determine which of the following sections to include in their respective packages and how many copies of each:
- Radiation Protection (RP) data
  - Plant data
  - Summary
  - Sequence of Events
  - Guidelines for Exercise Conduct
  - Instructions for Exercise Controllers
  - Meteorological Data
  - Rumor Control cue cards
- 6.9.3.3 Repeat Step 6.9.2.

END OF SECTION



**6.10 Manual of Emergency Events (MOEE)**

- 6.10.1 EP shall review the MOEE annually to identify changes to be incorporated in the next revision.
- 6.10.1.1 Track pending changes in the Notification system.
- 6.10.1.2 Document review in Attachment 1.
- 6.10.2 Review MOEE to determine if a revision is warranted when a change to EALs occurs.
- 6.10.3 Changes to the MOEE shall be prepared in accordance with Step 6.3.

END OF SECTION

## **6.11 Review of Emergency Planning Documents**

- 6.11.1 EP shall review E-Plan annually, such that all E-Plan sections are reviewed.
- 6.11.1.1 Document review on Attachment 1.
- 6.11.2 Coordinate E-Plan requirements with Physical Security Plan (PSP) and Safeguards Contingency Plan (SCP) requirements annually.
- 6.11.2.1 Document review on Attachment 11.
- 6.11.3 Manager, EP shall be responsible for Evacuation Time Study and all letters of agreement involving local jurisdictions, including arrangements for medical services, in accordance with SO123-EP-1, SONGS Emergency Plan Implementation.
- 6.11.3.1 Review documentation annually and document review on Attachment 13.
- 6.11.4 Manager, EP shall be responsible for all letters of agreement involving mutual firefighting assistance, INPO, liability insurance, and Nuclear Steam Supply System (NSSS) vendors in E-Plan.
- 6.11.4.1 Review applicable Letters of Agreement annually and document on Attachment 2.
- 6.11.5 Review Radiation Monitor Setpoint Transmittals for gaseous and liquid radiation monitors annually to identify if SO123-VIII-1, Recognition and Classification of Emergencies, needs to be changed.
- 6.11.5.1 A change should be initiated if calibration constant in setpoint transmittal deviates by 20% from constant used to derive declaration values specified in SO123-VIII-1.
- 6.11.5.2 Document review on Attachment 3.
- 6.11.6 Review Emergency Recall positions annually.
- 6.11.6.1 Positions without required number of qualified personnel should be brought to the attention of appropriate management with a request for replacements.
- 6.11.6.2 Document review on Attachment 4.
- 6.11.7 Review ERO Respirator Qualification Report quarterly to ensure minimum requirement is met.
- 6.11.7.1 Document review on Attachment 5.
- 6.11.8 Review SONGS Recall Roster quarterly to ensure recall information (contact numbers) is maintained current.
- 6.11.8.1 Document review on Attachment 6.

- 6.11.9 CDM E-Plan and MOEE Distribution Matrix Review.
  - 6.11.9.1 EP to review CDM EP distribution matrix annually to verify Offsite information; EP to verify Onsite information.
  - 6.11.9.2 Record reviews on Attachment 7.
  - 6.11.9.3 CDM-SONGS shall verify manuals are current periodically in accordance with SO123-VI-28.1.
  - 6.11.9.4 EP shall spot-check five E-Plan manuals annually for current revision and document the check on Attachment 7.
  - 6.11.9.5 E-Plan shall be distributed by CDM-SONGS in accordance with procedure(s).
  - 6.11.9.6 CDM-SONGS shall verify change requests to distribution matrix in accordance with procedure(s).
- 6.11.10 Drill Objective Matrix and Fire Department records review.
  - 6.11.10.1 EP shall evaluate Matrix of Drill Objectives against accomplished objectives prior to end of third quarter, to ensure all required objectives are performed or scheduled within their periodicity.
  - 6.11.10.2 Report any discrepancies to Manager, EP.
  - 6.11.10.3 Document results on Attachment 8.
- 6.11.11 Quarterly Emergency Planning Council meetings shall be documented on Attachment 9 by Manager, EP. (per E-Plan, Section 8.1.6)
- 6.11.12 Review Pending Emergency Response Personnel (ERP) Responders Report monthly to ensure all ERPs are current in their Emergency Response Organization (ERO) training requirements.
  - 6.11.12.1 Send respective section of ERP Report to each Training Coordinator and request them to review it and coordinate with employees and supervisors to ensure that:
    - 6.11.12.1.1 Personnel whose training is expiring in less than 30 days complete it on time.
    - 6.11.12.1.2 Personnel who have expired or assigned training and have not completed it either:
      - complete training ASAP, or
      - the 1410 supervisor submits documentation in accordance with SO123-XV-13 to have the ERP code removed if the person is no longer intended to be qualified for that code.

- 6.11.12.2 Exclude recalled personnel who are not current in their ERP training from Emergency Recall System until required training is completed.
- 6.11.12.3 Complete Attachment 10 and attach reviewed copy of Pending ERP Responders report.
- 6.11.12.4 Submit to the Manager, EP for signature.
- 6.11.13 Review On-Shift ERO Roster Exception Report quarterly to ensure On-Shift requirements are met.
- 6.11.13.1 Document review on Attachment 12.
- 6.11.14 Manager, EP shall be responsible for reviewing the EALs on SO123-VIII-1 with the State and local jurisdictions on an annual basis.
- 6.11.14.1 Document review on Attachment 13.
- 6.11.15 Manager, EP shall be responsible for dissemination to the public within the exposure pathway Emergency Planning Zone (EPZ) of basic emergency planning information on an annual basis.
- 6.11.15.1 Document review on Attachment 13.

END OF SECTION

## 7.0 **ACCEPTANCE / FUNCTIONAL CRITERIA**

7.1 None

## 8.0 **RETENTION / RECORDS**

- 8.1 A history file for E-Plan, EALs, MOEE, and EIPs shall be retained in SAP for five years after the date of each change.
- 8.2 Completed Attachments 5, 6, 10, and 12 shall be sent to CDM-SONGS on a quarterly basis within three months of the end of the quarter.
- 8.3 Completed Attachments 1-4, 7-9 and 11 shall be sent to CDM-SONGS on an annual basis within three months of the end of the calendar year.
- 8.4 Completed copies of attachments used on this procedure shall be retained in EP files for at least three years.

## 9.0 **DEFINITIONS**

9.1 None

## 10.0 **REFERENCES / COMMITMENTS**

### 10.1 **Implementing Reference**

#### 10.1.1 **Procedures**

- 10.1.1.1 SO123-VIII-1, Recognition and Classification of Emergencies
- 10.1.1.2 SO123-XII-18.1, Audit Program
- 10.1.1.3 SO123-XV-50.CAP-1, Writing Nuclear Notifications for Problem Identification and Resolution
- 10.1.1.4 SO123-XXI-1.11.3, Emergency Plan Training Program Description
- 10.1.1.5 SO123-XXIV-10.1, Engineering Design Change Process - NECPs
- 10.1.1.6 SO123-XV-51, Site Program Impact (SPI) Assessment and Resolution
- 10.1.1.7 SO123-XV-HU-3, Written Instruction Use and Adherence
- 10.1.1.8 SO123-VI-1.0.2, Periodic Review of Orders, Procedures and Instructions
- 10.1.1.9 SO123-VI-28.1, Corporate Documentation Management Controlled and Reference Files Distribution, Updating, and Auditing
- 10.1.1.10 SO123-VIII-0.101, Emergency Response Equipment Management

## **REFERENCE USE**

- 10.1.1.11 SO123-VIII-0.200, Emergency Plan Drills and Exercises
- 10.1.1.12 SO123-VIII-0.201, Emergency Plan Equipment Surveillance Program (EPESP)
- 10.1.1.13 SO123-VIII-0.301, Emergency Telecommunications Testing
- 10.1.2 Forms
- 10.1.2.1 PF(123) 109, Routing and Document Control
- 10.1.3 Other
- 10.1.3.1 IER 11-39, Lack of Timely Emergency Response Organization and Emergency Response Facility Activation. Recommendation 3.b: Clearly define emergency response facility activation criteria.
- 10.1.3.2 SO123-EP-1, SONGS Emergency Plan Implementation

## 10.2 Developmental References

- 10.2.1 Commitments
- 10.2.1.1 10CFR50.54(q), 10CFR50.47(b), 10CFR50 Appendix E
- 10.2.1.2 NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response and Preparedness in Support of Nuclear Power Plants
- 10.2.1.3 **[CTS]** Licensee Controlled Specification (LCS) Section 5.0.103  
**[ITS]** Deleted
- 10.2.1.4 Topical Quality Assurance Manual (TQAM) Chapters 2 C and 5 J, Section 7.0
- 10.2.1.5 SONGS Topical Quality Assurance Manual, Chapter 1-A, Section 9.7
- 10.2.1.6 Emergency Plan for San Onofre Nuclear Generating Station (SONGS)
- 10.2.1.7 San Onofre Nuclear Generating Station Manual of Emergency Events
- 10.2.1.8 EPSD-1, Emergency Action Level (EAL) Technical Bases

10.2.2 Corrective Actions

- 10.2.2.1 201135750-CA0005, Incorporate regulatory/industry issued changes that were not previously captured to ensure the 50.54(q) evaluation process prevents a Reduction in Effectiveness (RIE)[Sections 6.5.3, 6.6.2 and 6.6.5]
- 10.2.2.2 201809145-CA0005, Revise SO123-VIII-0100 Maintenance and Control of Emergency Planning Documents to limit and control additions of minimum staffing positions based on the IER 11-39 3.b recommendation.
- 10.2.2.3 202066759-CA0004, Add guidance to SO123-VIII-0.100 on use of summary of analysis form from CA0003 that requires a Summary of Analysis to be submitted to NRC along with the 50.54(q)(5).

10.2.3 Corrective Actions to Prevent Recurrence (CAPR)

- 10.2.3.1 CAPR 800407962-0010, Add steps that require notifications be created to Computer Engineering, Facilities Management, Telecommunications, and Offsite EP to communicate when a revision to the SONGS Emergency Plan or Emergency Plan implementing procedures are made [Section 6.7.4]
- 10.2.3.2 CAPR 201135750-CA0008, Establish EPlan and EAL development, review and approval requirements in SO123-VIII-0.100 [Sections 6.1.1, 6.4.1 and 6.6.3]
- 10.2.3.3 CAPR 200501125-CA0004, Add Steps that Require a Task on the Notification to Telecom Management to Generate a Trouble Ticket for TCC Management to Review the Associated Procedure Change Notice [Steps 6.7.4 and 6.7.4.1]

10.2.4 Procedures

- 10.2.4.1 SO123-XV-109, Procedure and Instruction Format and Content
- 10.2.4.2 SO123-XV-109.1, Processing Procedures and Instructions
- 10.2.4.3 SO123-VI-28, Corporate Documentation Management Control of Nuclear Organization Manuals and Revision-Controlled Document Preparation, Transmittal, and Processing

10.2.5 Other (may be drawings, manuals, etc)

- 10.2.5.1 Form EP(123) 20, Emergency Planning Document Review Sheet
- 10.2.5.2 Form EP(123) 21, EPIP Modification Checklist
- 10.2.5.3 Form EP(123) 22, EP Licensing Document Impact Screening
- 10.2.5.4 Form EP(123) 23, 10CFR50.54(q) Evaluation
- 10.2.5.5 RPA 92-0010, Emergency Plan 50.54(q) Packages
- 10.2.5.6 AR 050501711-02, Licensing Interpretation of 10CFR50 EAL Review

**REFERENCE USE**

- 10.2.5.7 AR 070100476-10, Evaluate Radiation Monitors for OE Potential Problems
- 10.2.5.8 NRC Bulletin 2005-2, Emergency Preparedness and Response Actions for Security Based Events
- 10.2.5.9 NEI 03-12, Generic Security Plan Template
- 10.2.5.10 RIS 2003-18, Supplement 2, Use of Nuclear Energy Institute (NEI) 99-01, Methodology for Development of Emergency Action Levels
- 10.2.5.11 RIS 2005-02, Clarifying the Process for making Emergency Plan Changes
- 10.2.5.12 RIS 2007-01, Clarification of NRC Guidance for Maintaining a Standard Emergency Action Level Scheme.
- 10.2.5.13 Regulatory Guide 1.219, Guidance on Making Changes to Emergency Plans for Nuclear Power Reactors
- 10.2.5.14 SONGS MOEE, Manual of Emergency Events



E-PLAN AND MOEE REVIEW

1.0 Review E-Plan and MOEE annually to ensure documents are current.

1.1. EP review of Emergency Plan has been completed per Step 6.11.1.

**PERFORMED BY:** \_\_\_\_\_  
Emergency Planning Staff

**DATE:** \_\_\_\_\_

1.2. Perform a review of MOEE per Section 6.10.

**PERFORMED BY:** \_\_\_\_\_  
Emergency Planning Staff

**DATE:** \_\_\_\_\_

Comments: \_\_\_\_\_  
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2.0 The E-Plan and MOEE reviews have been reviewed per Sections 6.10 and 6.11.1.

**E-PLAN REVIEW VERIFIED BY:** \_\_\_\_\_  
Emergency Planning Staff

**DATE:** \_\_\_\_\_

**MOEE REVIEW VERIFIED BY:** \_\_\_\_\_  
Emergency Planning Staff

**DATE:** \_\_\_\_\_

**APPROVED BY:** \_\_\_\_\_  
Manager, Emergency Planning

**DATE:** \_\_\_\_\_

E-PLAN LETTERS OF AGREEMENT REVIEW

1.0 Review the following E-Plan letters of agreement annually to ensure documents are current per Step 6.11.4.

1.1. Mutual Firefighting Assistance Agreement has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review was performed and who was contacted): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.2. INPO Emergency Response Assistance Agreement has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review was performed and who was contacted): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.3. Liability Insurance Coverage Agreement has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review was performed and who was contacted): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.4. NSSS Vendor Agreement has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review was performed and who was contacted): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.0 The specified letters of agreement have been reviewed per Step 6.11.4.

**VERIFIED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

**REVIEWED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Manager, Emergency Planning

RADIATION MONITOR SETPOINT TRANSMITTAL REVIEW

- 1.0 Review Radiation Monitors Setpoint Transmittal annually for changes that impact SO123-VIII-1, Recognition and Classification of Emergencies per Step 6.11.5.

Comments: \_\_\_\_\_

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- 2.0 The Setpoint Transmittals for Units 2 and 3 Gas and Liquid Monitors have been reviewed per Step 6.11.5.

PERFORMED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Emergency Planning Staff

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Manager, Emergency Planning

ERO CODES AND DEPTH OF POSITION REVIEW

- 1.0 Review all Emergency Recall positions annually. IF a position does **NOT** contain the required number of qualified responders, THEN request replacements per Section 6.11.6.

Comments: \_\_\_\_\_

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- 2.0 The Emergency Recall positions have been reviewed per Step 6.11.6.

**PERFORMED BY:** \_\_\_\_\_  
Emergency Planning Staff

**DATE:** \_\_\_\_\_

**REVIEWED BY:** \_\_\_\_\_  
Manager, Emergency Planning

**DATE:** \_\_\_\_\_

ERO RESPIRATOR QUALIFICATION REVIEW

1.0 Review respirator qualifications quarterly to ensure minimum requirement is met per Step 6.11.7.

Comments: \_\_\_\_\_

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2.0 The ERO Respirator Qualifications have been reviewed per Step 6.11.7.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

**REVIEWED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Manager, Emergency Planning

RECALL ROSTER DATA REVIEW

- 1.0 Review the Recall Roster quarterly to ensure all recall information is maintained current per Step 6.11.8.

Comments: \_\_\_\_\_

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- 2.0 The Recall Roster has been reviewed per Step 6.11.8.

**PERFORMED BY:** \_\_\_\_\_  
Emergency Planning Staff

**DATE:** \_\_\_\_\_

**REVIEWED BY:** \_\_\_\_\_  
Manager, Emergency Planning

**DATE:** \_\_\_\_\_

CDM E-PLAN AND MOEE DISTRIBUTION MATRIX REVIEW

1.0 Review the CDM E-Plan and MOEE Distribution Matrices annually to verify documents are current per Step 6.11.9.

1.1. Review the CDM E-Plan Distribution Matrix.

PERFORMED BY: \_\_\_\_\_  
Emergency Planning Staff

DATE: \_\_\_\_\_

1.2. Review the CDM MOEE Distribution Matrix.

PERFORMED BY: \_\_\_\_\_  
Emergency Planning Staff

DATE: \_\_\_\_\_

1.3. Spot check 5 E-Plan manuals annually for current revision.

Manuals checked:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

PERFORMED BY: \_\_\_\_\_  
Emergency Planning Staff

DATE: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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2.0 The CDM E-Plan and MOEE Distribution Matrices review have been reviewed per Step 6.11.9.

PERFORMED BY: \_\_\_\_\_  
Emergency Planning Staff

DATE: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_  
Manager, Emergency Planning

DATE: \_\_\_\_\_

**1.0 Review Matrix of Drill Objectives and Fire Department records per Step 6.11.10.**

- PERFORMED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Emergency Planning Staff

- PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

[illegible]

- PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

REFERENCE USE



1.0 Record date of each Emergency Planning Council Quarterly Meeting conducted per Step 6.11.11.

- [illegible]

DATE: \_\_\_\_\_

1.0 Review Pending ERP Responders Report monthly to ensure people assigned to Emergency Response Organization (ERO) are qualified responders per Section 6.11.12.

[illegible]

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Emergency Planning Staff

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Manager, Emergency Planning

1.0 Coordinate E-Plan requirements with PSP and SCP per Section 6.11.2.

- 1.1. Record date: \_\_\_\_\_
- 1.2. Identify changes to E-Plan and PSP and SCP since the last review.
- 1.3. Confirm review of changes to E-Plan by Security Management.
- 1.4. Confirm review of changes to SCP and PSP by EP.
- 1.5. If any changes have not been reviewed by appropriate management, initiate review for impact and document results by Notification. Record Notification number below:

Notification Number: \_\_\_\_\_

[illegible]

- 2.0 The E-Plan requirements have been coordinated with the PSP and SCP per Step 6.11.2.

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Manager, Emergency Planning

1.0 Review On-Shift ERO Roster Exception Report quarterly to ensure work groups have correctly assigned on-shift ERO personnel per Section 6.11.13. If discrepancies are found, create an Task to the respective group and document it on Comments section of this attachment.

[illegible]

- 2.0 The On-Shift ERO Roster Exception Report has been reviewed per Step 6.11.13.

PERFORMED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Emergency Planning Staff

**REVIEWED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Manager, Emergency Planning

EP DOCUMENTS REVIEW

1.0 Review the following documentation annually per Steps 6.11.3, 6.11.14 and 6.11.15.

1.1. Evacuation Time Study has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review/task was performed): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.2. Letters of agreement involving local jurisdictions have been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review/task was performed): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.3. EALs review with State and Local jurisdictions has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review/task was performed): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.4. Basic emergency planning information dissemination to the public within the exposure pathway EPZ has been reviewed.

**PERFORMED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Emergency Planning Staff

Comments (include how review/task was performed): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.0 EP responsible tasks specified in Steps 6.11.3, 6.11.14 and 6.11.15 have been reviewed.

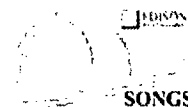
**REVIEWED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Manager, Emergency Planning

## SUMMARY OF CHANGES

Author: Andy Wells PAX: 86916 Location: D1N

NN, Order, or Other Action	Description of Change	50.59	Step(s), Section(s) or page number
NN 202342331	Added the following to Purpose: "Provide a means of evaluating compensatory measures for emergency response equipment and facilities in accordance with SO123-VIII-0.101."	DNA	Section 1.2
	Added the following to Scope: "..., and the equipment and facilities described in those documents,..."		Section 2.1
Betterment	Reworded step to call out SO123-EP-1 instead of SO123-NP-1.		6.11.3
Business Transformation	Deleted the word "OEP".		6.11.3.1
Business Transformation	Deleted the word "request".		6.11.9.1
Betterment	Deleted reference to SO123-NP-1.		Former Reference 10.1.1.1
NN 202342331	Added reference to SO123-VIII-0.101		Reference 10.1.1.10
Betterment	Moved reference SO123-EP-1 under "Other" as this is an order NOT a procedure.		Reference 10.1.3.2
Betterment	Removed SO123-XV-HU-3 from Developmental References as it is an Implementing Reference and is already referenced in Section 10.1.1.		Former Reference 10.2.4.4
Betterment	Deleted the word "EP".		Att. 13, Step 1.0
Business Transformation	Updated OEP to EP.		Throughout
Business Transformation	Updated Health Physics to Radiation Protection (RP)		Throughout

Reviewers	Organization
Mayra Alvarado	EP Cog Sup
Larry McCann	EP
Dan Cleavenger	EP - 50.54(q)
Debbie Lindbeck	EP - CFDM
Dave Burda	NOD



## EMERGENCY RESPONSE EQUIPMENT MANAGEMENT

Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> <li>The performer reviews the procedure before using it to perform the task.</li> <li>The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure.</li> <li>Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document.</li> </ul>	Att. 6
Reference Use	<ul style="list-style-type: none"> <li>Review and understand the procedure before performing any steps, including the prerequisite section.</li> <li>Have a copy or applicable pages/sections open at the work site.</li> <li>Use Placekeeping method according to SO123-XV-HU-3.</li> <li>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.</li> <li>Refer to the procedure or instruction at least once to ensure completion of the task in accordance with the requirements.</li> <li>Review the document at the completion of the task to verify that all appropriate steps are performed and documented.</li> </ul>	All except for Att. 6

Color Usage	Location
This Document Does <b><u>NOT</u></b> Contain Relevant Color	N/A

Level 1 – QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / RX DNA

Procedure Owner

Andrew Wells

## EMERGENCY RESPONSE EQUIPMENT MANAGEMENT

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## **EMERGENCY RESPONSE EQUIPMENT MANAGEMENT**

### **1.0 PURPOSE**

- 1.1 To provide the necessary guidance for maintaining equipment and facilities used for emergency classification and response, both on site and off site, in a state of readiness.
- 1.2 To provide the process for identifying Emergency Response (ER) Equipment, communicating equipment issues, using appropriate compensatory measures, and applying an appropriate priority to the restoration of the equipment or facilities.

### **2.0 SCOPE**

- 2.1 This procedure provides criteria to SONGS divisions that may plan work involving:
  - Removal of ER equipment from service,
  - Changes to equipment configurations that could affect SONGS ability to implement the Emergency Plan,
  - Emergent conditions and unplanned maintenance activities on ER equipment and facilities.
  - Performance of this procedure should NOT slow or prevent the immediate repair or restoration of degraded or nonfunctional emergency response equipment.

## **REFERENCE USE**

### 3.0 **RESPONSIBILITIES**

3.1 Design Engineering Manager is responsible for:

3.1.1 Ensuring that the design change process identifies any impacts to emergency plan commitments and emergency response capabilities.

3.2 Emergency Planning (EP) Manager is responsible for:

3.2.1 Maintaining oversight of emergency response facilities and equipment, as well as ensuring that work and change-related processes include appropriate screening requirements to identify impacts to the ER program.

3.3 Shift Manager is responsible for:

3.3.1 Ensuring that appropriate actions, including identification, tracking, and compensatory measures, are taken when ER equipment or emergency response facilities are degraded or removed from service.

3.4 Nuclear Regulatory Affairs Director is responsible for:

3.4.1 Providing guidance on compliance with the station licensing basis and related reportability issues.

3.5 Work Control Director is responsible for:

3.5.1 Ensuring that work on ER-related equipment within the scope of the station work control program is appropriately prioritized and scheduled.

#### 4.0 **PRECAUTIONS / LIMITATIONS**

##### 4.1 **Precautions**

- 4.1.1 The emergency plan is designed as a last line of defense to address design basis accident events at a nuclear power plant, including the capability of protecting public health and safety during and following the event. Therefore, regulations that govern ER equipment may require more timely restoration than technical specifications or other administrative controls.
- 4.1.2 SONGS is required to follow and maintain in effect emergency plans that meet the standards of 10 CFR50.47(b) and 10 CFR 50 Appendix E. Equipment required to meet these regulations must be capable of functioning at all times. If there is a loss of function, compensatory measures must be evaluated and used to restore the function until the equipment is repaired.
- 4.1.3 A loss of function of ER Equipment requires a determination regarding reportability in accordance with SO123-0-A7 (10 CFR 50.72).
- 4.1.4 Changes to equipment configuration that may impact emergency plan functions, require review in accordance with 10 CFR 50.54(q) and SO123-VIII-0.100.

##### 4.2 **Limitations**

- 4.2.1 None

#### 5.0 **PREREQUISITES / INITIAL CONDITIONS**

##### 5.1 **Prerequisites**

- 5.1.1 **VERIFY** this document is current by using one of the methods described in SO123-XV-HU-3.
- 5.1.2 **VERIFY** Level of Use requirements on the first page of this procedure.

##### 5.2 **Initial Conditions**

- 5.2.1 None

## 6.0 **PROCEDURE**

### 6.1 **Identifying ER Equipment**

- 6.1.1 ER Equipment may be identified by checking the Functional Location (FLOC) assigned in SAP, or in the list contained in Attachments 1 and 2.
- 6.1.2 Divisions engaged in activities that may involve maintenance activities on ER Equipment should ensure procedures owned by the division require identification of ER Equipment.
  - 6.1.2.1 Divisions engaged in activities that may involve maintenance activities on ER Equipment should ensure the use of this procedure when degraded or non-functional ER Equipment is identified.
- 6.1.3 Personnel discovering ER Equipment not listed in Attachments 1 and 2 should generate a Nuclear Notification (NN).

### 6.2 **Discovery of Degraded or Nonfunctional ER Equipment**

**NOTE**

See Attachments 4 and 5 for flowcharts.

- 6.2.1 Personnel discovering problems with ER Equipment should generate an NN.
- 6.2.2 The Shift Manager should direct implementation of compensatory measures to address the loss of function for ER Equipment.
- 6.2.3 WHEN notified of nonfunctional or degraded ER Equipment, THEN consult Attachments 1 and 2 to identify alternate equipment or approved compensatory measures.
- 6.2.4 VERIFY the alternate equipment or approved compensatory measure is available;
  - 6.2.4.1 IF the alternate or approved compensatory measure listed in Attachments 1 and 2 is available, THEN the equipment is Category B:
    - 6.2.4.1.1 **USE** the alternate or compensatory measure (if action is required) immediately following equipment loss or facility functional failure.
    - 6.2.4.1.2 **NOTIFY** the On-Call EP Coordinator of the alternate or compensatory measure used.
    - 6.2.4.1.3 **DIRECT** the On-Call EP Coordinator to notify the appropriate members of the Emergency Response Organization (ERO) as soon as practical.

## REFERENCE USE

- 6.2.4.1.4 **GENERATE** a task in the NN assigned to the On-Call EP Coordinator contacted in Step 6.2.4.1.3 to track the use of the alternate equipment or compensatory measure used.
- 6.2.4.2 IF there is no alternate or compensatory measure listed in Attachments 1 and 2, or the alternate or approved compensatory measure is **NOT** available, THEN IMMEDIATE ACTION is required. The equipment is Category A:
  - 6.2.4.2.1 The Shift Manager should complete Attachment 3 to identify and evaluate the appropriate use of compensatory measures.
  - 6.2.4.2.2 IF the appropriate reviewers are not available, THEN the Shift Manager may sign Attachment 3.
  - 6.2.4.2.3 The Shift Manager may consult with the On-Call Emergency Planning Coordinator (EPC) or other subject matter experts, when developing and approving the compensatory measures in Attachment 3.

### 6.3 **Plant Equipment Configuration Changes**

- 6.3.1 For changes to equipment configuration that may impact emergency plan functions, **GENERATE** an N-EPE task in an NN for EP to evaluate the change per 10 CFR 50.54(q) and SO123-VIII-0.100.

### 6.4 **Planned Maintenance Affecting ER Equipment**

**NOTE**

See Attachment 4 for flowchart.

- 6.4.1 Personnel identifying ER Equipment that will be degraded or rendered nonfunctional as the result of planned maintenance should consult Attachments 1 and 2 to identify alternate equipment or approved compensatory measures.
- 6.4.2 **VERIFY** the alternate equipment or approved compensatory measure is available.
  - 6.4.2.1 IF the alternate or approved compensatory measure listed in Attachments 1 and 2 is available, THEN the equipment is Category B:
    - 6.4.2.1.1 **ENSURE** alternate or approved compensatory measures are used prior to starting work.
    - 6.4.2.1.2 **NOTIFY** the On-Call EP Coordinator of the alternate or compensatory measure used.
    - 6.4.2.1.3 **DIRECT** the On-Call EP Coordinator to notify the appropriate members of the ERO prior to removing the ER Equipment from service.
    - 6.4.2.1.4 **GENERATE** an NN task assigned to the On-Call EP Coordinator to track the use of the alternate equipment or compensatory measure used.

### REFERENCE USE

- 6.4.2.2 IF there is no alternate or approved compensatory measure listed in Attachments 1 and 2, or the alternate or approved compensatory measure is NOT available, THEN the equipment is Category A.
- 6.4.2.2.1 **COMPLETE** Attachment 3.
- 6.4.2.2.2 **ENSURE** compensatory measures from Attachment 3 are used prior to starting work.
- 6.4.3 **PLAN** work activities to minimize the time ER Equipment is degraded or nonfunctional.
- 6.4.4 Planned Maintenance on Category A Equipment
- 6.4.4.1 The Shift Manager may permit Category A Equipment to be removed from service for maintenance or surveillance testing without implementing compensatory measures specified in this procedure, if:
- 6.4.4.1.1 Personnel removing the equipment from service remain in the immediate area.  
**AND**
- 6.4.4.1.2 The equipment can be restored to service immediately when notified by the Control Room.
- 6.4.4.2 IF the conditions of Step 6.4.4.1 cannot be met for Category A equipment, THEN implement compensatory measures according to Attachment 3.

## 6.5 **Emergency Response Facility Functional Assessment**

### **NOTE**

WHEN ER Equipment identified as degraded or nonfunctional is used in conjunction with the operation of an Emergency Response Facility (ERF), (e.g., HVAC, RADDose V dose assessment computers, etc.), THEN complete this section to determine if the facility should be declared unavailable.

- 6.5.1 **GENERATE** an NN if problems are discovered with ERFs or equipment located in an ERF.
- 6.5.2 IF power is lost to any ERF, THEN:
- 6.5.2.1 Operations should verify backup power is provided (this may be accomplished through notifying Facilities for the Emergency Operations Facility)
- 6.5.2.2 IF backup power cannot be provided, THEN utilize the alternate facility identified in Attachments 1 and 2.
- 6.5.2.3 **COMPLETE** Attachment 3 if the alternate facility is not available, **AND** treat the facility as Category A.

## REFERENCE USE

6.5.3 Following a loss of offsite power to any ERF, **NOTIFY** the On-Call EPC to perform a walkdown of the following items when power is restored:

- Habitability/ Accessibility
- Communications
- Dose Assessment
- Lighting and Power
- Computers and Intranet
- Critical Function Monitoring System (CFMS)

6.5.3.1 The On-Call EPC may refer to SO123-VIII-0.201 and SO123-XVIII-30.1, Attachment 5, to evaluate ERF readiness.

**NOTE**

Planned maintenance should be accomplished in a manner that minimizes out of service time for the facility and its equipment.

6.5.4 WHEN evaluating equipment related to an ERF that is degraded or nonfunctional, THEN **REFER** to Attachments 1 and 2 in this procedure for compensatory measures.

6.5.5 IF it is determined an ERF is not habitable, accessible, **OR** cannot maintain functionality based on the alternate and approved compensatory measures listed in Attachments 1 and 2, THEN

6.5.5.1 **NOTIFY** the On-Call EPC to notify the ERO to use the alternate facility.

6.5.5.2 **GENERATE** task for the On-Call EPC to add the condition to the daily Operations Focus Meeting.

6.5.5.3 **REFER** to SO123-0-A7 to determine reportability requirements under 10 CFR 50.72.

## 6.6 **Restoration of ER Equipment and Facilities**

- 6.6.1 ER Equipment and facilities should be restored to service with a priority commensurate with the significance of the associated emergency response function.
- 6.6.2 Offsite sirens supporting the Alert and Notification System (ANS) should be treated as Category B equipment for 1-3 sirens nonfunctional, and Category A if four or more sirens are nonfunctional.
  - 6.6.2.1 **REFER** to SO123-0-A7 for reportability requirements specific to ANS sirens.
- 6.6.3 Work control will notify EP of any work on ER Equipment that is over schedule or at risk.
  - 6.6.3.1 EP should include any Category B equipment that is delayed in restoration in the daily Operations Focus Meeting for visibility to station management.
- 6.6.4 The organization completing the work should contact EP when work is complete and the ER Equipment is restored to service.
  - 6.6.4.1 WHEN notified of ER Equipment that is restored, THEN the On-Call EPC should notify the ERO as soon as practical.
  - 6.6.4.2 IF restored ER Equipment was on the daily Operations Focus Meeting agenda, THEN EP will remove it from the meeting agenda.

## 7.0 **ACCEPTANCE / FUNCTIONAL CRITERIA**

### 7.1 **Acceptance Criteria**

- 7.1.1 None

### 7.2 **Functional Criteria**

- 7.2.1 None

## 8.0 **RETENTION / RECORDS**

- 8.1 Completed Attachments should be sent to CDM-SONGS on a quarterly basis prior to the end of the following calendar quarter.
- 8.2 Copies of completed attachments should be kept on file at EP for one year (Reference SO123-VII-0.201).

## REFERENCE USE



## 9.0 **ACRONYMS / DEFINITIONS**

- |      |   |   |
|------|---|---|
| 9.1  | <u>Alternate Indication:</u>                        | A backup means of monitoring a parameter or condition that should approximate the primary indication it is replacing  |
| 9.2  | <u>Approved Compensatory Measure:</u>               | A compensatory measure that is listed in the Emergency Plan or Emergency Plan Implementing Procedure (EPIP). Using an approved compensatory measure remains compliant with the Emergency Plan.  |
| 9.3  | <u>Category A Equipment:</u>                        | Equipment that provides the sole indication or very little redundancy for a parameter used to assess an emergency action level (EAL) threshold, or equipment that provides the sole means of fulfilling an emergency response function. |
| 9.4  | <u>Category B Equipment:</u>                        | Equipment that has redundant components or trains that fulfill an emergency response function or redundant indications for a parameter used to assess an EAL threshold.   |
| 9.5  | <u>Compensatory Measure:</u>                        | A temporary means of mitigating the degradation or loss of an emergency response function or of maintaining the emergency response function until the equipment is restored to a fully functional condition                             |
| 9.6  | <u>Emergency Response Equipment (ER Equipment):</u> | Systems, structures, and components, as well as essential tools and equipment, necessary to implement the emergency plan.   |
| 9.7  | <u>EP</u>   | Emergency Planning  |
| 9.8  | <u>EPC</u>  | Emergency Planning Coordinator  |
| 9.9  | <u>ERF</u>  | Emergency Response Facility   |
| 9.10 | <u>ERO</u>  | Emergency Response Organization   |

## REFERENCE USE

## 10.0 **REFERENCES / COMMITMENTS**

### 10.1 **Implementing Reference**

#### 10.1.1 **Commitments**

10.1.1.1 10 CFR50 App. E

10.1.1.2 10 CFR50.47(b)

10.1.1.3 10 CFR50.54(q)

10.1.1.4 10 CFR50.72

#### 10.1.2 **Corrective Actions to Prevent Recurrence (CAPR)**

10.1.2.1 None

#### 10.1.3 **Procedures**

10.1.3.1 SO123-0-A7, Notification and Reporting of Significant Events

10.1.3.2 SO123-VIII-0.100, Maintenance and Control of Emergency Planning Documents

10.1.3.3 SO123-VIII-0.201, Emergency Plan Equipment Surveillance Program (EPESP)

### 10.2 **Developmental References**

#### 10.2.1 **Commitments**

10.2.1.1 INPO 10-007, Equipment Important to Emergency Response

#### 10.2.2 **Corrective Actions to Prevent Recurrence (CAPR)**

10.2.2.1 None

#### 10.2.3 **Procedures**

10.2.3.1 SO123-XVIII-11, Telecommunications Work Process and Configuration Control Program

10.2.3.2 SO123-XX-5, Work Clearance Application / Work Clearance Document / Work Authorization Record (WAR)

10.2.3.3 SO123-XXIV-10.1, Engineering Design Change Process - NECPS

10.2.3.4 SO23-XX-8, Integrated Risk Management

10.2.3.5 SO23-XX-30, Nuclear Maintenance Order (NMO) Generation, Screening and Classification

## REFERENCE USE

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
2/3							
	AU1, AA1, AS1, AG1 (Table A-1)	RE7808G, RT7808G	Plant Vent Stack (PVS) Radiation Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	2Q065-14 BP-03 2/3L-104 3Q065-08	2RE7865A1+ 3RE7865A1	[CTS] LCS 3.3.102 [ITS] ODCM, Section 4.2 Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737

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**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
<b>2</b>							
	AU1, AA1, AS1, AG1 (Table A-1)	RE7870B1, RE7870C1, RT7870, RT7870-1	Condenser Air Ejector Wide Range Radiation Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	2Q039-26	NA <sup>1</sup>	[CTS] LCS 3.3.102 [ITS] ODCM, Section 4.2 Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
	AU1, AA1, AS1, AG1 (Table A-1)	RE7865A1	PVS/Containment Purge Wide Range Gas Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	Q033-24	RE7808G,	Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
	AU1, AA1, AS1, AG1 (Table A-1)	RE7865B1, RE7865C1, RT7865-1	PVS/Containment Purge Wide Range Gas Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	Q033-24		[CTS] LCS 3.3.102 [ITS] ODCM, Section 4.2  Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
<b>3</b>							
	AU1, AA1, AS1, AG1 (Table A-1)	RE7870B1, RE7870C1, RT7870, RT7870-1	Condenser Air Ejector Wide Range Radiation Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	3Q039-26	NA	[CTS] LCS 3.3.102 [ITS] ODCM, Section 4.2  Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
	AU1, AA1, AS1, AG1 (Table A-1)	RE7865A1	PVS/Containment Purge Wide Range Gas Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	3Q033-24 Q033-26	RE7808G,	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737

<sup>1</sup> Not applicable

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/ Indications	Compensatory Measures	
<b>3</b>							
	AU1, AA1, AS1, AG1	RE7865B1, RE7865C1, , RT7865-1	PVS/Containment Purge Wide Range Gas Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	Q033-26		[CTS] LCS 3.3.102 [ITS] ODCM, Section 4.2  Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
<b>2/3</b>							
	AU1, AA1	RE2101	North Industrial Area Yard Drainage Sump Radiation Monitor	2/3Y5802	NA	Local sampling and analysis per ODCM.	EPlan Table 7-3, NUREG 0737
<b>2</b>							
	AU1, AA1	RE7817, RT7817	Blowdown Processing System (BPS) Neutralization Sump Discharge Radiation Monitor	2Q065-14	RE6753, RE6759	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU1, AA1	RE7821	Turbine Plant Area Sump Radiation Monitor	2Q065-14	NA	Local sampling and analysis per ODCM.	EPlan Table 7-3, NUREG 0737
	AU1, AA1	RE6753	Steam Generator (SG) Blowdown Radiation Monitor	2Q083-20	RE6759, RE7870A1, RE7818A	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU1, AA1	RE6759	SG Blowdown Radiation Monitor	2Q083-20	RE6753, RE7870A1, RE7818A	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
<b>3</b>							
	AU1, AA1	RE7817, RT7817	BPS Neutralization Sump Discharge Radiation Monitor Dose Projections: either manual or Dose Assessment Computer (DAC)	3Q065-17	RE6753, RE6759	Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
	AU1, AA1	RE7821	Turbine Plant Area Sump Radiation Monitor	3Q065-17	NA	Local sampling and analysis per ODCM	EPlan Table 7-3, NUREG 0737
	AU1, AA1	RE6753	SG Blowdown Radiation Monitor	3Q083-20	RE6759, RE7870A1, RE7818A	Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
	AU1, AA1	RE6759	SG Blowdown Radiation Monitor	3Q083-20	RE6753, RE7870A1, RE7818A	Verify alternate indicator(s) available for evaluation when primary indicator unavailable	EPlan Table 7-3, NUREG 0737
<b>2/3</b>							
	AU2.2	RE7841	Radwaste Gas Surge Tank Area Radiation Monitor	2Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.2	RE7842	Radwaste Sump Area Radiation Monitor	2Q065-08	NA	Local sampling and analysis per ODCM	EPlan Table 7-3, NUREG 0737
	AU2.2	RE7843	Radwaste Cartridge Area Radiation Monitor	3Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.2	RE7844	Radwaste High Radiation Storage Area Radiation Monitor	3Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
<b>2/3</b>							
	AU2.2	RE7851	Control Room Area Radiation Monitor	2Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.2	RE7852	Radiochemical Laboratory Area Radiation Monitor	3Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.2	RE7853	Radwaste Hot Machine Shop Area Radiation Monitor	3Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/ Indications	Compensatory Measures	
<b>2/3</b>							
	AU2.2	RE7854	Radwaste Local Sample Lab Area Radiation Monitor	2Q065	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.2	RE7883	PASS Lab Area Radiation Monitor	2/3Q037	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
<b>2</b>							
	AU2.2	RE7847	Safety Equipment Building Area Radiation Monitor	2Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7850	FHB Spent Fuel Cask Area Radiation Monitor	2Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/ Indications	Compensatory Measures	
<b>3</b>							
	AU2.2	RE7847	Safety Equipment Building Area Radiation Monitor	3Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7850	FHB Spent Fuel Cask Area Radiation Monitor	3Q065-08	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
<b>2</b>							
	AU2.1, AA2.2	RE7822G1, RT7822G1, RE7822-1	FHB Train A Airborne Radiation Monitor	2BE-02 2Y01-16	RE7823G2, RT7823G2	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7823G2, RT7823G2, RE7823-1	FHB Train B Airborne Radiation Monitor	2BJ-44 2Y02-16	RE7822G1, RT7822G1	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7804G1, RT7804G1, RE7804P1, RE7807P1	Containment Train A Airborne Radiation Monitor	2Y01-16	RE7807G2, RT7807G2	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7807G2, RT7807G2, RE7804P1, RE7807P1	Containment Train B Airborne Radiation Monitor	2Y02-16	RE7804G1, RT7804G1	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	FA1.1	RE7874A1	Main Steam Line From SG E088 Low Range Radiation Monitor	2Q039-16	NA	<b>[CTS]</b> LCS 3.3.102 <b>[ITS]</b> TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737



**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
2	FA1.1	RE7874B1	Main Steam Line From SG E089 Low Range Radiation Monitor	2Q039-16	NA	[CTS] LCS 3.3.102 [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737

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**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
<b>3</b>							
	AU2.1, AA2.2	RE7822G1, RT7822G1, RE7822-1	FHB Train A Airborne Radiation Monitor	3BE-02 3Y01-16	RE7823G2, RT7823G2	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7823G2, RT7823G2, RE7823-1	FHB Train B Airborne Radiation Monitor	3BJ-44 3Y02-16	RE7822G1, RT7822G1	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7804G1, RT7804G1 RE7804P1 RE7807P1	Containment Train A Airborne Radiation Monitor	3Y01-16	RE7807G2, RT7807G2	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	AU2.1, AA2.2	RE7807G2, RT7807G2 RE7804P1 RE7807P1	Containment Train B Airborne Radiation Monitor	3Y02-16	RE7804G1, RT7804G1	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	EPlan Table 7-3, NUREG 0737
	FA1.1	RE7874A1	Main Steam Line From SG E088 Low Range Radiation Monitor	3Q039-16	NA	[CTS] LCS 3.3.102. [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	FA1.1	RE7874B1	Main Steam Line From SG E089 Low Range Radiation Monitor	3Q039-16	NA	[CTS] LCS 3.3.102 [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
2/3	AA2.1	LSHL-7740	SFP Hi/Low Level Indication	2D5R4	RE7850	Verify alternate indicator(s) available for evaluation when primary indicator unavailable.	SO123-VIII-1, Attachment 2

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
<b>2</b>							
	FA1.1	RE7874A1	Main Steam Line From SG E088 Low Range Radiation Monitor	2Q039-16	NA	[CTS] LCS 3.3.102 [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	FA1.1	RE7874B1	Main Steam Line From SG E089 Low Range Radiation Monitor	2Q039-16	NA	[CTS] LCS 3.3.102 [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
<b>3</b>							
	FA1.1	RE7874A1	Main Steam Line From SG E088 Low Range Radiation Monitor	3Q039-16	NA	[CTS] LCS 3.3.102 [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
	FA1.1	RE7874B1	Main Steam Line From SG E089 Low Range Radiation Monitor	3Q039-16	NA	[CTS] LCS 3.3.102 [ITS] TRM 13.3.2  Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737
<b>2/3</b>							
	AG1.2	NA	Dose projections: either manual or Dose Assessment Computer (DAC)	NA	NA	Use the alternate of the two methods, as available.	SO123-VIII-1, Attachment 2
	FA1.1, FS1.1, FG1.1	RE7838, RE7839	PASS Lab Sample Area Radiation Monitors	2Q037-07.23 3Q036-15	NA	Verify/ perform RP survey or install portable monitoring equipment prior to removal of primary indication, or when it is unavailable.	EPlan Table 7-3, NUREG 0737

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/ Indications	Compensatory Measures	
2	FU1.1, FA1.1, FS1.1, FG1.1	RE7820-1,-2	Containment High Range Area Radiation Monitor	2Q039-16 2Q041-16	RE7820-1,-2	[CTS] LCO 3.3.11, LCS 3.3.102; [ITS] LCO 3.3.11, TRM 13.3.2;  Verify alternate indicator(s) available to compensate for loss of primary indication.	EPlan Table 7-3, NUREG 0737
3	FU1.1, FA1.1, FS1.1, FG1.1	RE7820-1,-2	Containment High Range Area Radiation Monitor	3Q039-16 3Q041-16	RE7820-1,-2	[CTS] LCO 3.3.11, LCS 3.3.102; [ITS] LCO 3.3.11, TRM 13.3.2;  Verify alternate indicator(s) available to compensate for loss of primary indication.	EPlan Table 7-3, NUREG 0737
2	CU7.1	EI1757-1,-2,-3,-4	125 VDC Bus Voltmeter EI1757-1, -2,-3,-4	2B007, 2B008, 2B009, 2B010	NA	LCO 3.8.4	SO123-VIII-1, Attachment 2
3	CU7.1	EI1757-1,-2,-3,-4	125 VDC Bus Voltmeter EI1757-1, -2,-3,-4	3B007, 3B008, 3B009, 3B010	NA	LCO 3.8.4	SO123-VIII-1, Attachment 2
2/3							
	CA4.1	NA	Loss of Cold Shutdown capability with RCS > 200°F	NA	NA		SO123-VIII-1, Attachment 2
	FU1.1, FA1.1, FS1.1, FG1.1	NA	LOCA Sequences	NA	NA		SO123-VIII-1, Attachment 2
	FU1.1, FA1.1, FS1.1, FG1.1	NA	SGTR Sequences	NA	NA		SO123-VIII-1, Attachment 2

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/ Indications	Compensatory Measures	
<b>2/3</b>							
	HU2.1, HA2.1		Fire within Units 2/3 PROTECTED AREA Not Extinguish Within 15 Minutes of Declaration Or EXPLOSION Within the Units 2/3 PROTECTED AREA OR FIRE or EXPLOSION Affecting the Operability of Plant Safety Systems Required to Establish or Maintain Safe Shutdown.		NA	Verify fire watch established prior to removal of any affected alarms from service.	SO123-VIII-1, Attachment 2  (Continued)
	HU1.1	61C21	"Seismic Recording System Activated" Alarm	2Q032-07	NA	[CTS] LCS 3.3.104 [ITS] TRM 13.3.4	SO123-VIII-1, Attachment 2
	HU1.5, HA1.6	NA	NOAA / NWS Warning	NA	NA	Monitor commercial weather station	SO123-VIII-1, Attachment 2
	HA1.1	61C22	"Operating Basis Earthquake Detected" Alarm	2Q032-07	NA	[CTS] LCS 3.3.104 [ITS] TRM 13.3.4	SO123-VIII-1, Attachment 2
	HU1, HA1, HU2, HA2, HU3, HA3	NA	Disaster affecting Cold S/D capability	NA	NA	NA	SO123-VIII-1, Attachment 2
	HU1, HA1, HU2, HA2, HU3, HA3	NA	Disaster affecting hot S/D capability	NA	NA	NA	SO123-VIII-1, Attachment 2
	FU1.1, FA1.1, FS1.1, FG1.1	NA	LOCAs resulting in loss of any 2 of 3 fission product barriers with a challenge to the third barrier	NA	NA	NA	SO123-VIII-1, Attachment 2
<b>2/3</b>							
	FU1.1, FA1.1, FS1.1, FG1.1	NA	SG tube rupture resulting in loss of any 2 of 3 fission product barriers with a challenge to the third barrier	NA	NA	NA	SO123-VIII-1, Attachment 2
	HU4, HA4, HS4, HG1	NA	Security Safeguards Contingency Events	NA	NA	NA	SO123-VIII-1, Attachment 2

**SONGS Emergency Plan Equipment for EAL / Event Code Determinations** (continued)

Unit	Event Code (EAL)	Equipment ID/Functional Location	Description	Power Supply	Alternate Equipment/Indications	Compensatory Measures	
2/3	HU5.1, HA6.1, HS3.1, HG2.1	NA	Miscellaneous Events	NA	NA	NA	SO123-VIII-1, Attachment 2

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### SONGS Emergency Plan / Emergency Response Facilities Equipment List

Equipment ID	Power Supply	Equipment Description <sup>1</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
Integrated with Security computer SA.SEC.S.2/3L292	Safeguard  1E UPS with diesel backup	Protected Area Personnel Accountability (PAPA)	Accountability of Site personnel, visitors and contract personnel evacuating PA assembly areas.	Continuous operation of Security computer	Repair as soon as practical. Backup accountability performed in accordance with EP(123) 294, Personnel Accountability	EPlan Sec. 6.3.1.3
SA.METS.2/3UJI8069 SA.METS.2/3UJI8070A SA.METS.2/3UJI8070B SA.METS.2/3UJI8070C SA.METS.2/3UJI8070D  SA.METS.2/3UJI8091B SA.METS.2/3UJI8098 SA.METS.2/3UJI8099 SA.METS.YVS72	2/3Q072-09 EOF EP2 EOF EP2 EOF EP2 Simulator 120 VAC  2/3Q072-12 2/3Q072-03 2/3Q072-03 2D072, 3D072, 2/3Q072	Dose Assessment Computer (DAC) and Associated Terminals 2/3L406 (Server)	Primary dose assessment method (Raddose-V) in TSC and EOF	Surveilled in accordance with SO23-V-12.15.21.	Repair as soon as practical. Notify SM, EP. Use alternate methodology in accordance with SO123-VIII-40.100, Dose Assessment	EPlan 7.3.1.1
SA.CFMS.2/3UJI0051-6PIC1 SA.CFMS.2/3UJI0051-6PIC2 SA.CFMS.2/3UJI0051-6PIC3 SA.CFMS.2/3UJI0051-6PIC4 SA.CFMS.2/3UJI0051-6PIC5 SA.CFMS.2/3UJI0051-6PIC6 SA.CFMS.2/3UJI0051-6PIC7 SA.CFMS.2/3UJI0051-6PIC8 SA.CFMS.2/3UJI0051-6PIC9	Offsite (SDG&E) 230VAC	Pressurized Ion Chambers (PICs)	Nine PICs approximately 1 km from site measure gamma radiation, inputted to DAC, with real-time display in CR, TSC and EOF	Surveilled in accordance with SO23-V-12.9.2, Reuter Stokes Radiation Monitoring system- Remote Stations (PIC) Preventive Maintenance	Timely repair system. Send RP Technician downwind if an emergency event is declared.	EPlan 7.3.1.1
S2.CFMS.2UJ823P1	2Q083-24 or 3Q083-24 Auto Transfers	MET/PIC Data Collector	Direct near real-time electronic data link pushing meteorological data to the NRC VPN	Continuous operation of Data Collector	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2.	NRC Generic Letter 89-15  10CFR50, App. E.VI.

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List (continued)**

Equipment ID	Power Supply	Equipment Description	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/EP Plan Reference
S2.CFMS.2UJ0088A	2Q060-10 or 2Q083-15 Auto Transfers	PCS Server # 1 (Note: U2 PCS Servers Auto Transfer between each other.	Direct near real-time electronic data link pushing Plant Data to R-Time LAN Server SOPRTD01	Continuous operation of server(s) pushing Plant Data to R-Time Lan server SOPRTD01	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2 if both U2 PCS Servers Out of Service	NRC Generic Letter 89-15  10CFR50, App. E.VI
S2.CFMS.2UJ0089A	2Q083-17 or 2Q060-02 Auto Transfers	PCS Server # 2 (Note: U2 PCS Servers Auto Transfer between each other	Direct near real-time electronic data link pushing Plant Data to R-Time LAN Server SOPRTD01	Continuous operation of server(s) pushing Plant Data to R-Time Lan server SOPRTD01	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2 if both U2 PCS Servers Out of Service	NRC Generic Letter 89-15  10CFR50, App. E.VI
S3.CFMS.3UJ0088A	3Q060-17 or 3Q083-15 Auto Transfers	PCS Server # 1 (Note: U3 PCS Servers Auto Transfer between each other).	Direct near real-time electronic data link pushing Plant Data to R-Time LAN Server SOPRTD01	Continuous operation of server(s) pushing Plant Data to R-Time Lan server SOPRTD01	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2 if both U3 PCS Servers Out of Service	NRC Generic Letter 89-15  10CFR50, App. E.VI
S3.CFMS.3UJ0089A	3Q083-23 or 3Q060-19 Auto Transfers	PCS Server # 1 (Note: U3 PCS Servers Auto Transfer between each other).	Direct near real-time electronic data link pushing Plant Data to R-Time LAN Server SOPRTD01	Continuous operation of server(s) pushing Plant Data to R-Time Lan server SOPRTD01	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2 if both U3 PCS Servers Out of Service	NRC Generic Letter 89-15  10CFR50, App. E.VI
SOPRTD01	IT&BI Computer Center General Electric Inverter/UPS with battery bank & Onan D/G backup to battery, all located at G-50	R-Time LAN Server	Direct near real-time electronic data link pushing Plant Data to the ERDS NRC VPN	Continuous operation of server	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2. (NRC Ops Center courtesy and Resident notification courtesy).	NRC Generic Letter 89-15  10CFR50, App. E.VI
IT&BI ERDS VPN	IT&BI Computer Center General Electric Inverter/UPS with battery bank & Onan D/G backup to battery, all located at G-50	ERDS NRC – provided VPN	Direct near real-time electronic data link pushing Plant Data to the NRC.	Continuous operation of VPN	Notify PE, EP and STA in accordance with SO123-VIII-0.201 Section 6.8.2. (NRC Ops Center courtesy and Resident notification courtesy).	NRC Generic Letter 89-15  10CFR50, App. E.VI



**SONGS Emergency Plan / Emergency Response Facilities Equipment List (continued)**

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
2/3L187	AWS MCC#1 2/3Q072-12	Meteorological Tower, Backup	Backup source of onsite meteorological data (10 meter tower), with UPS, transmitted to Units 2/3 CR	Periodic surveillance in accordance with SO23-II-8.12.1 and SO23-II-8.12	Timely repair system.	EPlan 6.2.5, 7.3.4.1
2/3NE8074	AWS MCC#1 2/3Q072-12	Meteorological Tower, Primary	Provide onsite meteorological parameters used to calculate atmospheric dispersion factors and dose projections.	Periodic surveillance in accordance with SO123-V-8, Meteorological Data Acquisition System, SO23-II-8.12, Primary Meteorological Instrumentation Surveillance	<b>[CTS]</b> LCS 3.3.105. <b>[ITS]</b> TRM 13.3.5  Ensure backup meteorological tower and/or EOF meteorological tower operable.	EPlan 7.3.4
M0 33, M0 34, M0 35	Q033, BQ13, BQ26, BQ27, MCC1-11	Onsite Emergency Siren System (OESS)	Alert non-emergency personnel to evacuate the Protected Area following PA announcement	Periodically test components (PA Siren tone generator, Units 2/3 buildings/grounds sirens, Units 2/3 Containment siren, Units 2/3 Thunderbolt sirens) in accordance with SO123-VIII-0.302	Timely repair equipment. PA tone generator backup alerting signal to buildings/ grounds sirens. Red beacons in Containment serve as alternate indicator to containment sirens	EPlan 6.1.3.1, 7.5
2/3L210	Q033-9	Perimeter Public Address System (PPAS)	Audible message to public near plant perimeter (e.g., beach) to evacuate area following activation of onsite sirens.	PPAS functionally tested for adequate audible test and visually inspected in accordance with SO123-VIII-0.303	Timely repair equipment. Notify SM. Develop plan to assign personnel with portable equipment for extended period of inoperability.	EPlan 6.3.2.2, SONGS 2/3 UFSAR 9.5.2

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List** (continued)

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
2/3L167 SA.SEIS.2/3L167-PC 2XTC80201 2(3)XT80311 2(3)XT80312 2(3)XT80313 2(3)XT80314	2Q032-7, 2Q02612 2(3)Y01-27 2(3)Y02-27 2(3)Y03-27 2(3)Y04-27	Seismic Equipment	Monitor and record motion and peak shock of earthquake for plant impacts assessment	Surveilled in accordance with SO23-II-2.1, SO23-II-2.2, SO23-II-2.4 and SO23-V-3.20	[CTS] LCS 3.3.104 Notify EP. [ITS] TRM 13.3.4 Notify EP.  Safety tagout requires accessing USGS website and verification of no seismic activity in vicinity.	EPlan 7.3.4.2
SA.SECS.2/3UJ0094	Main Switch-board Bus	Recall System	Notification/record keeping of ERO personnel by automatic telephone notification system (DIALOGIC).	System functional test in accordance with SO123-VIII-0.201	Timely repair system. Notify SM. Use Intranet method or telephone method to activate group pagers in accordance with SO123-VIII-30.7.	EPlan 6.1.2.1
K-50, G-50, AWS	NA	Assembly Areas	Designated assembly locations for site personnel evacuated from plant areas.	Visually inspected to verify safety, cleanliness, general usability quarterly or following activation in accordance with SO123-VIII-0.201	Timely correct deficiencies.	EPlan 7.4
OSC	NA	Operations Support Center (OSC)	Onsite staging area for emergency response team assignments.	Visually inspected to verify safety, cleanliness, general usability quarterly or following activation in accordance with SO123-VIII-0.201	Timely correct deficiencies.	EPlan 5.2.10, 7.1.3

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List** (continued)

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/EPlan Reference
TSC- J32	2Q071	Technical Support Center (TSC)	Onsite location for technical assessment and coordination of emergency activities.	Visually inspected to verify safety, cleanliness, general usability quarterly or following activation in accordance with SO123-VIII-0.201	Timely correct deficiencies.	EPlan 7.1.2
EOF-E50	SDG&E 120VAC distribution	Emergency Operations Facility (EOF)	SCE near-site facility to coordinate offsite emergency responses of SCE and local, State and federal agencies.	Visually inspected to verify safety, cleanliness, general usability quarterly or following activation in accordance with SO123-VIII-0.201	Timely correct deficiencies. Verify functionality of AEOF.	EPlan 7.1.4
EOFMGEN	SDG&E 120VAC distribution	EOF Emergency Diesel Generator	Provides for continuous EOF operation in the event of loss of primary electrical power supply.	Monthly operability runs and periodic sampling, testing, and maintenance in accordance with SO123-VIII-30.1, SO123-III-2	Timely correct deficiencies.  Notify EP.  Identify source of compatible portable DG.	SCE Letter to NRC, dated 7/1/81, Sched  Commitment for Emerg Upgrades  NRC Letter to SCE, dated 7/9/84, Emerg  Response Facilities Appraisal
MESA HVAC EOF DOORS	MCC-2	EOF Ventilation System	Ventilation isolation with HEPA filtration provides for personnel habitability and equipment environmental controls.	Surveilled in accordance with SO123-XVIII-30.2	Timely repair equipment. Notify EP.  Determine habitability constraints; verify functionality of AEOF.	EPlan 7.1.4  NUREG 0737 Supp.1

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List** (continued)

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
DECONHOLDTANK2000 EOF	NA	EOF/Medical Decon Tanks	Collect decontamination/medical treatment liquid wastes	Surveilled in accordance with SO123-VIII-0.201	Notify EP. Arrange for portable storage containers if unavailable for extended duration	None
SI-MET-C-132	Plugged into EOF power outlet: Emergency Power Distribution Switchboard	Met Tower, EOF	Backup source of near-site meteorological data, with UPS, transmitted to EOF.	Surveilled in accordance with SO123-II-8.17	Timely repair system.	EPlan 6.2.5, 7.3.4.1
Various	NA	Alternate EOF (AEOF)	Backup to primary EOF	Visually inspected to verify safety, cleanliness, general usability quarterly or following activation in accordance with SO123-VIII-0.201	None needed	EPlan 7.1.4
	NA	Emergency Kits	Equipment and material for short-term needs for emergency functions	Surveilled In accordance with SO123-VIII-0.201	None. Replacement equipment readily available	EPlan 7.1.6
EMER MTCE TOOL BOX	NA	Maintenance Tool Boxes	Emergency maintenance tools and equipment pre-positioned near OSC	Surveilled In accordance with SO123-VIII-0.201	None. Replacement equipment readily available	EPlan 7.7
		Telecom, Emerg. Comm. & Radios				EPlan 7.5, 8.5.6, 8.5.8

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List**(continued)

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
0R2TYL1	Panel 2/3L424	Yellow Phone System (YPS)	Primary communications link (voice and hardcopy) to offsite emergency response agencies.	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use alternate communications method in accordance with SO123-VIII-30.7, Emergency Notifications, PAX telephone system	EPlan 3.2.2, 3.3.1, 6.1.5, 7.5
0R2TBL1	Panel 2/3L424	Cal EMA (BLUE PHONE)	Direct hotline from CR, TSC, EOF to Warning Center, OES, Sacramento, CA	Surveilled in accordance with SO123VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones	EPlan 7.5
0R2TBK1	Panel 2/3L424	USMC Base Telephone (BLACK PHONE)	Direct hotline from Units 2/3 CR, TSC, EOF to Camp Pendleton Marine Corps Base (MCB) support services	Surveilled in accordance with SO123VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones, 800MHz Radio System	EPlan 7.5
0R2TOR1	Panel 2/3L424 2/3L484	USMC Fire Telephone (ORANGE PHONE)	Direct hotline from OSC, SONGS Fire Dispatch to Camp Pendleton MCB '911' Emergency dispatch	Surveilled in accordance with SO123VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones, 800MHz Radio System	EPlan 7.5
FCC ID #: AZ489FT4855  Model #: H18QDH9PW7AN  Serial #: 320CEN3609	Battery with charger unit	USMC Fire Dispatch Radio	Communication between SONGS FD and Camp Pendleton MCB fire dispatch	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use ORANGE PHONE, PAX telephone system, cell phones, 800MHz Radio System	EPlan 8.5.6

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List**(continued)

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
0R2TRD1	Panel 2/3L424 2/3L484	NRC Emergency Telecommunications System (ETS) [ENS, HPN, PMCL, RSCL]	NRC dedicated telephone lines to NRC Operations Center	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones	EPlan 7.5
70': 2/3D870T AWS: Unknown	48VDC Comm. Battery system	Plant private automatic exchange telephone (PAX) System	Diverse, highly reliable, battery-backed, site telephone system (3000+ handsets)	Frequent monitoring and use	Timely repair equipment. Use 800 MHz radio system, cell phones, satellite phones	EPlan 7.5
2/3L425-1, 3L414 2/3L425-5 ZL428	Q084-2, Q084, Q084-8, 2Q083	800MHz Radio System (Consoles, portable and hand-held radios)	UHF radio communication between TSC, EOF, OSC and offsite monitoring teams.	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones	EPlan 7.5,8.5.8
2/3L210	Q033-9	Paging System (Site Public Address System)	Routine in-plant paging	Frequent monitoring and use	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones, 800MHz Radio System	EPlan 8.5.4
0R2TIV1	Panel 2/3L424, 2/3L484	Plant Emergency Response Telephone (PERT)  (IVORY PHONE)	Direct communications between in-plant emergency control centers	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones, 800MHz Radio System	EPlan 7.5
0R2TBG1	Panel 2/3L424	Radiation Protection Telephone (BEIGE PHONE)	Direct hotline for dose assessment function between RP Leaders in TSC and EOF	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use PAX telephone system, cell phones, satellite phones	EPlan 7.5

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

**SONGS Emergency Plan / Emergency Response Facilities Equipment List** (continued)

Equipment ID	Power Supply	Equipment Description <sup>2</sup>	Required EP Function	How Function Assessed/Verified	Compensatory Measures	Regulatory Basis/ EPlan Reference
0R2TBR1	Panel 2/3L424	Technical Information Telephone  (BROWN PHONE)	Direct hotline for coordination of technical data between Technical Leaders in TSC and EOF	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use PAX system, cell phones, satellite phones, 800MHz Radio System	EPlan 7.5
	Internal	Evacuation Shutdown Panel (EVSD) / Essential Plant Parameters Monitoring Panel (EPPM) PAX Phones	Dedicated PAX circuit phones at the EVSD and EPPM.	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use 800 MHz Radio System	None
2/3L290	Q06618	Public Address (PA) Systems	Backup, group communications in OSC, EOF, Assembly Areas	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment	None
	Various 120VAC power supplies	Facsimile Machines	Disseminate hard copy information among TSC, OSC, EOF, AEOF, Site Assembly Areas	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment	None
	battery	Cellular phones	OSC Field Team communications to OSC	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use satellite phones, 800MHz Radio System	None
	Panel 2/3D870T	CR Satellite Telephone	Backup communications in CR. connects CR to Generation Control Center (GCC) Rosemead and Irvine, CA	Surveilled in accordance with SO123-VIII-0.301	Use PAX system, cell phones, 800MHz Radio Sys.	None
	Battery Powered	Satellite Telephones	Handheld phones, backup communications at staging areas/EKits	Surveilled in accordance with SO123-VIII-0.301	Timely repair equipment. Use PAX system, cell phones, 800MHz Radio Sys.	None

<sup>2</sup> Generally, plant systems/processes (e.g., radiation monitoring systems, critical functions monitoring system, fire detection systems) programmatically maintained and used in the assessment of emergency conditions are not duplicated herein.

### Emergency Response Equipment - Compensatory Measures

Equipment ID	
Equipment Description	
ERF / Location	
Nuclear Notification	

1.0 **Describe Emergency Plan Function / Reference:**

---

---

1.1 Category: Check the appropriate box

- ☐ Indication for a parameter used to assess and Emergency Action Level Threshold.
- ☐ Means of fulfilling an emergency response function other than above.

1.2 List the compensatory measure used:

---

---

1.3 List the time period approved for the compensatory measure (e.g., 90 days). For periodic monitoring or sampling, list the event trigger(s) designated to increase the frequency:

---

---



## Emergency Response Equipment - Compensatory Measures

### 2.0 Does the compensatory measure fully maintain the emergency response function?

- ☐ Yes
- ☐ No

Basis:

---

---

### 3.0 Communication

- 3.1 For planned maintenance activities, and for unplanned maintenance expected to result in the equipment unavailable for more than 30 days, create an N-EPE task assigned to EP for evaluation of the compensatory measure under 10 CFR 50.54(q).
  - 3.1.1 Planned maintenance shall not proceed until the EPE task is approved.
  - 3.1.2 Compensatory measures should be used immediately in the case of unplanned maintenance without waiting for the EPE task to be completed.
- 3.2 Notification of ERO
  - 3.2.1 For planned maintenance, generate an NN task to EP Manager to notify the ERO.
  - 3.2.2 For unplanned maintenance, direct the On Call EPC to notify the ERO as soon as practical.
- 3.3 Generate an NN task to EP to track the compensatory measure.
- 3.4 Review SO123-0-A7 for reportability requirements and actions.

## Emergency Response Equipment - Compensatory Measures

### 4.0 Review / Approval

4.1 Reviewer should be an EP qualified On-Call Emergency Planning Coordinator (EPSTQ3).

4.2 Compensatory Measures Acceptance Criteria

#### NOTE

Temporary compensatory measures that are put in place while the affected equipment is being restored to full functionality are not considered changes to the emergency plan. However, an evaluation should address the capability of function and the timeliness of the compensatory measure compared to the intended function of the degraded equipment.

The Reviewer completes the following evaluation:

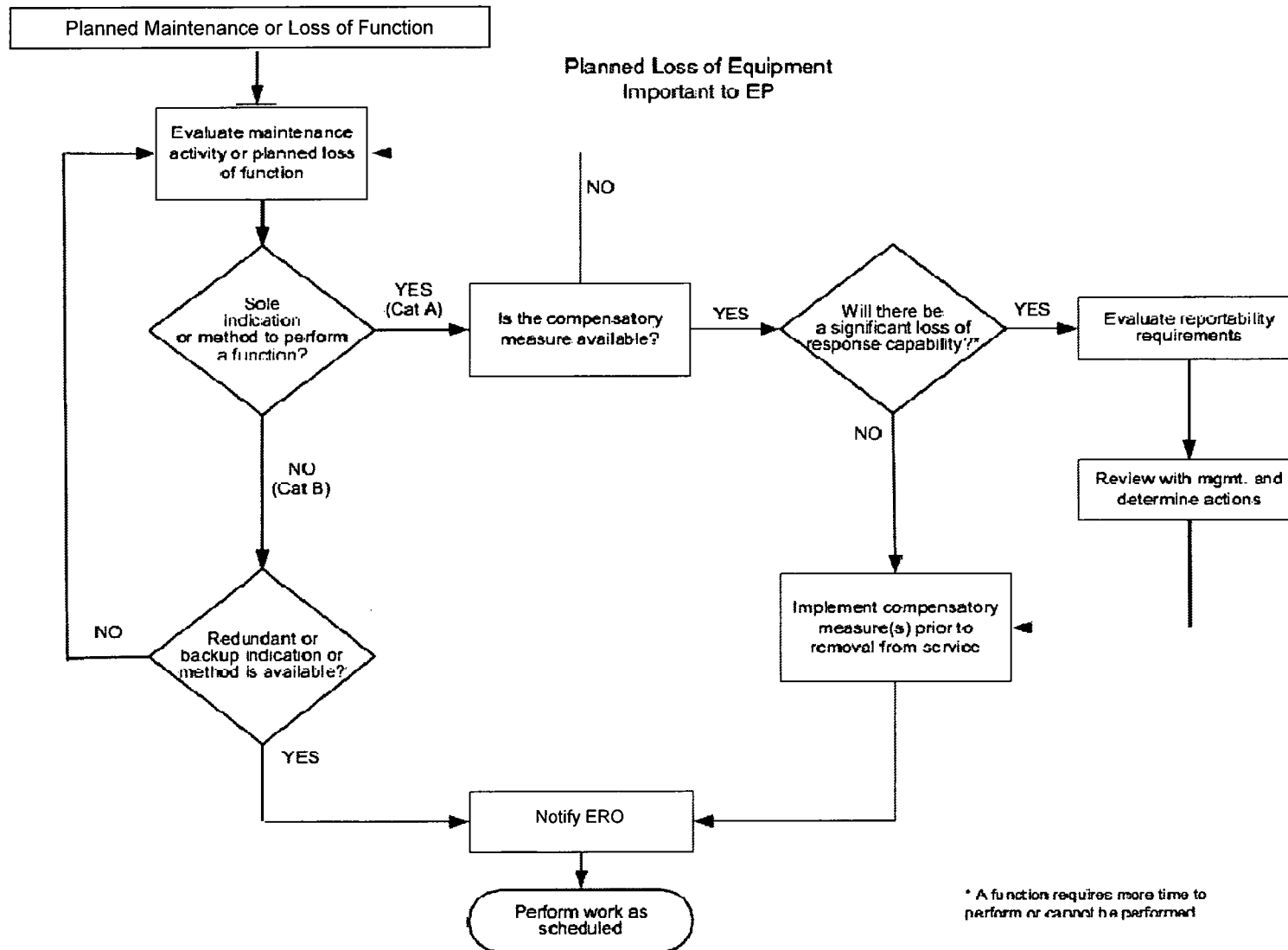
SAT	Compensatory Measure Evaluation Criteria
	Compensatory measures provide specific, clear, and actionable guidance.
	Alternate indications/components include specifics such as the person or position assigned responsibility for actions associated with the compensatory measure, the actions required by the compensatory measure, and the periodicity for the compensatory action, as well as the review and approval authority.
	Compensatory measures are the best available means to maintain the emergency preparedness function. Compensatory measures may include redundant equipment.

Prepared by: \_\_\_\_\_  
Print Name / Signature Date

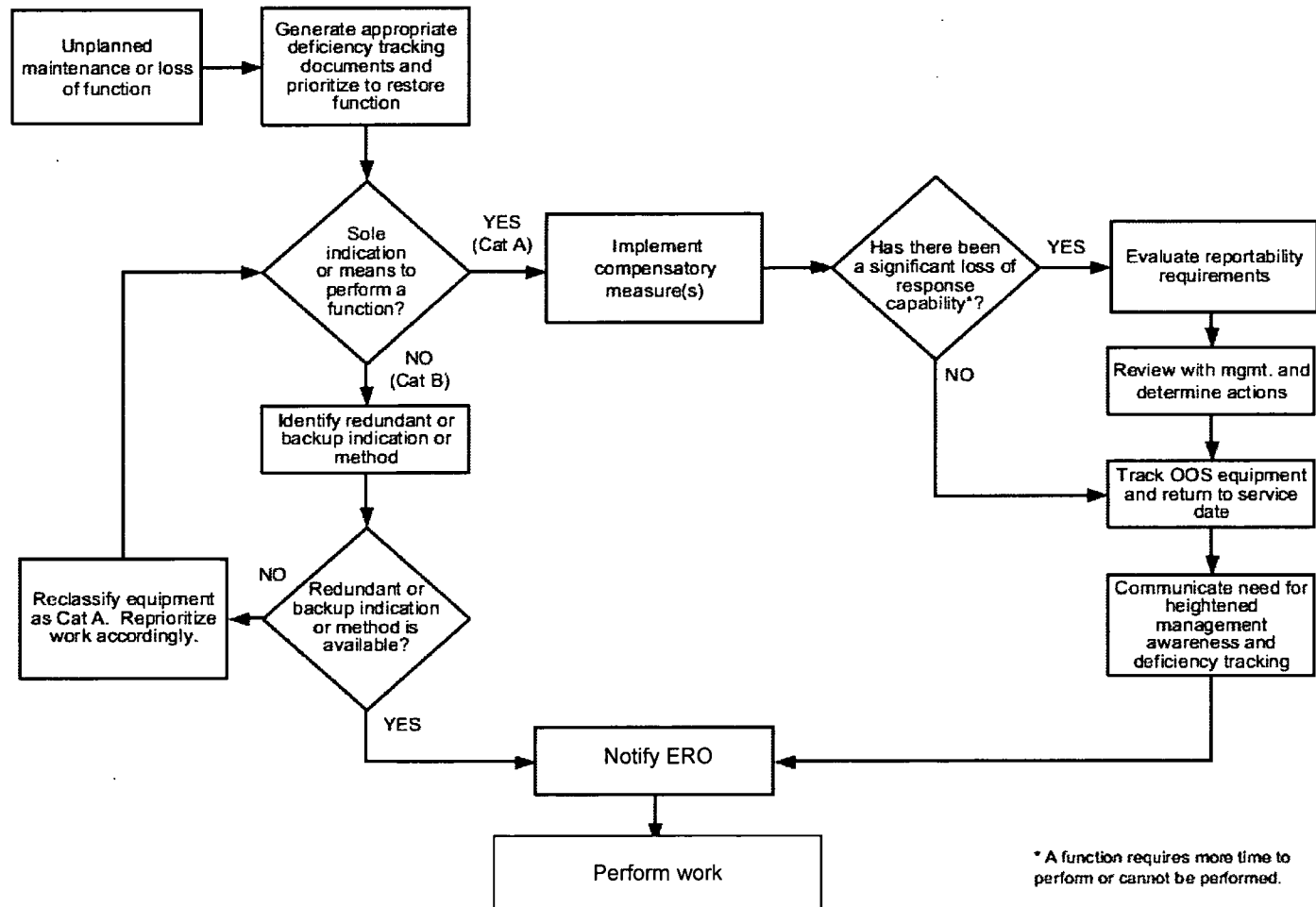
Reviewed by: \_\_\_\_\_  
Print Name/ Signature Date

Approved by: \_\_\_\_\_  
Print Name/ Signature Date

### Planned Loss of Equipment Important to EP



### Unplanned Loss of Equipment Important to EP



### Summary of Changes

Author: Andy Wells PAX: 86916 Location: D1N

NN, Order, or Other Action	Description of Change	50.59	Step, Section, Attachment or Page
NN 200807629	Upgrade the procedure to the standards outlined in SO123-XV-109.	DNA	All
NN 202342331	Implemented INPO 10-007 to ensure SONGS meets industry excellence standards in how it maintains its' equipment and facilities used in meeting the requirements of SONGS Emergency Plan		All

Reviewers	Organization
Mayra Alvarado	EP Cog Sup
Todd Gallaher	CAP-PI
Mehrdad Hojati	Design Engineering
Debbie Lindbeck	EP
Tom Godwin	Telecom
Al Flynn	Ops
Rich St. Onge	NRA
Will Jump	Work Control
Frank Grovich	50.59 / 72.48 Determination
David Vanderwoude	50.59 / 72.48 Determination
Jared Steven	SPG - Info Only - Upgrade
David Burda	NOD
Debbie Lindbeck	EP CFDM

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## SECURITY LEADER DUTIES

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## SECURITY LEADER DUTIES

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### 1.0 OBJECTIVE

- 1.1 Provide guidance to Security Leader (SL) for directing emergency response activities from Technical Support Center (TSC), or other location as directed by Emergency Coordinator (EC)/Station Emergency Director (SED).

### 2.0 REFERENCES

#### 2.1 Procedures

- 2.1.1 SO123-VIII-60.1, OSC Security Coordinator Duties
- 2.1.2 SO123-VIII-60.4, Security Director Duties
- 2.1.3 SO123-VIII-1, Recognition and Classification of Emergencies
- 2.1.4 SO123-IV-5.4, Protected Area/Vital Area Emergency Vehicle/Personnel Access
- 2.1.5 SO123-XV-109, Procedure and Instruction Format and Content
- 2.1.6 SO123-XV-HU-3, Written Instruction Use and Adherence

#### 2.2 Other

- 2.2.1 Emergency Response Telephone Directory (ERTD)
- 2.2.2 Form EP(123) 294, Personnel Accountability
- 2.2.3 Form EP(123) 5, Turnover Status

### 3.0 PREREQUISITES

- 3.1 Emergency Planning is responsible for ensuring the current copy of this document is in the emergency notebook for use during declared emergencies and drills.
- 3.2 Personnel are responsible for ensuring the current copy of this document is used when not in a declared emergency or drill by verifying this document is current using one of the methods described in SO123-XV-HU-3.
- 3.3 Verify level of use requirements on the first page of the document.

---

## SECURITY LEADER DUTIES

---

### 1.0 OBJECTIVE

- 1.1 Provide guidance to Security Leader (SL) for directing emergency response activities from Technical Support Center (TSC), or other location as directed by Emergency Coordinator (EC)/Station Emergency Director (SED).

### 2.0 REFERENCES

#### 2.1 Procedures

- 2.1.1 SO123-VIII-60.1, OSC Security Coordinator Duties
- 2.1.2 SO123-VIII-60.4, Security Director Duties
- 2.1.3 SO123-VIII-1, Recognition and Classification of Emergencies
- 2.1.4 SO123-IV-5.4, Protected Area/Vital Area Emergency Vehicle/Personnel Access
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- 2.1.6 SO123-XV-HU-3, Written Instruction Use and Adherence

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- 2.2.2 Form EP(123) 294, Personnel Accountability
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- 3.3 Verify level of use requirements on the first page of the document.



#### 4.0 **PRECAUTIONS**

4.1 EC duties **SHALL** normally be performed by the Units 2/3 Shift Manager (SM) prior to turnover to the SED, and ultimately by the Corporate Emergency Director (CED).

4.1.1 Prior to turnover of EC title to the CED, only the EC (SM/SED) may authorize:

- Emergency Event Declaration/Classification
- Site Assembly and Site Evacuation
- Notification to Offsite Agencies
- Offsite Protective Action Recommendations
- Exceeding 10CFR20 Exposure Limits

4.1.2 When the EC title is turned over to the CED, the EC duties are split between the SED and the CED. Following turnover of EC title to the CED,

.1 The SED retains the authority for:

- Emergency Event Declaration/Classification
- Site Assembly
- Exceeding 10CFR20 Exposure Limits

.2 The CED assumes the authority for:

- Notification to Offsite Agencies
- Offsite Protective Action Recommendations
- Site Evacuation

4.2 Following turnover of EC title to CED, references and actions directed to EC **SHALL** continue to be directed to SED.

4.3 In event of a declared emergency due to implementation of Safeguards Contingency Plan (SCP), the SL has the option to remain in a tactical post to direct security force response. If SL exercises this option, he/she **SHALL** immediately assign an Acting SL to coordinate security actions in the TSC.

4.4 Voice Radio Communications During a Safeguards Contingency

4.4.1 If possibility of a bomb or other explosive device exists, then, advise SM/SED/CED to restrict radio transmissions within a 300 foot radius of a suspected device.

#### 5.0 **CHECKLIST(S)**

5.1 None

## 6.0 PROCEDURE

### 6.1 TSC ACTIVATION

#### NOTES

- 1) Non-emergency response personnel are individuals (e.g., site personnel, construction forces, visitors, and vendors) who are not required for immediate response during an emergency.
- 2) Actions prescribed within this procedure are required only when emergency response facilities (ERFs) are activated, or as directed by EC.

- 6.1.1 Contact Central Alarm Station (CAS) Supervisor to remind Security Processing Facility (SPF) personnel that recalled ERO members who declare alcohol consumption within the past 5 hours should be directed to AWS Cafeteria for Shift Manager (SM)/SED authorization to enter PA, or undergo alcohol screening.
- .1 Periodically advise SM/SED regarding personnel who are waiting to enter PA.
- 6.1.2 Implement Attachments 2 and 3 and review all emergency class sections (i.e., Alert, SAE, and GE) of this procedure for applicable steps.
- 6.1.3 Discuss relief shift vehicle route with TSC Manager.
- 6.1.4 Periodically ask Technical Leader, Health Physics (HP) Leader, and Emergency Group Leader (EGL) whether occurrences during an event could be attributed to sabotage of plant equipment.
- .1 If possibility of sabotage exists, then discuss with SM/SED whether implementation of SCP is required.

#### NOTE

Suspension of Security/Safeguards measures and procedures invokes 10CFR50.54(x) and (y) and requires SRO approval (is typically done by the Shift Manager) and notification to NRC.

- 6.1.5 When directed by Security Management to support protection of health and safety of workers or public, or to support immediate plant recovery actions, then obtain approval from SED for suspension of Security/Safeguards measures and procedures.
- 6.1.6 Maintain a log of decisions and actions required by EIPs.
- .1 Provide documentation of conditions, events, and communications wherever appropriate to ensure a complete and adequate record, to minimize misunderstanding, and to identify items requiring follow-up actions.

## 6.2 **ALERT or HIGHER EMERGENCY CLASS**

### **NOTES**

- 1) If site is in a declared Security Event [Initiating Condition (IC) HU4, HA4, HS4, or HG1], then Operations Support Center (OSC)/TSC may not be staffed. Protected Area Personnel Accountability (PAPA) System is not used if OSC/TSC is located outside the PA (e.g., alternate ERF in Building E-50).
- 2) Site Assembly or Site Evacuation may be ordered at any time by SM/SED based on existing or trending plant conditions.

- 6.2.1 The SL may activate PAPA card readers prior to facility activation for the TSC, OSC and EOF when the potential activation of the TSC, OSC, and EOF exist.
- 6.2.2 Protected Area Personnel Accountability (PAPA) Process
  - .1 All personnel entering TSC should badge into the Emergency Accountability Card reader.
  - .2 If person is unable to badge in; then manually record person's information on Form EP(123) 294, Personnel Accountability.
  - .3 If available, then request an in-house dispatch of a TSC team member (preferably a Security Officer) to go to CAS to obtain an updated emergency accountability roster.
  - .4 Provide all TSC Coordinators with Form EP(123) 294 to initiate backup accountability of their personnel if Emergency Accountability Card Reader is unavailable or inoperable.

### **NOTE**

Camp Pendleton Area State Parks personnel will consider closing the beach adjacent to SONGS at initial declaration of Alert.

- 6.2.3 If State Beach (adjacent to SONGS) Evacuation has been ordered by SM/SED/CED, then proceed as follows:
  - .1 If people have not left beaches, then inform Camp Pendleton Area State Parks Dispatch Office (see ERTD).
  - .2 If watercraft/aircraft are sighted, then evaluate sighting, and report to San Diego Office of Disaster Preparedness (See ERTD).
  - .3 Provide the following information, if possible:
    - Your name and location;
    - Watercraft/Aircraft identification number
    - Watercraft/Aircraft location and direction
    - Watercraft/Aircraft type and color
    - Real or potential nature of problem (e.g., safety hazard, nuisance)
    - Return telephone number

6.2.3.4 Report this notification to SM/SED and Security Director in EOF.

6.2.4 Site Assembly: go to Step 6.3.3 of this procedure.

6.2.5 Site Evacuation: go to Step 6.3.4 of this procedure.

6.3 **SITE AREA EMERGENCY (SAE) or HIGHER EMERGENCY CLASS**

**NOTES**

- 1) Site assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency (SAE) or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.
- 2) Section 6.2 must be implemented when an SAE is the initial emergency class.

6.3.1 Perform Protected Area Personnel Accountability within 30 minutes of an SAE declaration by SM/SED as follows:

- .1 Direct CAS to generate an Emergency Accountability report and deliver it to the TSC immediately.
- .2 Review results of the report with SM/SED within 30 minutes.

6.3.2 Within 30 minutes of an SAE declaration, perform the following steps **when Emergency Card Reader is unavailable or inoperable**:

- .1 Notify the On Shift Security Commander (OSSC) to deliver their OSC hard copy Forms EP(123) 294 accountability data to TSC.
- .2 Advise all TSC Leaders to turn in their personnel accountability forms.
- .3 Identify personnel within PA who are unaccounted for by comparing Emergency Accountability Report with Accountability Forms EP(123) 294 from all ERFs within PA.
- .4 Review PA accountability report of missing personnel with SM/SED and TSC Manager, if TSC is activated.

6.3.3 Site Assembly

- .1 Coordinate with HP Supervisor/HP Leader and EOF Administrative Leader if designated Site or Local Assembly Areas cannot be used, and determine suitable alternates for assembly, if directed by SM/SED.

**NOTE**

OSC begins preparation steps for Site Evacuation upon OSC activation.

6.3.4 Site Evacuation

- .1 Request assistance from HP Leader to determine if evacuating north, south, or using normal departure routes, and confirm direction with SM/SED/CED.
- .2 When EOF is activated, then coordinate with EOF Security Liaison regarding potential evacuation routes/traffic control assistance.
- .3 Verify with OSSC that preparatory steps of Site Evacuation Plan have been completed.
- .4 Direct OSSC to activate Site Evacuation Plan per SO123-VIII-60.1, and provide evacuation direction (north, south or normal routes).
- .5 Obtain from the HP Leader parking lots which are known or likely to have vehicle contamination for the purposes of closing the parking lots and preventing the use of the vehicles for evacuation.
- .6 Close parking lots identified as being contaminated.
- .7 Ensure EOF Administrative Leader or TSC Manager is notified of parking lot closures to determine transportation requirements and to notify Assembly Area Coordinators of closed parking lots and to hold personnel needing transportation until arrival.
- .8 Direct EOF Administrative Leader or TSC Manager to determine if last known plant location of any missing person has been reported by an Assembly Area Coordinator.
- .9 Provide all available information on missing person(s) (i.e., identity and last known plant location) to OSSC.
- .10 Advise SM/SED/CED when Site Evacuation has started.
- .11 Advise SM/SED/CED when vehicular evacuation of site is completed.

6.4 **GENERAL EMERGENCY (GE)**

- 6.4.1 Sections 6.2 and 6.3 must be implemented when a GE is initial emergency class.

6.5 **TSC RELOCATION**

6.5.1 If TSC is ordered to relocate, then proceed to alternate TSC location with the following documents:

- .1 Security Leader Notebook
- .2 Log Book
- .3 SCP (if present)

6.6 **RECOVERY**

6.6.1 Initiate Recovery when requested by SM/SED.

- .1 Provide a list of damaged security equipment which would prevent safeguards operations being resumed with normal station organization. Contact OSSC for input to this list.
- .2 Recommend Security personnel and equipment necessary for a recovery organization.

7.0 **RECORDS**

7.1 Deliver all Security logs, procedures, attachments, etc., to TSC Manager.

## **EMERGENCY INFORMATION**

### **EVENT STATUS**

- ☐ PLANT EMERGENCY
- ☐ SECURITY EVENT
- ☐ THIS IS A DRILL

### **EMERGENCY CLASS**

- ☐ NOTIFICATION OF UNUSUAL EVENT
- ☐ ALERT
- ☐ SITE AREA EMERGENCY
- ☐ GENERAL EMERGENCY

### **AFFECTED UNIT / LOCATION**

- ☐ SITE WIDE
- ☐ UNIT 2
- ☐ UNIT 3
- ☐ ISFSI
- ☐ OCA

### **RADIOACTIVE RELEASE IN PROGRESS**

- ☐ YES
- ☐ NO

### **PLANT LOCATIONS TO AVOID:**

---

### **SPECIAL INSTRUCTIONS TO ARRIVING PERSONNEL**

- ☐ EATING, DRINKING, AND SMOKING ARE PROHIBITED

#### **ERO ONLY - IMMEDIATELY PROCEED TO**

- ☐ YOUR NORMAL ERF
- ☐ MESA BLDG E-50
- ☐ ALTERNATE EOF

#### **ALL OTHERS**

- ☐ PROCEED WITH YOUR NORMAL WORK ASSIGNMENT
- ☐ REPORT TO THE NEAREST ASSEMBLY AREA
- ☐ EVACUATE THE SITE USING:
  - ☐ NORMAL TRAFFIC ROUTES
  - ☐ SOUTH EVACUATION ROUTE
  - ☐ NORTH EVACUATION ROUTE

## SECURITY LEADER ACTIVATION OF EMERGENCY RESPONSE FACILITY

<p>1. Report your presence to the EC in the TSC or Control Room.</p>	<p>2. EVENT: Classification/Reclassification</p> <p>Event                  Time</p>	<p>3. Obtain Emergency information from the EC (TSC or Control Rm) or HP Leader and complete Attachment 1.</p>	<p>4. Establish communications with the OSSC.</p> <p>Name: _____</p> <p>Pax: _____</p> <p>Direct OSSC to advise Security personnel at access control posts to notify arriving personnel of information contained in Attachment 1.</p>
<p>5. Remind the OSSC to coordinate the movement of security personnel on the Site through the OSC.</p>	<p>6. At Alert or higher, direct OSSC to coordinate the recall of uniformed Security force members.</p> <p><input type="checkbox"/> Required                  <input type="checkbox"/> Not required</p> <p>Completion of Recall: Time                  Init</p> <p>Total recalled and estimated arrival time</p>	<p>7. Remind the OSSC to implement Security Procedure SO123-IV-5.4, Emergency Access to PAs and VAs.</p>	<p>8. Establish communications with the Security Supervisor.</p> <p>Name: _____</p> <p>Pax: 89287 or _____</p>
<p>9. Establish communications with the EOF Security Liaison.</p> <p>Name: _____</p> <p>Pax: _____</p>	<p>10. Coordinate with the HP leader, each 15-20 minutes to determine radiological protection for personnel arriving on Site or entering the PA.</p> <p><input type="checkbox"/> Required                  <input type="checkbox"/> Not required</p>	<p>11. If the SPF or SSPF, or OCA or Mesa Area access point is inaccessible or inoperable, then designate (in coordination with HP Leader) an alternate access point(s) for ERO and vehicles.</p> <p>_____ Alternate Point</p>	<p>12. Inform the SM/SED of situational changes which affects the event classification or the Site security posture.</p> <p><input type="checkbox"/> Required                  <input type="checkbox"/> Not required</p>
<p>13. Anytime the emergency is reclassified, advise the OSSC to ensure all Security personnel are aware of the reclassification.</p>	<p>14. When directed by the SM/SED, suspend any security safeguards measures and prepare a Reactor Plant Event Notification Worksheet.</p> <p>50.54x,y    <input type="checkbox"/>                  <input type="checkbox"/>                     Yes                  No</p> <p>Measures suspended</p>	<p>15. Restore and inspect as soon as practical, any suspended measures.</p> <p><input type="checkbox"/> Required                  <input type="checkbox"/> Not required</p>	<p>16. When the recall SL arrives at the TSC: Conduct turnover with the oncoming SL per Form EP(123) 5. Report completion of turnover to the EPC.</p>



## **SECURITY LEADER EMERGENCY RESPONSE COORDINATION**

### **LOCAL AREA EVACUATIONS**

1. In the event on-duty Security Personnel report any of the following conditions, ensure EC or SED is immediately informed followed by the EOF Security Director:
  - High radiation alarms or unexpected high radiation levels on Area Radiation Monitors (ARMs), building or containment ventilation monitors, portable radiation monitors, or continuous air monitors
  - Spills of radioactive material
  - Fire Protection System Actuation
  - Toxic/flammable gases or heavy smoke reported
  - Chemical hazards to personnel
  - High pressure steam or water leaks
  - Security hazards which threaten personnel or equipment safety
  - Local report of fire or smoke
  - Any other condition which may present a hazard to plant personnel
2. If any hazards listed above exist, then initiate a Local Area Evacuation upon confirmation with SM /SED.
3. If any hazards listed above affect major portions of the PA, OCA, or Mesa Area, then recommend PA evacuation or Site Assembly to remove personnel from area to SM /SED.
4. Direct OSSC to dispatch Security Officer(s) to the scene, if requested.
5. Log time and report of the hazard(s), and time report was relayed to SM /SED.
6. When requested by personnel coordinating re-entry efforts into previously evacuated areas, provide security considerations and support.

**SUMMARY OF CHANGES**

SO123-VIII-60

Rev. 25

Author: Paul Haug PAX: 89290 Location: D1N

NN, Order, or Other Action	Description of Change	50.59	Step(s), Section(s) or page number
NN 202118048	Changed "Administrative Supervisor (Post 1A)" to "Central Alarm Station Supervisor".	DNA	Step 6.1.1
NN 202096672	Added step: The SL may activate PAPA card readers prior to facility activation for the TSC, OSC and EOF when the potential activation of the TSC, OSC, and EOF exist.		Step 6.2.1

Reviewers	Organization
Larry McCann	EP – Cog Sup
Jamey Sharlow	EP
Rodney Karstetter	Security
Ross Quam	Security
Larry Pepple	EP- Info Only
Dennis Brill	Training - Info Only
Al Flynn	Ops- Info Only
Debbie Lindbeck	EP - CFDM

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## OSC SECURITY COORDINATOR DUTIES

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## OSC SECURITY COORDINATOR DUTIES

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### 1.0 OBJECTIVE

- 1.1 Provide guidance for coordinating emergency response activities by Operations Support Center Security Coordinator (OSSC) from Operations Support Center (OSC).

### 2.0 REFERENCES

#### 2.1 Procedures

- 2.1.1 SO123-VIII-60, Security Leader Duties
- 2.1.2 SO123-IV-5.4, Protected Area/Vital Area Emergency Vehicle/Personnel Access
- 2.1.3 SO123-VIII-60.2, EOF Security Liaison Duties
- 2.1.4 SO123-XV-109, Procedure and Instruction Format and Content
- 2.1.5 SO123-XV-HU-3, Written Instruction Use and Adherence

#### 2.2 Other

- 2.2.1 Form EP(123) 5, Turnover Status
- 2.2.2 Form EP(123) 294, Personnel Accountability
- 2.2.3 Form EP(123) 4-G, Dispatch Checklist
- 2.2.4 Security Tactical Response Plan
- 2.2.5 NN 202065874-CA0004, Notify ERO Members of Changing Radiological Conditions

### 3.0 PREREQUISITES

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- 3.2 Personnel are responsible for ensuring the current copy of this document, when not in a declared emergency or drill by using of one of the methods described in SO123-XV-HU-3.
- 3.3 Verify level of use requirements on the first page of the document.

#### **4.0 PRECAUTIONS**

- 4.1 EC duties shall normally be performed by the Units 2/3 Shift Manager (SM) prior to turnover to the Station Emergency Director (SED), and ultimately by the CED.
- 4.1.1 Prior to turnover of EC title to the CED, only the EC (SM/SED) may authorize:
- Emergency Event Declaration/Classification
  - Site Assembly and Site Evacuation
  - Notification to Offsite Agencies
  - Offsite Protective Action Recommendations
  - Exceeding 10CFR20 Exposure Limits
- 4.1.2 When the EC title is turned over to the CED, the EC duties are split between the SED and the CED. Following turnover of EC title to the CED,
- .1 The SED retains the authority for:
- Emergency Event Declaration/Classification
  - Site Assembly
  - Exceeding 10CFR20 Exposure Limits
- .2 The CED assumes the authority for:
- Notification to Offsite Agencies
  - Offsite Protective Action Recommendations
  - Site Evacuation
- 4.2 Provide immediate information to Security Leader (SL) regarding any Plant condition or event which leads to or may lead to implementation of SONGS Safeguards Contingency Plan (SCP).
- 4.3 All security teams/personnel postings are coordinated and tracked through OSSC in OSC.

## 5.0 CHECKLIST(S)

### 5.1 OSC Security Coordinator Continuous Task Checklist

#### NOTE

The following list should be reviewed every 15 minutes: event reclassification, radiological or other hazardous conditions change, whichever occurs first.

- |       |   |
|-------|---|
| 5.1.1 | Any change to plant emergency conditions, radiological release, or other hazards should be communicated to all personnel (Steps 6.1.7, 6.1.13).   |
| 5.1.2 | Contact SPFs and Mesa Security to determine if any ERO are still awaiting entry into PA or EOF due to report of alcohol consumption within the past 5 hours. If personnel are awaiting entry then contact SL for further instruction (Step 6.1.10). |
| 5.1.3 | Check on status of Site Evacuation Preparatory steps (Attachment 2, Section 1.0). Provide update to EGL and SL when preparatory steps have been completed, or if preparatory steps (i.e., bollard removal) cannot be completed.                     |
| 5.1.4 | Keep an accurate, legible, and complete log of decisions and actions (Step 6.1.9).  |
| 5.1.5 | If site assembly/PA evacuation has been ordered, contact CAS/SAS to ascertain status and report to SL when outbound turnstile activity has stopped, or all personnel have exited hold down areas, if used.  |

## 6.0 **PROCEDURE**

### 6.1 **OSC ACTIVATION**

#### **NOTE**

The work group title Radiation Protection (RP) and Health Physics (HP) are considered the same.

- 6.1.1 Report to OSC Emergency Group Leader (EGL).
  - .1 Sign in on OSC Staffing Board and notify EGL of your presence.
  - .2 Inform EGL that ten (10) sets of security keys to Vital Area (VA) portals are available.
  - .3 If security keys are requested, then issue keys and log person's name, badge number, key set number, time issued, and time of return in Logbook/Key Log Report.
- 6.1.2 Obtain PAX phone from Emergency Kit. Plug it into modular plug labeled for security.
  - .1 Report your arrival and PAX number in OSC to SL in TSC, Security Director in EOF, Central Alarm Station (CAS) Supervisor, and Secondary Alarm Station (SAS) Operator.
  - .2 Obtain current SONGS Security Post Assignment roster.
- 6.1.3 For a Non-Security Alert or higher emergency class, implement Site Evacuation preparation steps in accordance with Attachment 2, Section 1.0.
- 6.1.4 Inform Radiation Protection (RP) Coordinator of exact locations of security personnel assigned to stationary posts and update the RP Coordinator of any changes.
- 6.1.5 Notify Security ERO members in the field of changing radiological conditions (Reference 2.2.5).
- 6.1.6 Verify EOF Security Liaison is assigned and implementing SO123-VIII-60.2, EOF Security Liaison Duties.
- 6.1.7 When directed by SL, initiate recall of off-shift security personnel in accordance with existing Security instructions.
- 6.1.8 Provide information in Attachment 1, Emergency Information, to staff at SPFs, North Access Gate, and Mesa Access Gate to update information status board as changes occur.

- 6.1.9 Establish radio contact on security radio channel, and use proper radio protocols.
  - .1 If there is a suspected bomb or other explosive device, then advise security officers to direct personnel in immediate area to restrict radio transmissions, cellular phones, etc., for a minimum radius of 300 feet, whenever possible.
- 6.1.10 Maintain a log of decisions and actions required by EIPs.
  - .1 Provide documentation of conditions, events, and communications wherever appropriate to ensure a complete and adequate record, to minimize misunderstanding, and to identify items requiring follow-up actions.
- 6.1.11 Contact SPF(s) and EOF Security post to determine if any arriving ERO have declared alcohol consumption in the past 5 hours. If so, advise SL of emergency response personnel (ERP) who have declared alcohol consumption within the last 5 hours, and are waiting entry into PA or EOF.
- 6.1.12 Monitor security-related emergency conditions continuously.
  - .1 Report all security response actions to SL in event SCP is implemented in response to a security event.
- 6.1.13 If emergency is reclassified, then ensure all security personnel are notified of reclassification, and repeat Step 6.1.7 of this procedure.
- 6.1.14 Upon initial classification, event reclassification, or event close-out, review each subsection (6.2, 6.3, etc.) of this procedure to ensure all required steps are performed.
- 6.1.15 Call CAS at PAX 89123 to initiate Emergency Accountability.



## 6.2 **PROTECTED AREA PERSONNEL ACCOUNTABILITY (PAPA) PROCESS**

### **NOTE**

1. If site is in a declared Security event (EAL Initiating Conditions HU4, HA4, HS4, and HG1), then OSC/TSC may not be staffed. PAPA is not used if OSC/TSC is located outside the PA (e.g. alternate ERF in Building E-50).
2. When the potential activation of the TSC, OSC, and EOF exist then the SL has the discretion to activate the PAPA card readers for these facilities.

6.2.1 If the PAPA card reader has not been activated for Alert or higher emergency classes, then the SL shall call CAS at PAX 89123 and have CAS initiate the Emergency Accountability system.

6.2.2 For Alert or higher emergency classes, or when directed by SL call CAS at PAX 89123 and have them initiate the Emergency Accountability system.

.1 All personnel entering OSC should badge into the card reader at the entrance to the OSC.

.2 If person is unable to badge in to an ERF card reader then manually record that person's information on Form EP(123) 294, Personnel Accountability.

.3 If available, request an in-house dispatch of an OSC team member (preferably a Security Officer) to go to CAS to obtain an updated Emergency Accountability Report.

.4 All personnel permanently exiting OSC should log out of PAPA-ERF system or accountability form.

.5 Obtain list of Operations watchstanders from Operations Coordinator and log all on Form EP (294).

6.2.3 For Alert or higher emergency classes, or when directed by SL, perform this step when the Emergency Accountability system is unavailable or inoperable.

.1 Provide all OSC Coordinators with Form EP(123) 294 to initiate backup accountability of their personnel.

### 6.3 SITE EVACUATION

#### NOTES

- 1) Site Assembly followed by Site Evacuation is mandatory for all Non-Emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.
- 2) Non-Emergency response personnel are persons (e.g., station personnel, construction forces, visitors, and vendors) who are not required to mitigate an emergency.
- 3) When a declared Security Event is in progress, inform EGL that Security personnel will not be able to support these activities.

6.3.1 If a Site Evacuation has been ordered, then perform the following steps:

- .1 Obtain status from SL of emergency conditions, contaminated areas, and direction of site evacuation.
- .2 Notify OCA Supervisor of site evacuation order, evacuation route, and to initiate activation steps of Attachment 2, Section 2.0.
- .3 Report to SL when activation steps of Attachment 2 have been completed.
- .4 Report start of site evacuation to SL.
- .5 Report completion of site evacuation to SL.

6.3.2 Direct security search teams or in-place personnel to "sweep" PA, OCA, and Mesa Area to ensure complete evacuation of site, retrieve Safeguards Information material left unattended, and promptly identify discovered injured personnel to SL.

- .1 Ensure security sweep teams are dispatched in accordance with Section 6.10, Security Team Dispatch.
- .2 Report results of sweeps to SL.
- .3 Direct Security sweep teams to turn in safeguards information to other Security personnel.

6.3.3 When directed by EGL, SM, or SED to permit re-entry into evacuated areas, provide security support for re-entry efforts and coordinate with SL.

6.4 **MUTUAL AID**

6.4.1 If off-site emergency vehicles or equipment are responding to SONGS request for assistance during emergency event, then perform the following steps:

- .1 Ensure off-site responders are aware of any known radiological, chemical or biological hazards associated with response as provided by Emergency Services Coordinator.
- .2 Ensure unimpeded entry of properly identified emergency response personnel and equipment per SO123-IV-5.4, Protected Area/Vital Area Emergency Vehicle/Personnel Access.
- .3 Ensure emergency vehicles are directed to designated (PA) entry points.
- .4 Notify EGL and security personnel of their arrival and destination.

6.5 **LOCAL AREA HAZARDS/LOCAL EVACUATION**

6.5.1 If safety hazards exist (Fire, Smoke, Fumes, Radiological, etc.) which threaten personnel or equipment safety, then contact SL for instructions.

- .1 If a safety hazard exists for Security personnel in a HDP, or other fixed post, immediately contact SL and request 50.54(x) approvals to relocate affected security post(s).
- .2 If affected area is CAS or SAS, then contact SL for instructions.
- .3 If requested, dispatch security personnel to local area, and coordinate with Team Leader.
- .4 Inform SL of all actions taken and times.

6.6 **SITE ASSEMBLY/PROTECTED AREA EVACUATION**

**NOTES**

- 1) Site assembly followed by site evacuation is mandatory for all non-emergency response personnel at a Site Area Emergency or higher classification, unless assembly or evacuation exposes personnel to a greater hazard.
- 2) Alternate PA evacuation point(s) may be designated by SL in coordination with HPL. Put search trays at each alternate evacuation point for badge collection purposes.

6.6.1 If directed by SL, coordinate security personnel to perform the following:

- .1 Collect security photo-identification badges, visitor badges, and visitor escort badges from evacuating personnel from SPF and South SPF badge drop containers.
- .2 Direct evacuating security personnel to retain Safeguards Information materials.

6.6.2 Unless otherwise directed, ensure all personnel exiting PA and visitors proceed to proper assembly area as follows:

North PA - AWS Multipurpose Room  
South PA - K-50 Building

- .1 When directed by SL, direct temporary closure of SPF and/or South SPF except for facilitating PA entry/reentry of ERP and their emergency vehicles.
- .2 When requested, direct Security Rover(s) to obtain an approximate count of privately owned vehicles parked in all parking locations, and inform SL of counts, by location.

## 6.7 **ACCOUNTABILITY**

- 6.7.1 After 15 minutes following the SAE declaration, or request for accountability information by SL, direct CAS to generate a new Emergency Accountability Roster.
- .1 Verify radiological conditions and need for RP coverage with OSC RP Coordinator.
  - .2 Deliver current Emergency Accountability Report and any Form EP (294) to SL.
- 6.7.2 If Security Computer/PA exit card readers are inoperable, or normal PA evacuation process is bypassed, then perform accountability as follows:
- .1 Post a security officer at the exits and have them manually account for those personnel exiting the PA on Form EP (294).
  - .2 Visitor / Escort badges will also be collected at these posts.
  - .3 If an escort is discovered missing then include a list of assigned visitors who are unaccounted for.
  - .4 Immediately deliver Form EP (294) to SL upon completion of evacuation or direction of the SL.

## 6.8 **EXPOSURE CONTROL**

- 6.8.1 If a SAE is declared, or site assembly or site evacuation is ordered, then direct security force, via security radio network, that no smoking, eating, or drinking is permitted until clearance is given by RP.
- .1 Coordinate with RP to ensure posted security personnel exposures are held as low as reasonably achievable.
- 6.8.2 Provide RP Coordinator with locations of all security personnel remaining on post inside PA after site assembly or evacuation.
- .1 Use site maps/diagrams (e.g., PSP or SCP figures) provided to identify post locations.
  - .2 Provide RP protection to those locations.
- 6.8.3 Evacuate all security posts when there is a hazard to security personnel, as directed by SL.
- .1 Determine compensatory measures to be implemented with SL prior to evacuating any security posts unless conditions require immediate relocation.
- 6.8.4 Provide security assistance with contaminated injuries to escort emergency vehicles within PA, when directed.
- 6.8.5 Ensure updated hazard information is transmitted to all security posts and search teams on security radio.

6.9 **SECURITY TEAM DISPATCH**

**NOTES**

- 1) For security-related tasks that are less than ten minutes in duration; are not within a hazardous area; and not a mitigation effort, tracking should be by logbook entry.
- 2) For security-related tasks that are greater than ten minutes in duration; are not within a hazardous area; and not a mitigation effort, acquire information regarding hazards within the plant and provide that information to Security Team prior to their dispatch and then complete Sections 1 and 2 of the Dispatch Checklist, Form EP(123) 4-G.

- 6.9.1 Contact security personnel who have been assigned without OSC coordination to obtain OSC tracking information and ensure these personnel are tracked by OSC.
  - .1 Activate teams from manning level on Form EP(123) 4-G, Dispatch Checklist, and indicate STATUS as STANDBY.
  - .2 Dispatch security personnel as requested by EGL and advise SL.
- 6.9.2 During a declared security event, recommend to EGL that a security person be assigned to each repair team to act as an escort, as available.
- 6.9.3 Assemble a Response Team when directed by EGL, or when a security team is required (e.g., sweeps), as follows:
  - .1 Complete Sections 1 and 2, Form EP(123) 4-G, Dispatch Checklist.
  - .2 Brief team and complete Section 3, Craft Briefing.
  - .3 If heavy smoke and/or visual obstruction is anticipated, then direct team to use life lines.
  - .4 RP will complete Section 4, HP Briefing.
  - .5 When team is assembled, obtain EGL approval to dispatch team. Record dispatch time in Section 5.
  - .6 Distribute checklist per distribution on form.
- 6.9.4 When team returns to OSC, ensure team follows all RP control practices.
  - .1 Debrief team and record pertinent information in Section 6, Response Team Debriefing, of checklist.
  - .2 Inform RP Radio Operator and Status Board Keeper of team's return.
  - .3 Retrieve copies of checklist provided to RP Radio Operator and Status Board Keeper.
  - .4 Provide completed checklist to OSC EPC.

6.10 **PHYSICAL SECURITY PLAN (PSP)**

- 6.10.1 If provisions of PSP cannot be maintained, then inform SL.
- 6.10.2 During a security event, request EGL provide appropriate plant support personnel to augment security teams to conduct PA/VA searches and inspections.
- 6.10.3 Advise EGL, by monitoring radio communications, of plant location when each search area has been completed.
- 6.10.4 Request SL to obtain a waiver of Security/Safeguards procedures when procedures are directly interfering with medical, fire and/or rescue efforts.
- 6.10.5 Request SL determine with SED if access will be granted to delivery vehicles entering PA.

6.11 **AIRCRAFT**

- 6.11.1 Direct security to report low flying aircraft over the plant or near PA perimeter.
  - .1 If aircraft are sighted in vicinity of SONGS during an emergency, then report aircraft (news helicopters, private planes, etc.) to SL, providing as many details to describe aircraft as possible.
  - .2 If contacted by SCE Air Operations, then determine, from TSC RP Leader, if it is safe to approach site.
  - .3 Notify SL and EOF Security Liaison of all incoming helicopters.

6.12 **WATERCRAFT**

- 6.12.1 Direct security to report watercraft sightings anywhere offshore on the plant frontage.
  - .1 If watercraft are sighted offshore from SONGS during an emergency, then report watercraft (sailboat, fishing boat, etc.) to SL, providing as many details to describe watercraft as possible.

6.13 **TURNOVER**

- 6.13.1 When a relief OSSC arrives conduct a turnover using Form EP(123) 5, Turnover Status.
  - .1 Record completion of turnover in log; and report completion of turnover to SL.

6.14 **RECOVERY**

- 6.14.1 When requested by EGL, recommend additional security personnel and equipment necessary for a recovery organization.
- 6.14.2 When emergency conditions have been corrected or are stable, restore and inspect all normal and relaxed security procedures as soon as practicable.
  - .1 Inform SL of restoration and inspection of security procedures.

6.15 **OSC RELOCATION**

- 6.15.1 If an OSC Relocation is ordered, then proceed to designated alternate facility as directed by EGL.
  - .1 Direct security personnel to an alternate location as ordered by SL in coordination with RP.
  - .2 Remove all documents and communication equipment necessary to allow continued security response.
  - .3 Establish contact with SL upon completion of relocation, and ensure on-shift Security Officers are notified of new OSC location upon re-activation.

7.0 **RECORDS**

- 7.1 Deliver all Security logs, procedures, attachments, etc., to OSC EPC.



## **EMERGENCY INFORMATION**

### **EVENT STATUS**

- ☐ PLANT EMERGENCY
- ☐ SECURITY EVENT
- ☐ THIS IS A DRILL

### **EMERGENCY CLASS**

- ☐ NOTIFICATION OF UNUSUAL EVENT
- ☐ ALERT
- ☐ SITE AREA EMERGENCY
- ☐ GENERAL EMERGENCY

### **AFFECTED UNIT / LOCATION**

- ☐ SITE WIDE
- ☐ UNIT 2
- ☐ UNIT 3
- ☐ ISFSI
- ☐ OCA

### **RADIOACTIVE RELEASE IN PROGRESS**

- ☐ YES
- ☐ NO

### **PLANT LOCATIONS TO AVOID:**

---

### **SPECIAL INSTRUCTIONS TO ARRIVING PERSONNEL**

- ☐ EATING, DRINKING, AND SMOKING ARE PROHIBITED

#### **ERO ONLY - IMMEDIATELY PROCEED TO**

- ☐ YOUR NORMAL ERF
- ☐ MESA BLDG E-50
- ☐ ALTERNATE EOF

#### **ALL OTHERS**

- ☐ PROCEED WITH YOUR NORMAL WORK ASSIGNMENT
- ☐ REPORT TO THE NEAREST ASSEMBLY AREA
- ☐ EVACUATE THE SITE USING:
  - ☐ NORMAL TRAFFIC ROUTES
  - ☐ SOUTH EVACUATION ROUTE
  - ☐ NORTH EVACUATION ROUTE

## **SITE EVACUATION**

### 1.0 PREPARATION

#### **NOTE**

Necessary bollard removal gear should be staged near area of the bollards. A minimum of 2 personnel, 1 forklift, and removal gear are required to remove bollards.

- 1.1 Contact South Overwatch Post to ascertain whether removable bollards are in place in front of Nasatka vehicle barrier adjacent to South Gate.
- 1.2 If removable bollards are in place then:
  - 1.2.1 Contact EGL or Maintenance Coordinator to request maintenance team, including forklift, be dispatched to South Gate area to remove bollards.
  - 1.2.2 Instruct South Overwatch Post to notify OSC when bollards have been removed.
- 1.3 Notify LLEA per Security Instructions that Site Evacuation preparation is underway and to request LLEA to stand-by for assistance should a site evacuation be ordered.
- 1.4 OCA Supervisor will ascertain status of all evacuation routes, and will report any traffic impediments or hazards on all evacuation routes to OSC immediately.
- 1.5 OCA Supervisor or Security Rovers will obtain an approximate count of vehicles parked in OCA and Mesa Area parking lots and report this information to OSSC.  
Mesa: \_\_\_\_\_ Plant Side: \_\_\_\_\_ Total: \_\_\_\_\_
- 1.6 If Camp Mesa is open then OSC Security Coordinator will contact Camp Attendant or designee to ensure all camp residents are notified of plant emergency as follows. If Camp Attendant cannot be contacted then OSC Security Coordinator will dispatch a Security Rover to perform initial notification.
  - 1.6.1 Provide Emergency Classification (Alert, etc.)
  - 1.6.2 If resident is towing a trailer/5th wheel, instruct residents to unhitch trailer/5th wheel to prepare to leave in vehicle.
  - 1.6.3 If resident has a motor home with a 2nd vehicle, instruct residents to prepare to leave in 2nd vehicle; otherwise prepare to leave in their motor home.
  - 1.6.4 Unless directed otherwise, instruct residents to immediately drive vehicles to parking lots near building G-50 and assemble in the G-50 Site Assembly Area and await further instructions.
  - 1.6.5 Provide Camp Attendant phone number to contact OSSC for questions or, upon evacuation order, to report to OSSC when evacuation is complete.

## **SITE EVACUATION** (Continued)

- 1.7 OSC Security Coordinator shall relay vehicle count, any identified evacuation route traffic impediments, and Site Evacuation Preparation step completion to SL.

### 2.0 ACTIVATION

#### **NOTES**

- 1) North-bound evacuations (normal traffic routes) will always be the preferred route. During dayshift or outage periods, the 4 way stop near the North gate may need a Security Officer present to assist in maintaining traffic flow from OCA and Parking Lot 4.
- 2) South-bound evacuations may require a Security Officer present on Hwy-101 just outside OCA South Gate. Use of a lighted vehicle strategically placed in area is recommended.
- 3) Consider using North or South over-watch towers to ascertain current traffic flow and provide alerts to OCA Supervisor if traffic flow is impeded.
- 4) Consider requesting assistance from USMC Military Police in event Mesa area is evacuated using South Evacuation Route. USMC policy requires a vehicle with Emergency Lights activated to be lead escort vehicle when evacuating through Camp Pendleton.

- 2.1 Upon request from OSC to begin Site Evacuation, OCA Supervisor shall:

- 2.1.1 Instruct all OCA access control posts to deny site access to persons and vehicles except for the following:

- recalled ERO;
- on-site and off-site emergency response vehicles; and
- delivery or service vehicles required in safe shut-down of the plant.

- 2.1.2 Instruct all OCA access control posts to instruct all authorized incoming personnel as to safest passable route to their destination.

- 2.2 OCA Supervisor will instruct Security Officers to position themselves to assist where traffic congestion may occur.

- 2.3 Contact LLEA per Security Instructions to notify LLEA that Site Evacuation has been initiated and to request traffic control support.

- 2.4 If a South evacuation has been ordered, then OCA Supervisor shall provide a time estimate to OSC when all Security and LEA resources are ready to assist in site evacuation. This time estimate should factor in time required to open all state park and Camp Pendleton gates.

- 2.5 OCA Supervisor shall notify OSC when site evacuation has started, and when it has been completed; this information will be relayed to TSC upon receipt.

## **SITE EVACUATION** (Continued)

### 3.0 **EVACUATION DIRECTIONS**

#### 3.1 **North Evacuation**

North site evacuation routes for evacuating personnel and their uncontaminated vehicles from the site onto Interstate 5 (I-5) are outlined below.

- 3.1.1 A northbound evacuation constitutes evacuating site using normal traffic routes onto I-5. Traffic flow is controlled by established traffic signs, traffic signals, and uniformed law enforcement personnel.

#### 3.2 **South Evacuation**

South site evacuation routes for evacuating personnel and their uncontaminated vehicles from the site onto I-5 are outlined below.

- 3.2.1 Parking Lots 2, 2A, and K-Zone parking areas:

1. **If South Gate access is available:** Exit South Gate via normal traffic routes onto H-101, turn right (south) at traffic signal, head south through State Park Gate, travel through Park onto Marine Corps Base, Camp Pendleton, to I-5 View Point location. Travel through View Point's parking area onto I-5 south.
2. **If South Gate access is NOT available:** Exit site using normal traffic routes and queue with traffic exiting North Plant parking lots. Turn left (south) on H-101 and travel south through State Park Gate, travel through Park onto Marine Corps Base, Camp Pendleton, to I-5 View Point location. Travel through View Point's parking area onto I-5 south.

- 3.2.2 North Plant Road parking spaces, and reservoir parking spaces: Exit North Gate via normal traffic routes, onto San Onofre Drive, queuing with vehicle traffic exiting from Parking Lots 3 and 4. Turn left (south) on H-101 and join queue of traffic exiting South Gate onto H-101 heading south through State Park Gate, travel through Park onto Marine Corps Base, Camp Pendleton, to I-5 View Point location. Travel through View Point's parking area onto I-5 south.

- 3.2.3 Parking Lots 3 and 4: Exit using normal traffic routes to San Onofre drive. Turn left (south on H-101) and join queue of traffic exiting South Gate onto H-101 heading south through State Park Gate, travel through Park onto Marine Corps Base, Camp Pendleton, to I-5 View Point location. Travel through View Point's parking area onto I-5 south.

- 3.2.4 Mesa parking locations: Head to South Evacuation Gate located on southern tip of El Camino Real via most direct traffic route. Head south onto Marine Corps Base, Camp Pendleton, following access road straight to Las Pulgas Gate House. Exit through Las Pulgas gate and follow directional signs leading to I-5 south (under I-5 overpass) via Las Pulgas to I-5 on ramp.

**SUMMARY OF CHANGES**

SO123-VIII-60.1

Rev. 22

Author: Larry McCann PAX: 89281 Location: D1N

NN, Order, or Other Action	Description of Change	50.59	Step(s), Section(s) or page number
SO123-XV-109	Updated Prerequisite statement.	DNA	Prereq 3.1
Business Transformation	Added Note stating Health Physics (HP) and Radiation Protection (RP) mean the same thing.		Note above Section 6.1
202006555	Added Note, "When the potential activation of the TSC, OSC, and EOF exist then the SL has the discretion to activate the PAPA card readers for these facilities."		Section 6.2
	Added step, "If the PAPA card reader has not been activated for Alert or higher emergency classes, then the SL shall call CAS at PAX 89123 and have them initiate the Emergency Accountability system."		Step 6.2.1
Business Transformation	Updated Health Physics (HP) to Radiation Protection (RP).		Throughout

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SO123-XXI-1.11.3, Revision 28

SONGS

SONGS

**EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION**

Procedure Usage Requirements		Sections
Information Use	<ul style="list-style-type: none"> <li>The performer reviews the procedure before using it to perform the task.</li> <li>The user may complete the task from memory. However, the user is responsible for performing the activity according to the procedure.</li> <li>Information use documents that contain a specific process order are performed in the given order unless otherwise specified within the document.</li> </ul>	All

Color Usage	Location
"This Document Contains Relevant Color"	Attachment 2

Level 1 – QA PROGRAM AFFECTING

50.59 DNA / 72.48 DNA / RX DNA

Procedure Owner

George Medina

EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

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## EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

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## EMERGENCY PLAN TRAINING PROGRAM DESCRIPTION

### 1.0 PURPOSE

#### NOTE

This procedure includes Improved Technical Specifications **[ITS]** information that is NOT applicable to Current Technical Specifications **[CTS]** and **[CTS]** information that is NOT applicable in **[ITS]**. The **[CTS]** information shall be used prior to the **[ITS]** effective date. The **[ITS]** information shall be used on or after the **[ITS]** effective date.

- 1.1 To describe the San Onofre Nuclear Generating Station (SONGS) Emergency Plan Training Program which implements the requirements contained in References 10.1.1.1 through 10.1.6.10.

END of SECTION

### 2.0 SCOPE

- 2.1 The Emergency Response Organization (ERO) Training Program is a non-accredited training program designed to train ERO personnel to perform the duties of the ERO for both initial and continuing training. The initial training program ensures that entry-level personnel have the required knowledge and skills to perform the duties as Emergency Responders and the continuing training program ensures the incumbents maintain and improve job performance through development of job-related knowledge and skills. This program is designed to protect the health and safety of the public and our workers.

END of SECTION

### 3.0 **RESPONSIBILITIES**

#### **NOTE**

Some program elements are implemented by other Divisional programs with EP oversight. Reference Attachment 3, Ownership of ERO Training Elements, to identify the Program Owner for specific units of instruction modules listed in the EPTPD.

#### 3.1 **EP Manager** is responsible for:

3.1.1 The Emergency Plan Training Program and overall ERO performance.

#### 3.2 **Emergency Planning Operations (EPO)** is responsible for scheduling and coordinating:

3.2.1 Drills and Table-Top Training

3.2.2 Develop Drill and Critique reports

3.2.3 Oversee and Implement EP Surveillance Program

3.2.4 EP Performance Indicator Assessments of Licensed Operator Qualification (LOR)

#### 3.3 **EPO Manager** is responsible for:

3.3.1 Managing and maintaining the on-site and offsite emergency response plan/program

3.3.2 Interfacing with off-site agencies

3.3.3 Reviewing and responding to Regulatory issues

3.3.4 Planning and conducting the Annual NRC Program Inspection

#### 3.4 **Emergency Planning Support (EPS)** is responsible for reviewing and maintaining the content of:

3.4.1 EP / ERO Initial/Continuing Training Lesson Plans

3.4.2 Qualification Walkthrough (QWT) documents

3.4.3 Web Based Training (WBT) modules

3.4.4 ERO Attainment Requirements per Attachment 2

3.4.5 Drills and Table-Top Training

- 3.5 **EPS Manager** or designee is responsible for:
  - 3.5.1 Managing and maintaining ERO Initial/Continuing Training Program
  - 3.5.2 Supporting Training Program Description (TPD) revisions
  - 3.5.3 Supporting Web Based Training (WBT) Module modification as specified by EP
  - 3.5.4 Supporting ERO qualification curriculum changes as requested by the EPTAC
- 3.6 **Nuclear Training Division Operations (NTD OPS)** Continuing Training Supervisor or designated Program Lead is responsible for:
  - 3.6.1 Licensed Operator Requalification (LOR) training
  - 3.6.2 Ensuring VISION is updated
- 3.7 **Nuclear Training Division Engineering (NTD ENG)** Continuing Training Supervisor or designated Program Lead is responsible for:
  - 3.7.1 Severe Accident Management Guideline (SAMG) and Core Damage Assessment initial and continuing training
  - 3.7.2 Ensuring VISION is updated
- 3.8 **Nuclear Training Division Radiation Protection (NTD RP)** Continuing Training Supervisor or designated Program Lead is responsible for:
  - 3.8.1 Dose Calculation and RAD Dose V initial and continuing training
  - 3.8.2 Ensuring VISION is updated
- 3.9 **ERO members** are responsible for:
  - 3.9.1 Reviewing SO123-XV-ERO-1 annually.

END of SECTION

#### 4.0 **PRECAUTIONS / LIMITATIONS**

##### 4.1 **Precautions**

- 4.1.1 Notify Compliance and Emergency Planning upon issuance of any Revisions/ECs to this document for submittal to the NRC (Reference 10.1.1.7).
- 4.1.2 Precaution related to changing this procedure:
  - 4.1.2.1 10CFR50.54(q) screening/evaluation is required for all revisions, including editorial changes in accordance with SO123-VIII-0.100.

##### 4.2 **Limitations**

- 4.2.1 None

END of SECTION

#### 5.0 **PREREQUISITES / INITIAL CONDITIONS**

##### 5.1 **Prerequisites**

- 5.1.1 **VERIFY** this document is current by using one of the methods described in SO123-XV-HU-3.
- 5.1.2 **VERIFY** Level of Use requirements on the first page of this procedure.
- 5.1.3 In order to designate an individual as a member of the Emergency Response Organization, reference SO123-VIII-0.202 and complete form EP(123) 100 using the Emergency Response Personnel (ERP) Code determined from this procedure.

##### 5.2 **Initial Conditions**

- 5.2.1 None.

END of SECTION

## 6.0 **PROCEDURE**

### 6.1 **Maintaining the Emergency Plan Training Program**

- 6.1.1 The Emergency Plan Training Program Lead will maintain the Emergency Plan Training Program described in Attachments 1 and 2 of this procedure per SO123-XXI-12.2 ISS2.

### 6.2 **Determining Emergency Response Personnel (ERP) Codes/Training Curriculum**

- 6.2.1 Emergency Response Organization (ERO) positions, ERP Codes, Training encodes required for Initial and Continuing ERP qualification are identified in Attachment 2.

### 6.3 **Assignment of Emergency Response Personnel**

- 6.3.1 Responsibilities for assigning personnel, reviewing and maintaining qualifications are established in References 10.1.3.2 and 10.1.6.7.

### 6.4 **Emergency Planning Staff Professional Development Training**

- 6.4.1 The Emergency Planning (EP) Manager (or designee), Emergency Planning Operations (EPO) Manager (or designee) and Emergency Planning Support (EPS) Manager (or designee) shall ensure their respective Emergency Planning Staff receive initial and continuing professional development training commensurate with their assigned duties and responsibilities.

#### 6.4.2 **Initial Training**

- 6.4.2.1 The EP / EPO Manager (or designee) shall use the Emergency Planning Staff Training Qualification Manual (EPSTQM) to select tasks for completion and/or exemption.
- 6.4.2.2 The Emergency Planning Staff Training Initial Qualification section (EPSTQ1) is required training for Emergency Planning personnel assigned to permanent positions and is a prerequisite to subsequent Qualification Guide Sections.

#### **NOTE**

If an industry sponsored training program cannot be scheduled and attended, the EP/ EPO/ EPS Manager (or designee) may select an alternate training method (e.g. In-house training, OJT/TPE, etc.) if in the Managers judgment, it is a reasonable equivalent, in content, to the established industry emergency planning training.

- 6.4.2.2.1 Section EPSTQ1 requires assigned Emergency Planning Staff members to attend Emergency Planning training provided by the nuclear industry. This section is to be completed within one year of the staff assignment date.
- 6.4.2.3 Additional assigned sections of the EPSTQM are to be completed within two years of the staff assignment date.

6.4.3 Continuing Training

- 6.4.3.1 Continuing training course work selection and professional development for EP personnel is to be reviewed and updated annually by the EP / EPO/ EPS Manager (or designee). Additional staff training and development activities will be performed following completion of the assigned sections of the EPSTQM.
- 6.4.3.2 The 50.54(q) Evaluator training requires 50.54(q) Seminar (Encode 5054SE) and 50.54(q) Screenings and Evaluations (Encode 54QQWT). A retraining frequency of every two calendar years is required for 54QQWT. Expiration of 54QQWT requires initial training using 5054SE and 54QQWT to requalify as a 50.54(q) Evaluator.
- 6.4.3.2.1 The Emergency Planning group is required to maintain a minimum of three EP Staff members as qualified 50.54(q) Evaluator (Ref. EPSTQM).
- 6.4.3.2.2 The Nuclear Oversight Division (NOD) is required to maintain at least one NOD Staff member with 50.54(q) Seminar (Encode 5054SE) training only to provide 50.54(q) peer checks.
- 6.4.3.2.3 The Operations Division is required to maintain at least one Operations SRO (current or previously licensed) qualified 50.54(q) Evaluator.

6.5 **Emergency Response Organization Standards and Expectations**

- 6.5.1 Performance standards and expectations for ERO trainees and qualified ERO members is contained in SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations.

6.6 **Simulator Drills and EP Assessments**

- 6.6.1 Emergency Planning is responsible for scheduling simulator drill time in coordination with the Operations Training Schedule.
- 6.6.1.1 Emergency Planning Staff shall maintain overall control of drill activities through an Operations Training Lead Instructor during scheduled drills.
- 6.6.2 Emergency Planning Staff shall coordinate with Operations Training when performing EP Performance Indicator assessments during a scheduled Operator requal training cycle.
- 6.6.2.1 An Operations Training Lead Instructor shall maintain control of and direct simulator function during EP assessment activities.
- 6.6.2.2 EP Staff shall not interfere with Operations simulator training when performing EP assessment functions.

END of SECTION

## 7.0 **ACCEPTANCE / FUNCTIONAL CRITERIA**

### 7.1 **Acceptance Criteria**

7.1.1 None

### 7.2 **Functional Criteria**

7.2.1 None

END of SECTION

## 8.0 **RETENTION / RECORDS**

8.1 The records of individuals participating in the Emergency Plan Training Program shall be maintained in T2000 and archived by Corporate Documentation Management-SONGS (CDM-SONGS).

8.2 The 50.54(q) Evaluator qualification record (54QQWT) of personnel will be maintained in T2000 and archived by CDM-SONGS under RPA# 04-033.

END of SECTION

## 9.0 **ACRONYMS / DEFINITIONS**

9.1	<u>CDE</u>	Committed Dose Equivalent
9.2	<u>EP:</u>	Emergency Planning
9.3	<u>EPO:</u>	Emergency Planning Operations
9.4	<u>EPS:</u>	Emergency Planning Support
9.5	<u>ERO:</u>	Emergency Response Organization
9.6	<u>RCS</u>	Reactor Coolant System
9.7	<u>SRO:</u>	Senior Reactor Operator
9.8	<u>TEDE</u>	Total Effective Dose Equivalent
9.9	<u>TPD:</u>	Training Program Description
9.10	<u>WBT:</u>	Web Based Training

END of SECTION

**INFORMATION USE**

## 10.0 **REFERENCES / COMMITMENTS**

### 10.1 **Implementing Reference**

#### 10.1.1 **Commitments**

- 10.1.1.1 Unit 1 Permanently Defueled Technical Specification, Section D6.8.1.e
- 10.1.1.2 **[CTS]** Licensee Controlled Specification, Section 5.0.103.1.1.b  
**[ITS]** SO123-EP-1, SONGS Emergency Plan Implementation
- 10.1.1.3 10CFR50.47, Emergency Plans
- 10.1.1.4 10CFR55.45, Operating Tests
- 10.1.1.5 10CFR55.49, Integrity of Examinations and Tests
- 10.1.1.6 10CFR50, Appendix E, Emergency Planning and Preparedness for production and Utilization Facilities, Section IV.F, Training
- 10.1.1.7 10CFR50, Appendix E, Emergency Planning and Preparedness for production and Utilization Facilities, Section V, Implementing Procedures
- 10.1.1.8 10CFR50.54(q), Conditions of Licenses
- 10.1.1.9 10CFR50.120, Training and Qualification of Nuclear Power Plant Personnel
- 10.1.1.10 NN 201507385, NRC Safety Evaluation Report, dated July 26, 2007 [Attachment 1, Paragraph K]

#### 10.1.2 **Corrective Actions to Prevent Recurrence (CAPR)**

- 10.1.2.1 None

#### 10.1.3 **Procedures**

- 10.1.3.1 SO123-VIII-0.100, Maintenance and Control of Emergency Planning Documents
- 10.1.3.2 SO123-VIII-0.202, Assignment of Emergency Response Personnel
- 10.1.3.3 SO123-VIII-0.401, Emergency Preparedness Performance Indicators
- 10.1.3.4 SO123-VIII-40.100, Dose Assessment
- 10.1.3.5 SO123-XV-21 ISS2, Nuclear Training Program Oversight
- 10.1.3.6 SO123-XV-27.2, On The Job Training and Evaluation for Non-Accredited Training Programs
- 10.1.3.7 SO123-XV-HU-3, Written Instruction Use and Adherence
- 10.1.3.8 SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations
- 10.1.3.9 SO123-XXI-12.1 ISS2, Training Program Lead Duties

## **INFORMATION USE**



10.1.4     Drawings

10.1.4.1     None

10.1.5     Manuals

10.1.5.1     None

10.1.6     Other

10.1.6.1     NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

10.1.6.2     Topical Quality Assurance Manual (TQAM), Chapter 1-H

10.1.6.3     San Onofre Nuclear Generating Station Emergency Plan

10.1.6.4     San Onofre Nuclear Generating Station Manual of Emergency Events

10.1.6.5     INPO 09-006, Guidelines for Training and Qualification of Emergency Response Organization Personnel

10.1.6.6     Form TN(123) 412, Exemption or Waiver (Reference: SO23-XXI-REC)

10.1.6.7     EPPG-SO23-G-2, Emergency Response Organization Fundamentals and Standards Guideline

10.1.6.8     Form EP(123) 17, ERO Training Advisory Committee (TAC) Agenda

10.1.6.9     Form EP(123) 100, Emergency Response Personnel Assignment

10.1.6.10    D-036, Emergency Plan Implementation

10.2    Developmental References

10.2.1     Commitments

10.2.1.1     None

10.2.2     Corrective Actions to Prevent Recurrence (CAPR)

10.2.2.1     None

10.2.3     Procedures

10.2.3.1     None

10.2.4     Orders

10.2.4.1     SO123-TN-1, Nuclear Organization Training

END of SECTION

## Training Program Description And Administration

### a. PROGRAM OVERVIEW

The Emergency Plan Training Program Description (EPTPD) identifies the appropriate training requirements for personnel assigned to the SCE Emergency Response Organization (ERO) to ensure they attain the necessary knowledge and skill to perform their assigned job functions in a competent, safe, and efficient manner during a declared emergency. The program applies to selected personnel at the San Onofre Nuclear Generating Station (SONGS) and other Corporate departments. It consists of Web-Based Training (WBT), Qualification Walk-Through (QWT) training, and classroom training. Web-based training is developed by Emergency Planning (EP), input by Nuclear Training Division (NTD) Program Developers, and administered either at WBT Labs, or on personal computers. All QWT, classroom, and emergent training will be conducted by the Site EP staff, NTD, and the Line Organization. These experts need not be certified as instructors. However, they should be recognized as Subject Matter Experts by the Manager, EP or be a qualified incumbent for the position for which the training is applicable in order to help trainees master the material.

### b. TRAINING ADVISORY COMMITTEE (TAC) MEETINGS

#### NOTE

The EP Council Meeting and non-accredited Training Advisory Committee (TAC) meeting can be credited as an EP TAC as long as the EP TAC is on the meeting agenda, and designated agenda items are discussed and contained in the meeting minutes.

Once every quarter, the Training Advisory Committee (TAC) will meet to review the training requirements for the program using EP (123) 17, EP TAC Agenda. A TAC quorum includes the following members, or their designated alternates:

Division/Group	Position
Executive Management	Plant Manager (Chair)
Executive Management	Manager
Emergency Planning	Manager
Operations Training	Manager
Technical / Engineering Training	Leader / Coordinator (TSC, OSC, or EOF)
Radiation Protection	Leader / Coordinator (TSC, OSC, or EOF)
Maintenance	Leader / Coordinator / Director (TSC, OSC, or EOF)
Security	Divisional Line Incumbent (2 minimum)
Divisional Line Incumbent (2 minimum)	Plant Manager (Chair)

## **Training Program Description And Administration**

### **c. TRAINING REQUIREMENTS**

INPO 09-006, Guidelines for Training and Qualification of Emergency Response Organization Personnel, provides guidelines on the knowledge and skills for both Initial and Continuing training. NUREG 0654 has specific evaluation criteria for measuring response to an emergency. A graded approach is used for the administration and documentation of emergency response training. The extent of training is based on the importance of the job to the health and safety of the plant, personnel, general public and the environment and on the complexity of the job performance requirements.

### **d. TARGET AUDIENCE**

The target audience for the program, is designated in Reference 10.1.3.2, and consists of all Emergency Response Personnel. These personnel, as defined in Reference 10.1.6.3, may be called upon during an emergency to perform duties to mitigate plant accident conditions.

Emergency Response Facility (ERF) staffing is provided by on-shift SONGS personnel and augmented by additional Site Personnel, SCE Corporate personnel, SCE Contract personnel, and offsite emergency response organizations. Each position in the ERO is identified by an Emergency Response Personnel (ERP) Code. ERP Codes are comprised of one or more ENCODE Numbers specific to each ERO position. Encode Numbers may be designated as either a one-time requirement or an annual retraining requirement for maintaining ERO qualifications.

Attachment 2 lists the ERP Code, Position Title, and Facility Location along with the Encodes required for qualification.

### **e. PROGRAM ENTRY SELECTION**

Per SO123-VIII-0.100, personnel are enrolled in the Emergency Plan Training Program by their Cognizant Functional Division Manager (CFDM) or 1410 Supervisor or Position owner/Point of Contact. Upon receipt of the approved form EP(123) 100, the ERP Code shall be entered in T2000 by the EP Staff ERO Administrator. All required ERO web-based continuing training, as specified in Attachment 2, is scheduled by the Division Training Coordinator on an annual basis in conjunction with the ERO member's most restrictive ERO qualification expiration date.

### **f. INITIAL TRAINING COURSE**

The purpose of Initial Training is to provide new Emergency Response Personnel (ERP) with a self-study, web-based training overview of the SONGS Emergency Plan, Organization, and Facilities. Initial training is intended for individuals that are newly assigned to the Emergency Response Organization. Experienced personnel who shift to a new Emergency Response Facility (ERF) may be required to complete portions of the orientation training for the new position. Orientation training provides individuals with knowledge of the following:

1. Overview of Emergency Preparedness functions
2. Basic operations of facilities, equipment, and procedures
3. How to communicate effectively with and understand the functions of the ERO

The Initial Training Course curriculum is listed in Attachment 2. Supplemental training provided by the Line Organization does not satisfy Initial Training Course requirements for qualification of newly assigned Emergency Response Personnel.

## **Training Program Description And Administration**

### **g. QUALIFICATION WALK THROUGH (QWT)**

Some ERP Codes also require completion of a Qualification Walk Through (QWT). For these positions, the QWT will be identified in Attachment 2. QWT Trainers and Evaluators shall be incumbent in the position for which the training is being given, or designated EP staff.

The QWT Trainer shall ensure that all prerequisite training listed on the QWT cover page is complete by documenting the date completed. Enter the ERP Code assignment date, Trainee's Printed Name and PERNR on the top of page 1. The Trainer and the Evaluator shall sign and date the Completion Record section(s) upon demonstrated proficiency of listed knowledge requirements and applicable task performance activities. The task performance section can be accomplished by demonstration, walk through, or simulation in a non-evaluated scenario. A non-evaluated scenario is defined as a scenario that does not count towards the NRC Drill and Exercise Performance (DEP) indicator.

Operations on-shift (O/S) ERP Code QWTs may be completed during attainment of the operator's qualification standards.

### **h. CONTINUING TRAINING**

The purpose of Continuing Training is to address situations such as degraded human performance, plant modifications or equipment changes, task proficiency and industry operating experiences. In addition to annual WBT module retraining, documented participation in annual drills, exercises and tabletops is the prescribed method for continuing training. In the event of non-participation, continuing training will consist of the annual WBT modules required for a specific ERP position, minus the associated QWT.

Continuing training can be achieved by demonstrating proficiency through Site-Wide drills, table-top training sessions, scheduled classroom training, or completed workbooks. The retraining is periodically scheduled during drill preparation in accordance with established drill objectives required by SO123-VIII-0.200, Emergency Plan Drills and Exercises. Special focus sessions may be scheduled at the discretion of the Manager, EP as coordinated with the Manager, Operations Training.

All schedule changes related to ERO Team Training, Pre-Drill Training, Drills and Exercises will be coordinated through the assigned EP Training Coordinator to ensure training commitments are met. Other Training Coordinators are not authorized to make these schedule changes. ERO requirements are delineated in Nuclear Organization Directive D-036, Emergency Plan Implementation and SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations.

### **i. SEVERE ACCIDENT MANAGEMENT GUIDELINES (SAMG)**

**NOTE:** A detailed evaluation of the SAMG implementation process was conducted by NOD, and reported in the Severe Accident Management Program Assessment Report, SA 98-008, dated November 25, 1998.

SAMG Training consists of three levels from lowest to highest, SAMG01 Implementers, SAMG02 Decision Makers, and SAMG03 Evaluators. Continuing SAMG training is tracked using SAMG04 and SAMG05. The SAMG lesson material is given for initial and continuing training in accordance with approved NTD Engineering Training Lesson Plans.

## **Training Program Description And Administration**

### **j. B.5.b MITIGATION STRATEGIES**

B.5.b Mitigation Strategies training provides the expected actions to be taken upon a large loss of the Protected Area to restore Reactor Coolant System (RCS) and Containment Heat Removal safety functions. Determine the impact on normal plant operations, including loss of non 1E power and equipment, potential for significant personnel injury, and the need to mobilize a recovery team.

Licensed Operators receive detailed initial and continuing B.5.b Mitigation Strategies training using approved NTD Operations Training Lesson Plans [NN201507385]. Fire Department personnel receive detailed initial and continuing training in accordance with Fire Department Training Program SO123-XIII-20, Attachment 1, B.5.b Mitigation Strategies [NN 201480055]. All other ERO positions designated in Attachment 2 receive annual computer based B.5.b training using Encode EPTB5B.

### **k. SOURCE TERM AND DOSE ASSESSMENT**

Source Term and Dose Assessment training provides the ability to calculate Total Effective Dose Equivalent (TEDE) and thyroid Committed Dose Equivalent (CDE) projected dose that the public may receive due to an uncontrolled release of radioactive material.

The steps involved in determining a dose assessment are to obtain source term, collect meteorological data, and manually perform off-site dose calculations using Emergency Plan Procedure SO123-VIII-40.100, Dose Assessment. This lesson material is given for initial and continuing training using approved Radiation Protection Training Lesson Plans.

### **l. STATE AND LOCAL OFFSITE LIAISON QUALIFICATIONS**

Members of State and Local Jurisdictions who respond to the EOF as Offsite Dose Assessment Center (ODAC) receive training as designated and scheduled by the EPO Manager. Offsite emergency responders are granted access to the Mesa and the EOF by providing their agencies authorized identification card.

### **m. EXAMINATIONS**

ERO members can take a challenge examination on the lesson material as long as the Required Reading section is completed. The passing criteria for all examinations are 80% or greater. If a student fails a WBT exam, then the student is required to review the training materials for self-remediation and a second exam is administered.

### **n. REMEDIATION**

WBT testing requires an 80% or greater to pass. Self-remediation allows the student to review the lesson material and take a second test. A second test failure after self-remediation suggests the student should contact an instructor/SME (NTD, EP, or ERP qualified in that position) for lesson review before taking another test. Written testing requires 80% or greater to pass unless stated otherwise. A written test failure requires an instructor/SME remediation prior to retesting.

Remediation for a missed Drill and Exercise Performance (DEP) opportunity by an individual in an ERO Key Performance Indicator (KPI) position (Ref. 10.1.3.3) shall follow the remediation process outlined in SO123-XV-ERO-1, Emergency Response Organization (ERO) Standards and Expectations.

## **Training Program Description And Administration**

### **o. EXEMPTIONS**

Emergency Response Personnel may be exempted from specific Continuing Training requirements. A training exemption is a determination that the individual (SCE or contractor) has previously mastered the objectives of a training activity by virtue of past job-related experience or equivalent training/education. Exemption is viewed as a statement of qualification. Exemptions shall be entered in the person's training records using the SONGS NTD Training Exemption form and shall be approved by that person's supervisor, the GET Training Administrator, and the Cognizant Functional Division Manager (CFDM) or Line Designee normally the Manager, EP. Training exemption mechanics are covered in SO23-XXI-REC, Training Records.

### **p. PROGRAM CHANGES**

The EP TAC shall be responsible for establishing EP training requirements and for submitting programmatic changes for approval.

Emergency Planning will route all drill critiques, bulletins, and other documents that could impact the Training Program to the EPS Manager for review. The EPS Manager may revise the Training Program, subject to approval from Manager, EP or designee.

### **q. UNESCORTED PROTECTED AREA ACCESS AND ERP TRAINING**

All ERO personnel who are required to have unescorted access to the Protected Area or Emergency Operations Facility (EOF) must maintain their ERP Code training requirements as listed in Attachment 2. Failure to complete annual retraining requirements may result in loss of unescorted Protected Area access or EOF access. If this occurs, unescorted access privileges will be reestablished only upon completion of the required Emergency Plan training or a request for removal of their ERP Code by their Cognizant Functional Division Manager (CFDM) or 1410 Supervisor, point of contact or position owner.

### **r. NON-ATTAINMENT TRAINING**

The non-attainment code "REDBADGE" requires an active Security Photo Identification Badge to maintain ERO qualification. This code is automatically posted once the ERO member has been issued a Security Photo Identification Badge (satisfying 10 CFR Part 26 requirements). If the ERO member's Security Photo Identification Badge becomes terminated, deactivated, or expired, they will become unqualified for any position in Attachment 2 that requires an active badge.

Self Contained Breathing Apparatus (SCBAFIT) for onshift and 30 minute responders, and Scott Airpack (SCBASFIT) for firefighters are associated with other qualifications grouped under EROSCBA and SCOTAP respectively. They include a Physical Exam, Classroom Training, Fit Test, and Practical Factors.

### **s. NON-ATTAINMENT CODES**

If a non-attainment code is not maintained, or is terminated, the individual will become unqualified for any position requiring that code.

"REDBADGE" requires an active Security Photo Identification Badge for ERO qualification

"SCBAFIT" required for general ERO respirator qualification

"SCBASFIT" required for Firefighter qualification

## **Training Program Description And Administration**

### **t. LESSONS LEARNED FROM DRILLS AND EXERCISES**

Applicable lessons learned from previous drills, exercises, and industry events will be incorporated into the pre-drill brief and the "CHANGES" section of the WBT modules.



### Emergency Plan Training Program Curriculum

	FACILITY	ERP CODE	SONGS ERO POSITIONS	QWT/PQS	REDBADGE	710000	710SED	710EGL	710MSA	ENCONI	PAR101	EP4100	EPTENR	EPTDEC	EPTREAL	EPTB5B	SAMG01	SAMG02	SAMG03	SAMG04	SAMG05	EPTCDA	L001CR	HPLDAC	SCBAFIT	EROSBA	SCOTAP
1	ONSHIFT	00	General Support Group		X	X																					
2	ONSHIFT	01	General Maint Support		X	X																					
3	ONSHIFT	02	ERO Mechanical Maint.		X	X																			X	X	
4	ONSHIFT	2A	ERO Control Room Supervisor	72AQWT	X	X								X		X	X	X		ALT					X	X	
5	ONSHIFT	2B	Shift Manager	72AQWT	X	X					X			X		X	X	X		ALT					X	X	
6	ONSHIFT	2C	Control Room Supervisor	72AQWT	X	X								X		X	X	X		ALT							
7	ONSHIFT	2E	Control Operator/ACO		X	X								X		X	X	X		ALT							
8	ONSHIFT	J2	O/S Operations Leader		X	X										X	X	X		ALT		X					
9	ONSHIFT	2F	ERO CO/ACO		X	X								X		X	X	X		ALT					X	X	
10	ONSHIFT	2K	PEO/NPEO		X	X																					
11	ONSHIFT	2L	ERO NPEO		X	X																			X	X	
12	ONSHIFT	03	ERO Electrical Maint.		X	X																			X	X	
13	ONSHIFT	06	Security Officer		X	X																					
14	ONSHIFT	55	OSC Chemistry Tech		X	X		X																			
15	ONSHIFT	56	ERO Chemistry Tech		X	X		X																	X	X	
16	ONSHIFT	8J	OSC Firefighter		X	X		X																	X		
17	ONSHIFT	A1	OSC I&C Technician		X	X																					
18	ONSHIFT	A2	ERO I&C Technician		X	X																			X	X	
19	ONSHIFT	E1	Shift Communicator	7E1QWT	X	X							X		X												
20	ONSHIFT	J1	C/R Operations Leader	7J1QWT	X	X								X		X	X	X		ALT							
21	ONSHIFT	P2	OSC Emergency Group Leader	7P1QWT	X	X		X																			
22	ONSHIFT	V0	ERO RP Technicians	7V6QWT	X	X		X																	X	X	
23	ONSHIFT	V6	CR/TSC/OSC RP Technicians	7V6QWT	X	X		X																			
24	ONSHIFT	L7	RP Supervisor	7V2QWT	X	X		X				X			X												
25	ONSHIFT	Z2	Shift Technical Advisor	7Z2QWT	X	X								X		X	X	X	X	ALT	ALT				X	X	

#### Legend

#### INPO 09-006 Appendix B - Graded Approach to ERO Training and Qualification

Level A Personnel

Level B Personnel

Level C Personnel

ON-Shift Personnel

#### Cycle Multiplier

Blue - Lifetime

RED - Calendar Year

Green - Annual

- Notes:**
1. A Bold "Position/Title" indicates a minimum staffing required position EPTDEC satisfies EPTREAL
  2. All Encodes are required for initial training, a Bold "Encode, ALT or X" is not required for continuing retraining.
  3. EPTDEC satisfies EPTREAL.



### Emergency Plan Training Program Curriculum

	FACILITY	ERP CODE	SONGS ERO POSITIONS	QWT/PQS	REDBADGE	710000	710SED	710EGL	710MSA	ENCONI	PAR101	EP4100	EPTENR	EPTDEC	EPTCAL	EPTB5B	SAMG01	SAMG02	SAMG03	SAMG04	SAMG05	EPTCDA	L001CR	HPLDAC	SCBAFIT	EROSCB
26	TSC	3A	CFMS Computer Operator		X	X	X																			
27	TSC	B2	Assessor	7B2QWT	X	X	X								X	X	X	X	X	ALT	ALT					
28	TSC	C1	Mitigator	7C1QWT	X	X	X								X	X	X	X	X	ALT	ALT					
29	TSC	D1	Status Board Keeper		X	X	X																			
30	TSC	G1	Station Emergency Director	7G1QWT	X	X	X				X			X		X	X	X		ALT						
31	TSC	H1	TSC Manager	7H1QWT	X	X	X							X												
32	TSC	I1	Emergency Advisor, Operations	7I1QWT	X	X	X							X		X	X	X		ALT						
33	TSC	I2	Emergency Advisor, Notifications	7I2QWT	X	X	X						X		X											
34	TSC	J5	Red Phone Communicator (requires previous or current SRO)		X	X	X																			
35	TSC	L1	Radiation Protection Leader	7L1QWT	X	X	X					X			X											
36	TSC	L2	Radiation Protection Advisor		X	X						X														
37	TSC	L3	Radiation Protection Communicator		X	X	X																			
38	TSC	L4	HP DAC Operator		X	X						X												X		
39	TSC	M1	Technical Leader	7M1QWT	X	X	X								X	X	X	X	X	ALT	ALT					
40	TSC	N1	Security Leader	7N1QWT	X	X	X								X											
41	TSC	X1	Log Keeper/Ivory Phone		X	X	X																			
42	OSC	H2	Emergency Planning Coordinator	7H2QWT	X	X		X																		
43	OSC	J3	Operations Coordinator	7J3QWT	X	X		X																		
44	OSC	J4	Ivory Phone/Plant Status Board Keeper		X	X		X																		
45	OSC	L6	Radiation Protection Planner	7V2QWT	X	X		X				X														
46	OSC	N7	Security Coordinator	7N7QWT	X	X		X																		
47	OSC	P1	Emergency Group Leader	7P1QWT	X	X		X																		
48	OSC	Q1	Assistant Maintenance Coordinator		X	X		X																		
49	OSC	Q2	Maintenance Coordinator		X	X		X																		
50	OSC	Q3	Team Status Board Keeper		X	X		X																		

#### Legend

#### INPO 09-006 Appendix B - Graded Approach to ERO Training and Qualification

Level A Personnel

Level B Personnel

Level C Personnel

ON-Shift Personnel

Cycle Multiplier

Blue - Lifetime

RED - Calendar Year

Green - Annual

- Notes:**
1. A Bold "Position/Title" indicates a minimum staffing required position.
  2. All Encodes are required for initial training, a Bold "Encode, ALT or X" is not required for continuing retraining.
  3. EPTDEC satisfies EPTCAL.



### Emergency Plan Training Program Curriculum

	FACILITY	ERP CODE	SONGS ERO POSITIONS	QWT/PQS	RED BADGE	710000	710SED	710EGL	710MSA	ENC0NI	PAR101	EP4100	EPTENR	EPTDEC	EPTAL	EPTB5B	SAMG01	SAMG02	SAMG03	SAMG04	SAMG05	EPTCDA	L001CR	HPLDAC	ENCSP
51	OSC	S1	Chemistry Coordinator	7S1QWT	X	X		X																	
52	OSC	T1	Emergency Services Coordinator		X	X		X																	
53	OSC	T2	HAZMAT Technician		X	X		X																	
54	OSC	V1	Assistant Radiation Protection Coordinator	7V2QWT	X	X		X				X													
55	OSC	V2	Radiation Protection Coordinator	7V2QWT	X	X		X				X			X										
56	OSC	V3	Radiation Protection Communicator	7Y2QWT	X	X		X																	
57	OSC	Z8	CDM Support		X	X																			
58	EOF	5A	MCA Computer Operator		X	X			X																
59	EOF	60	Security Liaison		X	X			X																
60	EOF	9A	Effluent Engineer	79AQWT PQS259045	X	X			X																
61	EOF	8A	Warehouse Support		X	X																			
62	EOF	CC	INPO Communicator		X	X																			
63	EOF	D5	OffSite Briefer		X	X			X																
64	EOF	D7	Brown Phone Talker		X	X			X																
65	EOF	F2	Telephone Operator		X	X			X																
66	EOF	G4	Corporate Emergency Director	7G4QWT	X	X			X		X			X		X	X	X		ALT					
67	EOF	H3	Emergency Planning Coordinator	7H3QWT	X	X			X																
68	EOF	H5	Emergency Advisor,Notifications	7H5QWT	X	X			X				X												
69	EOF	91	Off-Site Liaison/Status Board Keeper		X	X			X																
70	EOF	I7	EOF Manager	7I7QWT	X	X			X							X									
71	EOF	L5	Radiation Protection Leader	7L5QWT	X	X			X			X			X										
72	EOF	M6	Technical Leader	7M6QWT	X	X			X							X									
73	EOF	N0	EOF Security Director	7N0QWT	X	X			X							X									
74	EOF	R1	Administrative Leader	7R1QWT	X	X			X																
75	EOF	R5	Administrative Coordinator	7R5QWT	X	X			X																
76	EOF	R6	ODAC Fax Operator	7R8QWT	X	X			X																

#### Legend

#### INPO 09-006 Appendix B - Graded Approach to ERO Training and Qualification

Level A Personnel

Level B Personnel

Level C Personnel

ON-Shift Personnel

#### Cycle Multiplier

Blue - Lifetime

RED - Calendar Year

Green - Annual

- Notes:**
1. A **Position/Title** indicates a minimum staffing required position.
  2. All Encodes are required for initial training, a **Encode, ALT or X** is not required for continuing retraining.
  3. EPTDEC satisfies EPTAL.



### Emergency Plan Training Program Curriculum

	FACILITY	ERP CODE	SONGS ERO POSITIONS	QWT/PQS	REDBADGE	710000	710SED	710EGL	710MSA	ENC0NI	PAR101	EP4100	EPTENR	EPTDEC	EPTAL	EPTB5B	SAMG01	SAMG02	SAMG03	SAMG04	SAMG05	EPTCDA	L001CR	HPLDAC	ENCSP
77	EOF	V4	Radiation Protection Engineer		X	X						X												X	
78	EOF	V5	Radiation Protection Technician		X	X			X																
79	EOF	V7	Environmental Support	7V7QWT	X	X			X																
80	EOF	V9	Meteorologist		X	X			X																
81	EOF	Y1	Yellow Phone Communicator	7E1QWT	X	X			X				X		X										
82	EOF	Y2	Radiation Protection Communicator	7Y2QWT	X	X			X																
83	EOF	Y4	SRO Briefer/Ivory Phone Communicator	7Y4QWT	X	X			X					X											
84	EOF	Y5	Radiation Protection Offsite Field Monitoring Team	7V6QWT 7Y5QWT	X	X			X																
85	EOF	Z7	Telecommunication		X	X																			
86	EOF	8C	JIC Communications / Technical Liaison		X	X																			
87	JIC	C2	Technical Team			X				X															
88	JIC	C3	Assistant Spokesperson			X				X														X	
89	JIC	C4	Corporate Communications Director			X				X															
90	JIC	C5	NIS Technical Support			X				X															
91	JIC	CX	Director / Spokesperson	SPTQWT	X	X				X														X	
92	JIC	E2	Media Liaison Team			X				X															
93	JIC	E3	Logistics Team			X				X															
94	JIC	E4	Audio Visual Team			X				X															
95	JIC	E5	Telephone Responder & Media Monitoring Team			X				X															
96	JIC	E6	Media Writer Team			X				X															
97	JIC	E7	Security Team			X				X															
98	JIC	E8	PIO Facilitator Team			X				X															
99	JIC	E9	Administrative Support Pool			X				X															
100	Back-Up Support	V8	BU HP Support		X	X		X																	

#### Legend

#### INPO 09-006 Appendix B - Graded Approach to ERO Training and Qualification

Level A Personnel

Level B Personnel

Level C Personnel

Cycle Multiplier

Blue - Lifetime

RED - Calendar Year

Green - Annual

- Notes:**
1. A **Bold "Position/Title"** indicates a minimum staffing required position
  2. All Encodes are required for initial training, a **Bold "Encode, ALT or X"** is not required for continuing retraining.
  3. EPTDEC satisfies EPTAL

### Ownership of ERO Training Elements

#### NOTE

Program Owner responsibilities are found in Section 3.0 of this procedure.

Encode	Unit of Instruction Description	Program Owner	Cycle Multiplier	HRS
HPLDAC	Dose Assessment Computer Software (ERP273)	NTD-RP	L1	2
RQ0832	B5b Mitigation Strategies (EPTB5B)	NTD-OPS	L1	1
2EP101	NLO Emergency Response Training	NTD-OPS	L1	3
L001CR	Operations E-Plan Training (ORP194)	NTD-OPS	L1	3
EPTDEC	EP Emergency Classification (2RP542)	NTD-OPS	C1	4
SAMG01	SAMG Implementor Training (SAMG00)	NTD-ENG	L1	4
SAMG02	SAMG Decision Maker Training (SAMG00)	NTD-ENG	C2	4
SAMG03	SAMG Evaluator Training (SAMG00)	NTD-ENG	C2	8
SAMG04	SAMG Continuing Training (SAMG00)	NTD-ENG	C2	4
SAMG05	SAMG Evaluator Continuing Training (SAMG00)	NTD-ENG	C2	4
EPTENR	Emergency Notification Retraining	EPT	C1	2
EPTREAL	Emergency Action Level Overview	EPT	C1	4
EPTCDA	Core Damage Assessment	NTD-ENG	C2	TBD
ENCSP	ENC Spokespersons Training	EPT	TBD	4
<b>Web Base Training</b>				
PAR101	Protective Action Recommendation Training	EPT	A1	1
EPTB5B	B5b Mitigation Strategies Overview (RQ0832)	NTD-OPS	A1	1
710000	General EP Overview	EPT	A1	1
710MSA	EOF Overview	EPT	A1	1
710SED	TSC Overview	EPT	A1	1
710EGL	OSC Overview	EPT	A1	1
ENC0NI	JIC Overview	EPT	A1	1
EP4100	Dose Assessment	NTD-RP	A1	1

L = Lifetime  
C = Calendar Year  
A = Annual



### Summary of Changes

Author: George Medina Jr. PAX: 86642 Location: D1N

NN, Order, or Other Action	Description of Change	50.59	Step(s), Section(s) or page number
Betterment	Emergency Plant Training Program Description (EPTPD) was put into current site format.	DNA	All
NN 202269657	Changed throughout EPTPD EP Responsibility Titles. Added EP OPS Manager, Changed Training Supervisor to EPS Manager. Added additional Manager and group responsibilities. Organizational changes were made to reflect the new end-state organization resulting from Business Transformation (NN 202269657).		Throughout
Business Transformation	As a result of Business Transformation, removed references to Offsite Emergency Planning (OEP), merged OEP requirements into EP-OPS Removed SO123-NP-1, Offsite EP Responsibilities and Offsite Interfaces references and replaced with SO123-EP-1. Removed OEP 50.54(q) qualified requirements throughout EPTPD.		Throughout
NN 202124668	Added new Step 8.2, to Record retention for 50.54(q) Evaluator qualification RPA# 04-033 (NN 202124668).		Section 8.0
NN 202124668	Removed CRC references in Attachment 1 as functions were merged into TAC, leaving TAC meeting requirements only. Added ERO TAC Quorum Membership table Removed and removed form EP(123) 18, ERO Curriculum Review Committee (CRC) Agenda.		Att. 1
Betterment	Section 6.1 was changed Lead Trainer duties section (Shall to Will) and added SO123-XXI-12.2 ISS2 to EPTPDs section.		Section 6.1
Per reviewer D. Lindbeck	Step 6.4.3.2.3 minimum requirement of Operations SRO was changed from two to one. This change does not change the intent of the requirements stated in NN 201135750. The requirement is to identify the frequency and the method of instruction for those that will perform 50.54(q) screening and evaluation and to add it to an administrative EPTPD for sustainability. That was done and continues to be valid. Changing the number of personnel required to perform the training in each organization is not mandated or required.		Step 6.4.3.2.3

### Summary of Changes

NN, Order, or Other Action	Description of Change	50.59	Step(s), Section(s) or page number
Betterment	Attachment 1.m, section on JIC was removed as training requirements were captured in the reformatted Attachment 2 matrix.	DNA	Att. 1, m
Betterment	Attachment 1.l, ODAC Liaison was changed to the correct term ODAC.		Att. 1, l
Betterment	Attachment 1.n, EPPG-SO23-G-2 removed as a reference to the remediation process, and SO123-XV-ERO-1 was added as the new reference for remediation process.		Att. 1, n
NN 202326939	Reformatted Attachment 2 with a new matrix and added PQS 259045 to Attachment 2 qualifications for the Effluent Engineer position 9A. Also removed Note 4 on Attachment 2 (NN 202326939).		Att. 2
Per reviewer D. Lindbeck	In Attachment 3, three hours were added for Encodes 2EP101 and L001CR to clearly identify the hours of instruction for each encode.		Att. 3
Betterment	Spelled out Acronyms not already spelled out in the EPTPD and added to Definitions in Section 9.0.		Throughout and Section 9.0
Business Transformation	Changed Health Physics to Radiation Protection throughout EPTPD to reflect the new end-state organization resulting from Business Transformation.		Throughout

Reviewers	Organization
Mayra Alvarado	EP - Cog Sup
Debbie Lindbeck	EP
Rick Garcia	EP - 50.54(q)
Dave Burda	NOD
Richard Davis	Training CFDM

## **Attachment 2**

### **SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX**

## SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-0.100	17		MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS
SO123-VIII-0.101	0		EMERGENCY RESPONSE EQUIPMENT MANAGEMENT
SO123-VIII-0.200	16		EMERGENCY PLAN DRILLS AND EXERCISES
SO123-VIII-0.201	25		EMERGENCY PLAN EQUIPMENT SURVEILLANCE PROGRAM (EPESP)
SO123-VIII-0.202	11	1	ASSIGNMENT OF EMERGENCY RESPONSE PERSONNEL
SO123-VIII-0.301	16		EMERGENCY TELECOMMUNICATIONS TESTING
SO123-VIII-0.302	7		ONSITE EMERGENCY SIREN SYSTEM TEST
SO123-VIII-0.303	5		PERIMETER PUBLIC ADDRESS SYSTEM (PPAS) ROUTINE TEST
SO123-VIII-1	37		RECOGNITION AND CLASSIFICATION OF EMERGENCIES
SO123-VIII-10	32	1	EMERGENCY COORDINATOR DUTIES
SO123-VIII-10.1	23		STATION EMERGENCY DIRECTOR DUTIES
SO123-VIII-10.2	21		CORPORATE EMERGENCY DIRECTOR DUTIES
SO123-VIII-10.3	15		PROTECTIVE ACTION RECOMMENDATIONS
SO123-VIII-10.4	4		TECHNICAL SUPPORT CENTER (TSC) MANAGER DUTIES
SO123-VIII-10.5	5		EVENT CLOSE OUT AND RECOVERY
SO123-VIII-10.6	6		EMERGENCY RESPONSE ACTIONS FOR A DECLARED SECURITY EVENT
SO23-VIII-30	21		UNITS 2/3 OPERATIONS LEADER DUTIES
SO123-VIII-30.1	27		EMERGENCY PLANNING COORDINATOR DUTIES
SO123-VIII-30.3	7		OSC OPERATIONS COORDINATOR DUTIES



## SONGS EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs) INDEX

<u>DOCUMENT</u>	<u>REV. #</u>	<u>EC</u>	<u>TITLE</u>
SO123-VIII-30.4	11		EMERGENCY SERVICES COORDINATOR DUTIES
SO123-VIII-30.7	16		EMERGENCY NOTIFICATIONS
SO123-VIII-40	27		TSC RADIATION PROTECTION LEADER DUTIES
SO123-VIII-40.1	30		OSC RADIATION PROTECTION COORDINATOR DUTIES
SO123-VIII-40.3	19		EOF RADIATION PROTECTION LEADER DUTIES
SO123-VIII-40.100	17		DOSE ASSESSMENT
SO123-VIII-40.200	5		RADDOSE-V DOSE ASSESSMENT
SO123-VIII-40.300	2		OFFSITE FIELD MONITORING TEAM DUTIES
SO123-VIII-50	19		TSC TECHNICAL LEADER DUTIES
SO123-VIII-50.1	8		CHEMISTRY COORDINATOR DUTIES
SO123-VIII-50.2	8		EOF TECHNICAL LEADER DUTIES
SO23-VIII-50.3	11		CORE DAMAGE ASSESSMENT
SO123-VIII-60	25		SECURITY LEADER DUTIES
SO123-VIII-60.1	22		OSC SECURITY COORDINATOR DUTIES
SO123-VIII-60.2	12		EOF SECURITY LIAISON DUTIES
SO123-VIII-60.4	3		SECURITY DIRECTOR DUTIES
SO123-VIII-70	21		ADMINISTRATIVE LEADER DUTIES
SO123-VIII-70.2	7		EOF ADMINISTRATIVE COORDINATOR DUTIES
SO123-VIII-80	17		EMERGENCY GROUP LEADER DUTIES

**Attachment 3**

**SONGS EMERGENCY PLAN REFERENCED MANUALS,  
ORDERS AND TRAINING PROCEDURES INDEX**

**SONGS EMERGENCY PLAN REFERENCED MANUALS,  
ORDERS AND TRAINING PROCEDURES INDEX**

<b><u>DOCUMENT</u></b>	<b><u>REV. #</u></b>	<b><u>TITLE</u></b>
SO123-EP-1	9	SONGS EMERGENCY PLAN IMPLEMENTATION
SO123-XXI-1.11.3	28	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**

### **Report and Analysis Summary**

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

<b>Document Number:</b> SO123-VIII-0.100 Rev. 17 <b>Title:</b> MAINTENANCE AND CONTROL OF EMERGENCY PLANNING DOCUMENTS <b>SONGS Nuclear Notification (NN) 202342331 task #20</b>	
Section and Change Description	Analysis Summary
<p>Change #1 - Added a new step 1.2 which states the following: Provide a means of evaluating compensatory measures for emergency response equipment and facilities as required by SO123-VIII-0.101.</p> <p>Change #2 -Moved the old Section 1.2 and made it 1.3. The wording remains the same.</p> <p>Change #3 -Clarified step 2.1 by adding the following: and the equipment and facilities described in those documents. Before: 2.1 To ensure that changes to Emergency Plan related regulatory documents required by the sixteen Planning Standards in 10CFR50.47(b) and 10CFR50 Appendix E are maintained in accordance with 10CFR and 50.54(q) to prevent a reduction in the effectiveness of the Emergency Plan. After: 2.1 To ensure that changes to Emergency Plan related regulatory documents required by the sixteen Planning Standards in 10CFR50.47(b) and 10CFR50 Appendix E, and the equipment and facilities described in those documents, are maintained in accordance with 10CFR and 50.54(q) to prevent a reduction in the effectiveness of the Emergency Plan.</p> <p>Change #4 Deleted 6.8 step 2 of the Note statement. Step 2 was deleted in its entirety. The deletion was based on OEP combining with EP. The previous OEP procedure, SO123-NP-1 no longer exists based on the actions within the procedure being combined with SO123-EP-1. Before: 6.8 Step 2 of the Note statement Offsite Emergency Planning (OEP) implements elements of SONGS E-Plan that are the responsibility of OEP per SO123-NP-1, Offsite Emergency Planning (OEP) Responsibilities and</p>	<p>The changes to this procedure do not reduce the effectiveness of the emergency plan. The changes were completed by adding information to strengthen the purpose statement in the procedure by referencing a new emergency procedure, i.e. SO123-VIII-0.101, Emergency Response Equipment Management. Similar wording was also added to the scope to ensure the user of the procedure is aware of the importance of emergency response equipment, and facilities.</p> <p>The intent of this procedure is to not only bolster the users focus on the importance of the Maintenance and Control of Emergency Documents, but to also highlight the importance of Emergency response equipment and facilities.</p>

## Offsite Interfaces.

After: 6.8 Step 2 of the Note statement - Deleted

Change #5 - Step 6.9.3.2 bullet number 1 was revised to say Radiation Protection (RP) data rather than Health Physics data based on the site adopting the Term Radiation Protection vice Health Physics.

6.9.3.2 bullet #1 before: Health Physics data

6.9.3.2 bullet #1 After: Radiation Protection (RP) data

Change #6 - Step 6.11.3 was revised based on eliminating the position of OEP Manager and combining the functions of the job in with the responsibilities of the EP Manager. Also the wording was changed to capture the elimination of SO123-NP-1 the actions are now in SO123-EP-1.

Before:

6.11.3 Manager, OEP shall be responsible for Evacuation Time Study and all letters of agreement involving local jurisdictions, including arrangements for medical services, in accordance with SO123-NP1, Offsite Emergency Planning (OEP) Responsibilities and Offsite Interfaces.

After: 6.11.3 Manager, EP shall be responsible for Evacuation Time Study and all letters of agreement involving local jurisdictions, including arrangements for medical services, in accordance with SO123-EP-1 SONGS Emergency Plan Implementation

Change #7 - 6.11.3.1 Removed OEP

Before: 6.11.3.1 Review OEP documentation annually and document review on Attachment 13.

After: 6.11.3.1 Review documentation annually and document review on Attachment 13.

Change # 8 - Removed the request OEP reference and changed it to an EP action.

Before: 6.11.9.1 Request OEP to review CDM EP distribution matrix annually to verify Offsite information; EP to verify Onsite information.

After: 6.11.9.1 EP to review CDM EP distribution

matrix annually to verify Offsite information; EP to verify Onsite information.

Change #9 - Deleted the following reference based on SO123-NP-1 being eliminated

Change #10 - Deleted Step 10.1.1.1 SO123-NP-1, Offsite Emergency Planning (OEP) Responsibilities and Offsite Interface as the procedure no longer exists.

Change #11 - Moved the following step from the procedure section to the Other Section  
10.1.1.2 SO123-EP-1, SONGS Emergency Plan Implementation to step 10.1.3.2 SO123-EP-1, SONGS Emergency Plan Implementation

Change #12 - New procedure was added to step 10.1.1.12 - Procedure SO123-VIII-0.101, Emergency Response Equipment Management to the implementing reference section.

Change #13 - 10.2.4.4 SO123-XV-HU-3, Written Instruction Use and Adherence- Removed SO123-XV-HU-3 from Developmental References as it is an Implementing Reference and is already referenced in Section 10.1.1.9

Change #14  
OEP changed to EP throughout the procedure to reflect the new organization.

PREPARED BY: Dan Cleavenger

REVIEWED BY: Rick Garcia

DATE: 4/10/13

DATE: 4-11-13

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

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

<b>Document Number:</b> SO123-VIII-0.101 <b>Title:</b> EMERGENCY RESPONSE EQUIPMENT MANAGEMENT <b>SONGS Nuclear Notification (NN) 202342331 Task #17</b>	
Section and Change Description	Analysis Summary
<p>Change:</p> <p>This is new procedure; therefore, the summary of change is the entire document.</p> <p>The purpose for this new procedure is to implement INPO 10-007 to ensure SONGS meets industry excellence standards in how it maintains its equipment and facilities used in meeting the requirements of SONGS Emergency Plan.</p>	<p>Summary:</p> <p>The implementation of this procedure does not adversely impact Emergency Plan Equipment. The intent of this new procedure is to provide the necessary guidance for maintaining equipment and facilities used for emergency classification and response, both on site and off site, in a state of readiness. Additionally this new procedure is to implement INPO 10-007 to ensure SONGS meets industry excellence standards in how it maintains its equipment and facilities used in meeting the requirements of SONGS Emergency Plan. The new Procedure does not Reduce the Effectiveness of the Emergency Plan or reduce any commitments.</p>
<b>PREPARED BY:</b> Dan Cleavenger	<b>REVIEWED BY:</b> Rick Garcia
<b>DATE:</b> 4/5/13	<b>DATE:</b> 4/5/13

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



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

<b>Document Number: SO123-VIII-60 Rev 25</b> <b>Title: SECURITY LEADER DUTIES</b> <b>SONGS Nuclear Notification (NN) 202118048, 202096672</b>	
Section and Change Description	Analysis Summary
<p>Change 1 - Step 6.1.1 title changed from "Administrative Supervisor (Post 1A)" to "Central Alarm Station Supervisor"</p> <p>Change 2 Added Step 6.2.1 The SL may activate the Protected Area Personnel Accountability (PAPA) System prior to facility activation for the TSC, OSC and EOF when the potential activation of the TSC, OSC, and EOF exist.</p>	<p>For change 1, SO123-XV-109.1, Attachment 5, Section 1.0, Bullet number 6, considers "updating names" an editorial change.</p> <p>For change 2, wording was added to allow activation of the PAPA card readers prior to activation of the TSC, OSC and EOF. This change does not affect the ability to staff and augment the initial response activities on a continuous basis. In addition, timely implementation of accountability is improved as a result of this change.</p> <p>There is no Reduction in Effectiveness as a result of these changes to SO123-VIII-60, Revision 25, SECURITY LEADER DUTIES.</p>

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

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

<b>Document Number: SO123-VIII-60.1 Rev 22</b> <b>Title: OSC SECURITY COORDINATOR DUTIES</b> <b>SONGS Nuclear Notification (NN) 202006555</b>	
<b>Section and Change Description</b>	<b>Analysis Summary</b>
<p><b>Change 1</b> Updated Prerequisite statement in Section 3.2 by maintaining current reference and removing outdated references.</p> <p><b>Change 2</b> Added note in Section 6.1 to state "The work group title Radiation Protection (RP) and Health Physics (HP) are considered the same"</p> <p><b>Change 3</b> Replaced Health Physics with Radiation Protection and HP with RP throughout procedure.</p> <p><b>Change 4</b> Added the following note to Section 6.2; 2. When the potential activation of the TSC, OSC, and EOF exist then the SL has the discretion to activate the PAPA card readers for these facilities.</p> <p><b>Change 5</b> Added the following note to Section 6.2.1; 6.2.1 If the Protected Area Personnel Accountability (PAPA) card reader has not been activated for Alert or higher emergency classes, then the SL shall call CAS at PAX 89123 and have CAS initiate the Emergency Accountability system.</p>	<p>For change 1, SO123-XV-109.1, Attachment 5, Section 1.0, Bullet number 6, considers "updating references" an editorial change.</p> <p>For changes 2 and 3, SO123-XV-109.1, Attachment 5, Section 1.0, Bullet number 6, considers "updating names" an editorial change.</p> <p>For changes 4 and 5 wording was added to allow activation of the PAPA card readers prior to arrival of the OSC Security Coordinator. This change does not affect the ability to staff and augment the initial response activities on a continuous basis. In addition, timely implementation of accountability is improved as a result of this change.</p> <p>There is no Reduction in Effectiveness as a result of these changes to SO123-VIII-60.1 Revision 22, OSC SECURITY COORDINATOR DUTIES.</p>

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

**Document Number:** SO123-XXI-1.11.3**Title:** Emergency Plan Training Program Description, Revision 28**SONGS Nuclear Notification (NN):** 202124668, 202269657, 202326939, 201135750

Section and Change Description	Analysis Summary
<p><b>Change 1</b> Emergency Plant Training Program Description (EPTPD) was put into current site format.</p> <p><b>Change 2</b> Changed throughout EPTPD EP Responsibility Titles. Added EP OPS Manager. Changed Training Supervisor to EPS Manager. Added additional Manager and group responsibilities. Organizational changes were made to reflect the new end-state organization resulting from Business Transformation (NN 202269657).</p> <p><b>Change 3</b> As a result of Business Transformation, removed references to Offsite Emergency Planning (OEP), Merged OEP requirements into EP-OPS. Removed SO123-NP-1, Offsite EP Responsibilities and Offsite Interfaces references and replaced with SO123-EP-1. Removed OEP 50.54(q) qualified requirements throughout EPTPD.</p> <p><b>Change 4</b> Added new Step 8.2, to Record retention for 50.54(q) Evaluator qualification RPA# 04-033 (NN 202124668).</p> <p><b>Change 5</b> Removed CRC references in Attachment 1 as functions were merged into TAC, leaving TAC meeting requirements only. Added ERO TAC Quorum Membership table Removed and removed form EP(123) 18, ERO Curriculum Review Committee (CRC) Agenda.</p> <p><b>Change 6</b> Section 6.1 was changed Lead Trainer duties section (Shall to Will) and added SO123-XXI-12.2 ISS2 to EPTPDs section.</p> <p><b>Change 7</b> Step 6.4.3.2.3 minimum requirement of qualified Operations SRO 50.54Q evaluators was changed from two to one.</p> <p><b>Change 8</b> Attachment 1.m section on JIC was removed as training requirements were captured in the reformatted Attachment 2 matrix.</p> <p><b>Change 9</b> In Attachment 1.I, ODAC Liaison was changed to the correct term ODAC.</p>	<p>In accordance with SO123-XV-109.1 all changes noted in the section and change description with the exception of Change 7 are editorial in nature and do not reduce the effectiveness of the Emergency Plan.</p> <p>Change 7 revises step 6.4.3.2.3 and changes the minimum requirement of qualified Operations SRO 50.54Q evaluators from two to one.</p> <p>The requirement is to identify the frequency and the method of instruction for those that will perform 50.54(q) screening and evaluation and to add it to an administrative EPTPD for sustainability. That was done and continues to be valid. Changing the number of personnel required to perform the training in each organization is not mandated or required.</p> <p>Change 7 does not alter the intent of the commitment and does not reduce the effectiveness of the Emergency Plan.</p>

**Change 10**

In Attachment 1.n, EPPG-SO23-G-2 removed as a reference to the remediation process, and SO123-XV-ERO-1 was added as the new reference for remediation process.

**Change 11**

Reformatted Attachment 2 with a new matrix and added PQS 259045 to Attachment 2 qualifications for the Effluent Engineer position 9A. Also removed Note 4 on Attachment 2 (NN 202326939).

**Change 12**

In Attachment 3, three hours were added for Encodes 2EP101 and L001CR to clearly identify the hours of instruction for each encode.

**Change 13**

Spelled out Acronyms not already spelled out in the EPTPD and added to Definitions in Section 9

**Change 14**

Changed Health Physics to Radiation Protection throughout EPTPD to reflect the new end-state organization resulting from Business Transformation.

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DATE: 4/12/13

REFERENCE: NN 202124668-8

**REVIEWED BY:**

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DATE: 4/15/12

REFERENCE: NN 202124668-8

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