



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483


January 13, 2004  
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10CFR50 App E

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

STP NUCLEAR OPERATING COMPANY  
Units 1 and 2  
Docket Nos. STN 50-498; STN 50-499  
Changes to Emergency Plan Procedures

In accordance with 10CFR50.4(b)(5) and 10CFR50, Appendix E, Section V, the STP Nuclear Operating Company hereby submits the attached Emergency Plan Implementing Procedure revision.

If there are any questions regarding this matter, please contact Aubrey Morgan at (361) 972-7004.

  
P. L. Serra  
Manager, Plant Protection

PLS/mk

Enclosure: Letter of Receipt  
Description of Changes  
OPGP05-ZV-0007, Prompt Notification System / Rev. 6

A045

cc:

(paper copy)

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**To:** P. L. Serra  
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Wadsworth, TX 77483

**From:** Emergency Planning Coordinator  
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U. S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
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**Subject:** Receipt Acknowledgment for Changes to STP  
Emergency Plan Implementing Procedure

I hereby acknowledge having received changes to the STP Nuclear Operating Company's  
Emergency Plan Implementing Procedures.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

### **Description of Changes**

These revisions do not reduce the effectiveness or change the intent of the Emergency Response Program.

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<b>NO</b>	<b>CHANGE</b>	<b>REASON</b>
1	Changed from OPGP05-ZV-0002 to OPGP05-ZV-0016.	Editorial.
2	Page 6, new step 4.5.1.2, requires Emergency Response Supervisor approval to deviate maintenance schedule.	Allows schedule change with Emergency Response Supervisor approval.
3	Page 7, Added step 6.15, reference to CR 03-1951	To link CR action to procedure.

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Quality	Non-Safety-Related	Usage: AVAILABLE	Effective Date: 01/13/04
Max Keys	N/A	N/A	Emergency Response Division
PREPARER	TECHNICAL	USER	COGNIZANT ORGANIZATION

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## **1.0 Purpose and Scope**

- 1.1 This procedure provides overall guidance for the administration, maintenance, testing and distribution of the Prompt Notification System.**
- 1.2 This procedure assigns responsibility for the administration, maintenance, testing and distribution of the alert radio subsystem of the Prompt Notification System.**
- 1.3 This procedure assigns responsibility for the administration, maintenance and testing of the siren subsystem of the Prompt Notification System.**
- 1.4 This procedure implements portions of the South Texas Project Electric Generating Station (STPEGS) Emergency Plan specific to general public notification of emergencies at the STPEGS.**

## **2.0 Limitations**

- 2.1 The following Federal Guidance and plant commitments shall be part of the Prompt Notification Implementing Procedures:**
  - 2.1.1 Biweekly Poll Test shall be conducted from either the Emergency operations Facility or the Sheriff's Department on Wednesday.**
  - 2.1.2 Quarterly Growl Test shall be conducted from the Sheriff's Department on Wednesday at approximately 12 noon.**
  - 2.1.3 Annual Complete Cycle Tests shall be conducted from the Sheriff's Department on Wednesday at approximately 12 noon.**
  - 2.1.4 The acceptance criteria for the complete cycle test shall include: siren sounds, siren rotates, and siren operates for approximately 3 minutes (CR 01-2004).**
  - 2.1.5 Test back-up Emergency Alert system once a year during the annual complete cycle test from the Sheriff's Department at approximately 12 noon.**
  - 2.1.6 Maintenance testing shall be conducted after corrective and/or preventative maintenance.**
  - 2.1.7 Perform Poll Test after a severe weather condition is identified; additional maintenance and testing may be required if unsat test results are determined.**
  - 2.1.8 Siren test shall not be performed outside the scheduled hours without the permission of the Supervisor, Emergency Response. The only exception is visual tests may be postponed one working day or until the severe weather subsides, if recommended by the Supervisor, Communications.**

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- 2.1.9 If greater than 50 percent of the sirens fail the poll test, the Technician shall notify the Control Room, and the Emergency Response Division Duty Manager. (This is a one-hour NRC reportable event).
- 2.1.10 The siren technician is permitted test/retest poll the sirens for 15 minutes. (The timeframe criteria is based on the Federal Emergency Management Agency guidance of notifying the public in approximately 15 minutes).

### 3.0 Definitions

- 3.1 **SUBSYSTEM ADMINISTRATION:** Alert Radios - Updating, on a quarterly basis, the Emergency Planning Zone database in accordance with OPGP05-ZV-0014, Emergency Response Activities, followed by verifying the data with the use of an information card. Sirens - Defining the hardware requirements and testing frequency of the siren subsystem, as well as reviewing test results and submitting documentation to the State of Texas Division of Emergency Management and the Federal Emergency Management Agency (FEMA).
- 3.2 **SUBSYSTEM TESTING:** Alert Radios – Performing back-up Emergency Alert System testing from the Matagorda County Sheriff's Department on an annual basis.
- 3.3 **SUBSYSTEM MAINTENANCE:** Maintaining the hardware of the alert radio and siren subsystems in a state of readiness to support emergency response requirements.
- 3.4 **SUBSYSTEM DISTRIBUTION:** Providing alert radios to designated locations based on the Emergency Planning Zone database in accordance with OPGP05-ZV-0014, Emergency Response Activities. For residents only, verifying the data with the use of an information card.

### 4.0 Responsibilities

- 4.1 The Supervisor, Emergency Response, or designee, is responsible for:
  - 4.1.1 Administration of the alert radio subsystem.
    - 4.1.1.1 Overseeing the administration of the alert radios through quarterly database reviews in accordance with OPGP05-ZV-0014, Emergency Response Activities, and verifying the data through the use of information cards.
    - 4.1.1.2 Purchasing alert radios in accordance with the established technical specifications.

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- 4.1.1.3 Coordinating annual activation of the alert radios with Matagorda County officials and the lead Emergency Alert System radio station.
- 4.1.1.4 Establishing maintenance and operational testing of the alert radios in accordance with the manufacture's specifications and providing them to the Manager of the Metrology and Radiological Laboratory or designee.
- 4.1.2 Distribution of the Alert Radio
  - 4.1.2.1 Distributing alert radios in accordance with the FEMA approved REP-10 Addendum, Prompt Notification System For The South Texas Project Electric Generating Station.
  - 4.1.2.2 Distributing alert radio to industrial locations, special facilities, and recreational areas within the 10-mile Emergency Planning Zone and residents located outside effective siren range, but within the 10-mile Emergency Planning Zone via mail-outs or individual delivery.
  - 4.1.2.3 Tracking alert radio distribution.
- 4.1.3 Administration of the Siren Subsystem.
  - 4.1.3.1 Establishing the hardware requirements for the siren subsystem and providing them to the Manager, Information Systems, or designee.
  - 4.1.3.2 Establishing the testing schedule of the siren subsystem, and providing it to the Manager, Information Systems, or designee in accordance with procedure OPGP05-ZV-0016, Prompt Notification System Implementing Procedure, Section 4.2.
  - 4.1.3.3 Reviewing the test results and submitting completed documentation to the Records Management System.
  - 4.1.3.4 Submitting Form 5, Siren Maintenance and Operability Report as required per OPGP05-ZV-0016 to Records Management System.
  - 4.1.3.5 Coordinating activation of the siren system with Matagorda County officials, businesses and residents located within the 10 mile Emergency Planning Zone.
- 4.1.4 Developing and maintaining current alert radio and siren subsystem test procedures.



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4.2 The Manager, Information Systems, or designee, is responsible for:

4.2.1 Maintenance and testing of the back-up Emergency Alert System and siren subsystem.

4.2.1.1 Performing an annual test of the back-up Emergency Alert System, located in the Matagorda County Sheriff's Department dispatch office in accordance with an approved schedule between STP Emergency Response Division, Matagorda County Sheriff's Department and the lead Emergency Alert System radio station.

**NOTE**

The lead radio station tests the primary Emergency Alert System, located at the radio station, in conjunction with the Federal Communication Commission's requirements.

4.2.1.2 Performing tests of the siren subsystem hardware as required in accordance with approved vendor specifications, and the test schedule in accordance with procedure OPGP05-ZV-0016, Section 4.2.

4.2.1.3 Performing Poll (Silent) Tests, Growl Tests and visuals, as needed after a severe weather (e.g. thunderstorm, high wind, hurricane, etc.) incident (CR 99-2717).

4.2.1.4 Contacting the Supervisor, Emergency Response, or designee when the back-up Emergency Alert System or a siren(s) is or will be out of service.

4.2.1.5 Coordinating repair of the siren subsystem with Facilities Management or outside contractor as appropriate.

4.2.1.6 Contacting Matagorda County Sheriff Dispatcher when a siren(s) is or will be out of service.

4.2.1.7 Forwarding test results to the Supervisor, Emergency Response, or designee, for review and approval.

4.3 Supervisor, Metrology and Radiological Laboratories or designee, is responsible for:

4.3.1 Performing operational tests on the alert radios as required in accordance with approved vendor specifications.

4.3.2 Affixing a STPEGS identification tag on the alert radio for tracking purposes.

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4.3.3 Disposition of damaged or returned radios.

4.4 Supervisor, Communications and Public Affairs is responsible for:

4.4.1 Notifying residents, special facilities, industrial locations and recreational areas within the 10-mile Emergency Planning Zone (EPZ) prior to any Complete Cycle Test via letter, newsletter or local news media.

4.5 Manager, Facilities Management Department is responsible for:

4.5.1 Performing 26 week maintenance on the siren subsystem (32 sirens).

**NOTE**

016 is the only DC siren in the system.

4.5.1.1 Testing the battery on direct current (DC) Siren 016, FM 1468, 1.6 miles from SH 35. (CR 01-2821)

4.5.1.2 A deviation from the 26-week maintenance schedule requires approval from the Supervisor, Emergency Response.

**5.0 Procedure**

5.1 Implement appropriate responsibilities using procedure OPGP05-ZV-0016, Prompt Notification System Implementing Procedures.

5.2 The Supervisors or designees having responsibility to ensure completion of procedures and forms located OPGP05-ZV-0016, Prompt Notification System Implementing Procedures, are required to forward the completed ORIGINAL form(s) to the Supervisor, Emergency Response or designee for review and signature. The supervisor, Emergency Response or designee will forward the approved document(s) to Records Management System as a quality record.

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## 6.0 References

- 6.1 STPEGS Emergency Plan
- 6.2 NUREG-0654/FEMA-REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Plans and Preparedness in Support of Nuclear Power Plants
- 6.3 FEMA-REP-10, Guide for the Evaluation of Alert and Notification System for Nuclear Power Plants
- 6.4 Addendum, Prompt Notification System For the South Texas Project Electric Generating Station, FEMA-REP-10, April 1997
- 6.5 STPEGS Response Report to FEMA-REP-10, ST-HL-FD-198
- 6.6 Emergency Management Plan for Matagorda County, Bay City, and Palacios
- 6.7 OPGP05-ZV-0002, Emergency Response Activities Schedule
- 6.8 OPGP05-ZV-0014, Emergency Response Activities
- 6.9 OPGP05-ZV-0016, Prompt Notification System Implementing Procedure
- 6.10 Vendor Manual, Penetrator 10 and 15 Rotating Directional Siren
- 6.11 SPR 933336
- 6.12 CR 99-2717
- 6.13 CR 01-2821
- 6.14 CR 01-2004
- 6.15 CR 03-1951