



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

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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 Implementing Procedure

In accordance with 10CFR50.4(b)(5) and 10CFR50, Appendix E, Section V, the STP Nuclear Operating Company hereby submits the attached revision of one (1) Emergency Plan Implementing Procedure.

If there are any questions regarding this matter, please contact Mr. Fred Puleo at (361) 972-8697 or myself at (361) 972-8053.

A handwritten signature in black ink, appearing to read "P. L. Serra", is written over a horizontal line.

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FJP/mk

Enclosure: Letter of Receipt  
Summary of Changes  
0ERP01-ZV-IN02, Notifications to Offsite Agencies

A045

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**Summary of Changes for  
Notifications to Offsite Agencies  
0ERP01-ZV-IN02, Rev. 9**

This revision does not reduce the effectiveness nor change the intent of the procedure as described within the Emergency Plan.

Editorial clarifications Included:

- Data Sheet 2, Supplemental Notification Form, changed form revision from 7 to 8.
- HI Plaza name changed to Reliant Energy Plaza.
- Addendum 7, Page 2, Clarified description for initiating condition HS3.

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<small>O:\PROCEDURES\APPROVED\ERP010ZVIN02.09x          Effective Date: 01/17/00          Print Time / Date: 11:40 AM 01/05/00</small>	<h2 style="margin: 0;">0ERP01-ZV-IN02</h2>	<h3 style="margin: 0;">Rev. 9</h3>	Page 1 of 29
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**Notifications To Offsite Agencies**

Quality	Non Safety-Related	Usage: N/A	Effective Date: 01/17/00
R. L. Meier	N/A	N/A	Emergency Response Division
PREPARER	TECHNICAL	USER	COGNIZANT ORGANIZATION

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**Notifications To Offsite Agencies****1.0 Purpose and Scope**

- 1.1 This procedure specifies the actions to be taken for notifying offsite agencies and the Nuclear Regulatory Commission of a declared emergency at the South Texas Project Electric Generating Station (STPEGS).

**2.0 Definitions**

- 2.1 Emergency Notification System (ENS) - FTS2000 Telephone System, used for initial notification of an emergency to the NRC.

**3.0 Precautions and Limitations****NOTE**

Addendum 3, "Emergency Communications" provides information on the following communications links:

- NRC Emergency Notification System (ENS)
- State and County Ringdown Line
- Health Physics Network (HPN)
- HL&P Dispatcher Ringdown Line
- 800 Mhz Radio

- 3.1 Notifications to offsite agencies shall meet the following time limits and criteria:

- 3.1.1 The State of Texas and Matagorda County shall be contacted within 15 minutes of the Emergency Director declaring:

- Initial classification of the emergency;
- Change in the classification; or
- Change in Protective Action Recommendations (PARs) for the public, including changes in wind direction resulting in PARs affecting new downwind sectors.

Once contacted, the information contained in Items 1-8 and 12 of Data Sheet 1 "Offsite Agency Notification Message Form" shall be transmitted. All information shall be provided after message Number 1.

**Notifications To Offsite Agencies**

- 3.1.2 Notify the NRC Operations Center immediately following notifications to the State/County and no later than one hour after the emergency has been declared. Use Data Sheet 4, "NRC Event Notification Worksheet," as a record of conversation. If more than one communicator is available, NRC notification may be made concurrently with State/County notification.
  - 3.1.3 The Emergency Response Data System (ERDS) shall be activated at the time the NRC Operations Center is notified of the Alert, Site Area Emergency or General Emergency (see Addendum 4, "Instructions for Operating Emergency Response Data System").
  - 3.1.4 Issue updates to the State and County approximately hourly unless a State/County consensus is obtained for a reduced frequency (e.g. a static condition).
  - 3.1.5 Immediately update the NRC, via the open line of communications, per Section 5.2.1.4 of this procedure.
  - 3.1.6 After Offsite Agency Notification Message Number 1, all subsequent notifications shall be completed in entirety.
- 3.2 If the Emergency Classification or PARs are changed during the 15 minute notification period, then continue to complete notifications to the State/County prior to initiating the new notification, and inform the agencies that a change in classification or change in PAR will be forthcoming. (LCTS 9100453-936)
- 3.2.1 An exception to this situation is when Termination is declared before the offsite agencies are notified of the emergency condition. For this situation, issue both notification forms concurrently.
- 3.3 Notifications to offsite agencies shall follow the guidelines in Addendum 3, "Emergency Communications," when communication system deficiencies exist.
- 3.4 Any revisions to this procedure that directly or indirectly affect the format or usage of Data Sheet 1 shall be reviewed by the Texas Department of Health, Bureau of Radiation Control (BRC) prior to becoming effective.

**Notifications To Offsite Agencies**

## 4.0 Responsibilities

NOTE

Refer to Addendum 1, "Responsibilities for Notification."

- 4.1 The individual with Emergency Director authority is responsible for approving all notifications to offsite agencies and ensuring notifications are made within the required time frames.
- 4.2 The Shift Supervisor is responsible for implementation of this procedure while functioning as the Emergency Director. Actual completion of forms may be delegated to the communicators.
- 4.3 The Control Room ENS Communicator is responsible for maintaining the open line with the NRC, unless otherwise directed by the NRC. This responsibility shall not transfer to the Technical Support Center (TSC) or Emergency Operations Facility (EOF).
- 4.4 The Control Room ENS Communicator is responsible for activating the ERDS at the time the NRC Operations Center is notified of the Alert, Site Area Emergency, or General Emergency (see Addendum 4).
- 4.5 The Control Room State/County Communicator is responsible for notifications to the State/County and for maintaining Data Sheet 3, "Offsite Agencies Log," while the Shift Supervisor has Emergency Director authority.
- 4.6 The Chemical/Radiochemical Manager in the TSC is responsible for gathering information and preparing Data Sheet 1 and implementation of this procedure while the TSC Manager has Emergency Director authority. The Chemical/Radiochemical Manager is responsible for ensuring the correctness and timeliness of Data Sheet 1.
- 4.7 The TSC Communicator in the TSC is responsible for completing notifications to the State/County and NRC when provided completed notification forms from the Chemical/Radiochemical Manager, and maintaining Data Sheet 3. The TSC Communicator shall maintain a file containing copies of all Data Sheet 1 which originate from either the Control Room or Technical Support Center.
- 4.8 The Engineering Assistant in the EOF is responsible for implementation of this procedure while the EOF Director has Emergency Director authority. The Engineering Assistant is responsible for gathering information and preparing Data Sheet 1, and has primary responsibility for the correctness and timeliness of Data Sheet 1. The Engineering Assistant should also, if time permits, routinely complete Data Sheet 2.

### Notifications To Offsite Agencies

- 4.9 The Offsite Agency Communicator in the EOF is responsible for completing notifications to the State/County, when directed by the Emergency Director, and for maintaining Data Sheet 3. The Offsite Agency Communicator shall maintain a file containing a copy of all Data Sheet 1 from the start of the event to recovery.
- 4.10 The Licensing Director in the EOF is responsible for completing notifications to the NRC over the ENS once the EOF is activated.

#### 5.0 Procedure

#### CAUTION

The State and County are required to be contacted within 15 minutes of the Emergency Director declaring any of the following:

- Initial classification of the emergency, (Item 4)
- Change in the classification, (Item 4) or
- Change in Protective Action Recommendations (PARs) for the public, including changes in wind direction resulting in PARs affecting new downwind sectors, (Item 6).

#### 5.1 Offsite Agency Notification (State/County)

#### NOTE

Print the information on Data Sheet 1 (black ink should be used).

**ONLY BLOCKS 1-8 AND 12 ARE REQUIRED TO BE COMPLETED UPON INITIAL NOTIFICATION. ALL INFORMATION SHALL BE PROVIDED AFTER MESSAGE NUMBER 1.**

#### 5.1.1 Complete Data Sheet 1

#### NOTE

The Communicator, at the time of contact, enters the names of the persons contacted at DPS Pierce and Matagorda County at the top of each form. Record the time of contact.

- 5.1.1.1 ITEM 1 - Name of the STPEGS person communicating information to offsite agencies. Mark the applicable Unit. If the event is common unit, then mark Unit 1.
- 5.1.1.2 ITEM 2 - Mark if notification is or is not a drill.



**Notifications To Offsite Agencies**

- 5.1.1.3      ITEM 3 - Start with number one (1). Number sequentially, independent of facility originating Data Sheet 1, and indicate which facility is originating the message.
- 5.1.1.4      ITEM 4 - Mark if the classification is new or unchanged. Fill in the date and time the current classification was declared. Mark the event classification.
- 5.1.1.5      ITEM 5 - A radiological release is defined as exceeding the Emergency Action Level (EAL) for an Unusual Event.
- 5.1.1.6      ITEM 6 - Mark if the recommended protective actions are new or unchanged.
- a.      Refer to 0ERP01-ZV-IN07, "Offsite Protective Action Recommendations" for PARs. Mark Block A or B. If Block A is marked then go to Step 5.1.1.7.
- b.      Ensure correct notations are used for zones and sectors. Zones range from 1 to 11. Sectors range from A to R. Refer to Addendum 4 in 0ERP01-ZV-IN07, "Offsite Protective Action Recommendations," for a cross reference of zones and sectors.
- 5.1.1.7      ITEM 7 - Indicate BRC disposition on PARs recommendation or "BRC Not Contacted."
- 5.1.1.8      ITEM 8 - Mark if the event description is new or unchanged. Enter the alpha numeric designator in the initiating condition line.
- a.      Addendum 6 contains suggested wording which may be used by the communicator as an aid.
- b.      If wording other than that provide in Addendum 6 is used, then, include a brief explanation of the event in lay terms for clarification to offsite agencies. Legibly print a non-technical description of the event. **DO NOT USE ACRONYMS.**

### Notifications To Offsite Agencies

#### NOTE

Only Blocks 1 - 8 and 12 are required to be completed upon initial notification. The remainder of the form should be completed if time allows. The entire form shall be completed on all subsequent notifications or updates.

- c. ITEM 9 - Mark "NEW" or "UNCHANGED." Meteorological data is available on Emergency Response Facility Data Acquisition Display System (ERFDADS) or RM-21. Ensure 15 minute average lower wind speed and wind direction are used. See Addendum 5, "Atmospheric Stability Classification."
  - 5.1.1.9 ITEM 10 - Mark "NEW" or "UNCHANGED." A radiological release is defined as exceeding the EAL for an Unusual Event. Use a default 4 hour value if the release duration unknown.
  - 5.1.1.10 ITEM 11 - Additional remarks, if any.
  - 5.1.1.11 ITEM 12 - Signature of Emergency Director authorizing release of Data Sheet 1.
- 5.1.2 Complete notifications using Data Sheet 3.
  - 5.1.2.1 Contact State/County on ringdown line or alternate numbers.
    - a. Read ITEMS 1-8.
    - b. Supply information in Items 9-11, if available.
  - 5.1.2.2 Fax notification forms. Log time fax completed and confirmed.
  - 5.1.2.3 If the Communicator is also making NRC notifications, complete Section 5.2 of this procedure prior to continuing.
  - 5.1.2.4 Contact BRC and issue information on Data Sheet 1.
  - 5.1.2.5 Notify unaffected Unit Control Room that an emergency fax notification has been made.
  - 5.1.2.6 Notify HL&P System Operations on ECDC Unit 1 or Unit 2 ringdown lines that emergency fax notification has been made.
- 5.1.3 Issue update notifications to State and County approximately hourly unless a State/County consensus is obtained for a reduced frequency (e.g. a static condition).

**Notifications To Offsite Agencies**

- 5.1.3.1 Update notifications are made using Data Sheet 1, "Offsite Agency Notification Message Form."
- 5.1.3.2 If the Emergency Director is located in the Emergency Operations Facility and events are not rapidly changing, then, following issuance of Data Sheet 1, issue Data Sheet 2, "Supplemental Notification Form." (Guidance for issuing Data Sheet 2 is found in Addendum 2, "Special Instructions for Completing Supplemental Notification Form.")
- 5.1.4 If Data Sheet 1 or Data Sheet 2 is issued with incorrect information, then immediately contact the notified agencies, correct the information and follow-up with a corrected Data Sheet 1 or Data Sheet 2.
- 5.1.5 If Data Sheet 1 or Data Sheet 2 is being transmitted with incorrect information, then immediately stop transmission, gather the correct information, and re-transmit a corrected Data Sheet 1 or Data Sheet 2.

**5.2 NRC Notification****NOTE**

Complete Data Sheet 4 (black ink should be used) for initial NRC notification. Complete all applicable blocks on the worksheet.

- 5.2.1 Notify the NRC Operations Center immediately following initial notification of State/County agencies and no later than one hour after the emergency has been declared. If more than one communicator is available, these notifications may be done concurrently. Use Data Sheet 4 as a record of initial conversation. Additional records of conversation may be made on Emergency Action Log Sheets.
- 5.2.1.1 Description - Provide a description of the event to include systems affected, actuation's and initiating signals, causes, effect of event on plant, actions taken or planned, etc. Additional space is provided on back of Data Sheet 4. Check block when Control Room Log Book entry is made.
- 5.2.1.2 Radiological Releases - Complete this section if the event is radiologically based. Information from Data Sheet 1 may be used if information described in Data Sheet 4 is not available and obtaining it would likely cause a late notification.
- 5.2.1.3 Activate the ERDS at the time the NRC Operations Center is notified of the Alert, Site Area Emergency or General Emergency (see Addendum 4).

**Notifications To Offsite Agencies**

5.2.1.4 The Control Room ENS Communicator must maintain an open telephone line with the NRC, unless otherwise directed by the NRC. During the course of the event, immediately report any further degradation in the level of safety of the plant or other worsening conditions, including those that require declaration of any of the emergency classes, or may change from one emergency class to another, or a termination of the emergency class. Immediately report the results of ensuing evaluations or assessments of plant conditions, the effectiveness of response or protective measures taken, and information relating to plant behavior that is not understood.

5.2.2 Notify NRC Resident Inspector. Log time of contact on Data Sheet 4.

**6.0 References**

- 6.1 STPEGS Emergency Plan
- 6.2 OPGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide
- 6.3 0ERP01-ZV-IN07, Offsite Protective Action Recommendations
- 6.4 0ERP01-ZV-IN01, Emergency Classification
- 6.5 10CFR50.72(a)ii.3
- 6.6 Inspection Report 91-03-01 (LCTS 9100453-936)
- 6.7 10CFR50 Appendix E - IV.D.3
- 6.8 IEN 89-89

**7.0 Support Documents**

- 7.1 Data Sheet 1 - Offsite Agency Notification Message Form (Typical)
- 7.2 Data Sheet 2 - Supplemental Notification Form (Typical)
- 7.3 Data Sheet 3 - Offsite Agencies Log
- 7.4 Data Sheet 4 - NRC Event Notification Worksheet (Typical)
- 7.5 Addendum 1 - Responsibilities for Notifications
- 7.6 Addendum 2 - Special Instructions for Completing Supplemental Notification Form
- 7.7 Addendum 3 - Emergency Communications

**Notifications To Offsite Agencies**

- 7.8 Addendum 4 - Instructions for Operating Emergency Response Data System (ERDS)
- 7.9 Addendum 5 - Atmospheric Stability Classification
- 7.10 Addendum 6 - Suggested Wording for Event Description

Notifications To Offsite Agencies

STP 1690 (04/98)

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

Rev. 12

OFFSITE NOTIFICATION MESSAGE FORM

	Roll call: _____ DPS Pierce	_____ Matagorda County	_____ Time
A L W A Y S C O M P L E T E	1. Communicator: Name _____ <input type="checkbox"/> U1 <input type="checkbox"/> U2 2. <input type="checkbox"/> This is a drill <input type="checkbox"/> This is <u>NOT</u> a drill 3. Message Number _____, Originating From: <input type="checkbox"/> CR <input type="checkbox"/> TSC <input type="checkbox"/> EOF 4. Emergency Classification: <input type="checkbox"/> New <input type="checkbox"/> Unchanged Declared at: _____ Date: _____ Time: _____ <input type="checkbox"/> Unusual Event <input type="checkbox"/> Alert <input type="checkbox"/> Site Area Emergency <input type="checkbox"/> General Emergency <input type="checkbox"/> Terminated 5. Radiological release in progress: <input type="checkbox"/> Yes <input type="checkbox"/> No 6. Recommended Protective Actions: <input type="checkbox"/> New <input type="checkbox"/> Unchanged A. <input type="checkbox"/> No recommended protective actions at this time. B. <input type="checkbox"/> Recommended protective actions are: 1. Evacuate from zones: _____ 2. Sectors affected: _____ 7. Bureau of Radiation Control (BRC) concurs with recommendations in 6 above: <input type="checkbox"/> Yes <input type="checkbox"/> BRC Not Contacted <input type="checkbox"/> No 8. Event Description: <input type="checkbox"/> New <input type="checkbox"/> Unchanged Classification Path/Initiating Condition: _____ Explain: _____ _____ _____ _____		
F O L L O W U P	9. Meteorological data: <input type="checkbox"/> New <input type="checkbox"/> Unchanged A. Wind direction from _____ Degrees Wind speed _____ MPH B. Stability Class (Check One): <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G C. Precipitation (Check One): <input type="checkbox"/> None <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Snow <input type="checkbox"/> Hail <input type="checkbox"/> Fog 10. Release Involves: <input type="checkbox"/> New <input type="checkbox"/> Unchanged A. <input type="checkbox"/> Radiological release in progress: Expected Duration: _____ hrs. Started: Date _____ Time _____ B. <input type="checkbox"/> Radiological release which has ended: Duration: _____ hrs. Terminated: Date _____ Time _____ 11. Remarks: _____ _____ _____		
A L L	12. Approved: _____ Date _____ Time _____		

Notification To Offsite Agencies

Data Sheet 2

Supplemental Notification Form (Typical)

Page 1 of 1

TP 1686C (12/99)  
REV. 8

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

SUPPLEMENTAL NOTIFICATION FORM

THIS IS A DRILL  
THIS IS NOT A DRILL

1. MESSAGE S- 3. EMERGENCY DIRECTOR LOCATION: ( ) CR ( ) TSC ( ) EOF  
( ) AEOF

2. UNIT STATUS: UNIT 1 POWER \_\_\_\_\_  
UNIT 2 POWER \_\_\_\_\_ NAME: \_\_\_\_\_

STATUS OF BOUNDARY	4. FUEL CLADDING	5. REACTOR COOLANT SYSTEM	6. CONTAINMENT
INTACT	( )	( )	( )
POTENTIAL LOSS	( )	( )	( )
LOSS	( )	( )	( )
RE-ESTABLISHED	N/A	( )	( )

7. PROGNOSIS OF SITUATION  
( ) IMPROVING ( ) STABLE  
( ) DEGRADING SLOWLY ( ) DEGRADING QUICKLY  
( ) UNKNOWN, UNDER ASSESSMENT

8. EAL #: \_\_\_\_\_

9. NUMBER OF FUNCTIONAL SAFETY TRAINS: \_\_\_\_\_

10. OFFSITE SUPPORT REQUESTED  
( ) NONE  
( ) AMBULANCE  
( ) FIRE  
( ) LOCAL LAW ENFORCEMENT  
( ) WESTINGHOUSE  
( ) BECHTEL  
( ) INPO  
( ) NRC  
( ) OTHER \_\_\_\_\_

11. ONSITE PROTECTIVE MEASURES ORDERED	YES	NO
ACCOUNTABILITY	_____	_____
EVACUATION OF NON-ESSENTIALS	_____	_____
CONTROL ROOM EVACUATION	_____	_____
TSC/OSC RELOCATION	_____	_____
EOF RELOCATION	_____	_____
POTASSIUM IODIDE ISSUED	_____	_____
MEDICAL EMERGENCY OFFSITE TRANSPORT	_____	_____
OTHER _____	_____	_____

12. ORGANIZATION /FACILITIES ACTIVATED  
( ) TSC/OSC  
( ) EOF  
( ) ALTERNATE EOF  
( ) JIC

14. MISCELLANEOUS INFORMATION  
\_\_\_\_\_  
\_\_\_\_\_

13. PROJECTED OFFSITE DOSES (CENTERLINE)	TEDE (REM)	THYROID CDE (REM)
A. EXCLUSION AREA BOUNDARY	_____	_____
B. 2 MILES	_____	_____
C. 5 MILES	_____	_____
D. 10 MILES	_____	_____
E. ESTIMATED RELEASE DURATION	_____	HRS
F. RELEASE RATE	_____	$\mu$ Ci/sec

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

15. EMERGENCY DIRECTOR APPROVAL:

SIGNATURE

DATE

TIME

16. ACKNOWLEDGMENT OF RECEIPT:

SIGNATURE

DATE

TIME

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<b>Notifications To Offsite Agencies</b>			
Data Sheet 3	<b>Offsite Agencies Log</b>		Page 1 of 1

MESSAGE NUMBER	*MATAGORDA COUNTY	*DPS - PIERCE	FAX COMPLETED AND CONFIRMED	*TEXAS DEPT. OF HEALTH (BRC)	*UNAFFECTED UNIT CONTROL ROOM HL&P ECDC	NOTIFICATIONS COMPLETED
	CONSOLE OR 409-245-5526  OR 409-244-1178 (When EOC Activated)	CONSOLE OR 409-543-6878 OR 409-532-1740	(Refer to Addendum 2)	512-834-6688 OR 512-458-7460	U1-8614/8610/ 8595/7732 U2-7953/8549/ 8683/8156 ECDC Ringdown or 281-897-2202	BY: NAME/LOCATION
15 MINUTE NOTIFICATION REQUIRED						

**\*LOG THE TIME OF CONTACT.**

WHEN COMPLETED, THIS RECORD SHALL BE RETAINED IN ACCORDANCE WITH THE DOCUMENT TYPE LIST (DTL).



Notifications To Offsite Agencies

NRC FORM 361 (3-80) U.S. NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER  
**EVENT NOTIFICATION WORKSHEET**

NOTIFICATION TIME	FACILITY OR ORGANIZATION	UNIT	CALLER'S NAME	CALL BACK #:	ENS _____
				or ( ) _____ - _____	

EVENT TIME & ZONE	EVENT DATE / /
POWER/MODE BEFORE	POWER/MODE AFTER

<b>1-Hr Non-Emergency 10 CFR 50.72(b)(1)</b>		(v) Emergency Siren INOP	AESS
(i)(A) TS Required S/D	ASHU	(vi) Fire	AFIR
(i)(B) TS Deviation	ADEV	(vi) Toxic Gas	ACHE
(ii) Degraded Condition	ADEG	(vi) Rad Release	ARAD
(ii)(A) Unanalyzed Condition	AUNA	(vi) Oth Hampering Safe Op.	AHIN
(ii)(B) Outside Design Basis	AOUT	<b>4-Hr Non-Emergency 10 CFR 50.72(b)(2)</b>	
(ii)(C) Not Covered by OPs/EPs	ACNC	(i) Degrade While S/D	ADAS
(iii) Earthquake	ANEA	(ii) RPS Actuation (scram)	ARPS
(iii) Flood	ANFL	(ii) ESF Actuation	AESF
(iii) Hurricane	ANHU	(iii)(A) Safe S/D Capability	AINA
(iii) Ice/Hail	ANIC	(iii)(B) RHR Capability	AINB
(iii) Lightning	ANLI	(iii)(C) Control of Rad Release	AINC
(iii) Tornado	ANTO	(iii)(D) Accident Mitigation	AIND
(iii) Oth Natural Phenomenon	ANOT	(iv)(A) Air Release > 2X App B	AAIR
(iv) ECCS Discharge to RCS	ACCS	(iv)(B) Liq Release > 2X App B	AUQ
(v) Lost ENS	AENS	(v) Offsite Medical	AMED
(v) Lost Other Assessment/Comms	AAARC	(v) Offsite Notification	APRE

EVENT CLASSIFICATIONS	
GENERAL EMERGENCY	GEN/AAEC
SITE AREA EMERGENCY	SIT/AAEC
ALERT	ALE/AAEC
UNUSUAL EVENT	UNU/AAEC
50.72 NON-EMERGENCY (see next columns)	
PHYSICAL SECURITY (73.71)	D???
TRANSPORTATION	NTRA
MATERIAL/EXPOSURE	B??/?E??/?F???
FITNESS FOR DUTY	HFIT
OTHER	N??/?C??/?G???

**DESCRIPTION**

Include: Systems affected, actuations & their initiating signals, causes, effect of event on plant, actions taken or planned, etc.

CONTROL ROOM LOG BOOK entry w/description made.

NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	YES (Explain above)	NO
NRC RESIDENT						
STATE(s)				DID ALL SYSTEMS FUNCTION AS REQUIRED?	YES	NO (Explain above)
LOCAL						
OTHER GOV AGENCIES				MODE OF OPERATION UNTIL CORRECTED:	ESTIMATED RESTART DATE:	ADDITIONAL INFO ON BACK?
MEDIA/PRESS RELEASE						<input type="checkbox"/> YES <input type="checkbox"/> NO

Notifications To Offsite Agencies

NRC FORM 361 (2-88)

ADDITIONAL INFORMATION

USNRC OPERATIONS CENTER

**RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)**

<input type="checkbox"/>	LIQUID RELEASE	<input type="checkbox"/>	GASEOUS RELEASE	<input type="checkbox"/>	UNPLANNED RELEASE	<input type="checkbox"/>	PLANNED RELEASE	<input type="checkbox"/>	ONGOING	<input type="checkbox"/>	TERMINATED
<input type="checkbox"/>	MONITORED	<input type="checkbox"/>	UNMONITORED	<input type="checkbox"/>	OFFSITE RELEASE	<input type="checkbox"/>	T.S. EXCEEDED	<input type="checkbox"/>	RM ALARMS	<input type="checkbox"/>	AREAS EVACUATED
<input type="checkbox"/>	PERSONNEL EXPOSED OR CONTAMINATED			<input type="checkbox"/>	OFFSITE PROTECTIVE ACTIONS RECOMMENDED			*State release path in description.			

	Release Rate (Ci/sec)	% T.S. LIMIT	HOO GUIDE	Total Activity (Ci)	% T.S. LIMIT	HOO GUIDE
Noble Gas			0.1 Ci/sec			1000 Ci
Iodine			10 uCi/sec			0.01 Ci
Particulate			1 uCi/sec			1 mCi
Liquid (excluding tritium & dissolved noble gases)			10 uCi/min			0.1 Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						

	PLANT STACK	CONDENSER/AIR EJECTOR	MAIN STEAM LINE	SG BLOWDOWN	OTHER
RAD MONITOR READINGS:					
ALARM SETPOINTS:					
% T.S. LIMIT (if applicable)					

**RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description)**

LOCATION OF THE LEAK (e.g., SG = , valve, pipe, etc.):

LEAK RATE:	UNITS: gpm/gpd	T.S. LIMITS:	SUDDEN OR LONG TERM DEVELOPMENT:
LEAK START DATE:	TIME:	COOLANT ACTIVITY & UNITS	PRIMARY - SECONDARY -

LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL:

**EVENT DESCRIPTION (Continued from front)**

## Notifications To Offsite Agencies

Addendum 1

## Responsibilities For Notification

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RESPONSIBILITY	RESPONSIBLE PERSON BASED ON LOCATION OF EMERGENCY DIRECTOR		
	CR	TSC	EOF
Complete Data Sheet 1, "Offsite Agency Notification Message Form"	State/County Communicator	Chemical/Radiochemical Manager	Engineering Assistant
Complete Data Sheet 4, "NRC Event Notification Worksheet" and Maintain Open Line	ENS Communicator		
Update NRC on event status	ENS Communicator	Chemical/Radiochemical Manager	Licensing Director
Complete Data Sheet 2, "Supplemental Notification Form"			Engineering Assistant
Log State/County Notifications using Data Sheet 3, "Offsite Agencies Log"	State/County Communicator	TSC Communicator	Offsite Agency Communicator

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NOTE

- Data Sheet 2 should be completed using black ink. No items are to be left blank even if information is unchanged.
- The Engineering Assistant should, if time permits, routinely complete Data Sheet 2.

- ITEM 1 - Use same number as on Data Sheet 1, which will be completed in conjunction with this form.
- ITEM 3 - Identify the location of the Emergency Director and the name of the Communicator.
- ITEM 9 - Enter the number of Engineered Safety Features (ESF) trains in the affected unit which are functional.
- ITEM 10 - Mark offsite support requested which will be responding to the site. This block is completed to facilitate the support group requested through county established road blocks.
- ITEM 14 - Examples of miscellaneous information:
- a. Estimate of quantity of radioactive material released or being released and the points and heights of releases.
  - b. Chemical and physical form of released material, including estimates of the relative quantities and concentration of noble gases, iodines and particulates.
  - c. Estimate of any surface radioactive contamination in plant, onsite or offsite.
  - d. Any licensee emergency response actions underway.
- GENERAL -
- a. Enter "unavailable" if information is not known.
  - b. Enter "N/A" if item is not applicable.

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c. Fax the completed and approved Data Sheet 2 to all agencies listed below:

- Matagorda County Sheriff's Office Dispatcher
- Matagorda County Emergency Operations Center
- Texas Department of Public Safety (DPS) - Pierce, TX
- Texas Department of Health - BRC
- Division of Emergency Management
- Texas Department of Public Safety - Houston, TX
- Emergency Operations Facility
- Affected Unit's TSC
- Affected Unit's Control Room (when Emergency Direction is not in Control Room)
- Unaffected Unit's Control Room
- Site Public Affairs (EOF)
- Joint Information Center (JIC) (if activated)
- Energy Control Data Center

NOTE

Fax numbers can be found in the STPEGS Emergency Communications Directory.

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1.0 Emergency Communications System

1.1 Emergency Notification System (ENS)

- 1.1.1 The ENS is a telephone circuit provided by the NRC.
- 1.1.2 The ENS is activated to notify the NRC of a declared emergency or drills/exercises and to maintain communications with the NRC Operations Center as needed.
- 1.1.3 If the ENS is activated, then a person SHALL remain on the line until the NRC agrees that the ENS may be terminated.
- 1.1.4 There are six (6) methods to notify the NRC. These are:
  - 1.1.4.1 ENS telephone
  - 1.1.4.2 Outside phone lines
  - 1.1.4.3 Control Room direct phone line to Bay City
  - 1.1.4.4 Microwave line to Reliant Energy Plaza and call forwarded to the NRC
  - 1.1.4.5 Ringdown line to the Energy Control and Distribution Center (ECDC) and call forwarded to the NRC
  - 1.1.4.6 Security radio communications to Matagorda County Sheriff's Office and forwarded to the NRC
- 1.1.5 The principal method of communications with the NRC is the ENS. The circuit may also be activated by the NRC.
- 1.1.6 If the ENS is out of service, then use outside phone lines to notify the NRC at one of the following telephone numbers (in order of priority) AND remain on the line.
  - 1.1.6.1 9-1-301-816-5100
  - 1.1.6.2 9-1-301-951-0550

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- 1.1.7 If the outside telephone lines are out of service, then use the Control Room direct phone line to Bay City and notify the NRC at one of the following telephone numbers (in order of priority) AND remain on the line.
  - 1.1.7.1 1-301-816-5100
  - 1.1.7.2 1-301-951-0550
- 1.1.8 If the Control Room direct telephone line to Bay City is out of order, then use the microwave tower line (32-0) to Reliant Energy Plaza (24 hours) and have the operator/Security complete the phone call to the NRC AND remain on the line if requested by the NRC.
- 1.1.9 If the microwave tower line is out of service, then use the ringdown line to the ECDC and have the dispatcher forward the telephone call or information to the NRC AND remain on the line if requested by the NRC.
- 1.1.10 If the ringdown line to the ECDC is out of service, then use the Security radio console to contact the Matagorda County Sheriff's Office and request the information be forwarded to the NRC. Stay on the radio with the Matagorda County Sheriff's Office.
- 1.2 State and County Ringdown Line
  - 1.2.1 The State-County ringdown line is provided to notify State and County officials of a declared emergency.
  - 1.2.2 The State-County ringdown line is an automatic ringdown telephone circuit terminated on a communications console or an ORANGE telephone.
  - 1.2.3 There are six (6) methods to notify the State/County. These are:
    - 1.2.3.1 State/County ringdown telephone
    - 1.2.3.2 Outside telephone lines
    - 1.2.3.3 Control Room direct telephone line to Bay City

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- 1.2.3.4 Microwave line to Reliant Energy Plaza and call forwarded to the State and County.
- 1.2.3.5 Security radio communications with the County.
- 1.2.3.6 Ringdown line to the ECDC and call forwarded to the State/County.
- 1.2.4 If the State/County ringdown line is out of service, then use outside telephone lines to notify the State and County at one of the following telephone numbers:
  - 1.2.4.1 State/DPS-Pierce
    - a. 9-1-409-543-6878
    - OR
    - b. 9-1-409-532-1740
  - 1.2.4.2 Matagorda County Sheriff's Office
    - a. 9-1-409-245-5526
- 1.2.5 If outside telephone lines are out of service, then use the Control Room direct telephone line to Bay City to notify the State/County.
- 1.2.6 If the Control Room direct telephone line to Bay City is out of service, then use the microwave line (32-0) to Reliant Energy Plaza (24 hours) and have the Operator/Security complete the telephone calls to the State/County.
- 1.2.7 If the microwave line is out of service, then use the Security radio communications to notify the County.
- 1.2.8 If Security radio communications are out of service, then use the ringdown line to the ECDC and have the dispatcher forward the telephone call or information to the State/County.



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1.3 Health Physics Network (HPN)

1.3.1 The HPN is terminated on an FTS 2000 telephone.

1.3.2 The HPN is to be used only at the request of the NRC.

1.3.3 If the HPN telephone is out of service, then use outside telephone lines to contact the NRC at 301-951-1212.

1.3.4 If the outside telephone lines are out of service, then use the microwave line (32-0) to Reliant Energy Plaza (24 hours) and have the Operator/Security complete the telephone call to the NRC/HPN.

1.3.5 If the HPN telephone line is out of service, then notify the NRC Operations Center. (IEN 89-19)

1.3.5.1 NOTIFY the NRC when the telephone set has been returned to service. (IEN 89-19)

1.3.6 The HPN telephone is designed to provide communications with the NRC Health Physics Section and/or other nuclear power plants during a declared emergency or drill/exercise. STPEGS health physics personnel MAY request a conference call with other nuclear power plants on the HPN by asking the NRC to connect the desired plant(s).

1.4 HL&P Dispatcher Ringdown Line

1.4.1 The HL&P Dispatcher ringdown line is an automatic ringdown between the Energy Control and Data Center (ECDC) and STPEGS communications consoles.

1.5 800 MHz Radio

1.5.1 Press "HOME" on keypad to ensure channel 65 is on the LCD display. Channel 65 is monitored by the dispatcher.

1.5.2 If unnecessary traffic is coming over the radio, use "MODE" on the keypad until the prompt appears to put the radio to "sleep." Entering "0" will put the unit to sleep. Pressing any button on the keypad will wake the unit up. Traffic will again be monitored.

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- 1.5.3 To contact the dispatcher, press "ECC" on the keypad. Channel 65 should be displayed, and momentarily, the dispatcher will acknowledge the unit calling. The handset is a push to talk handset.
- 1.5.4 The 800 MHz has many additional capabilities, including, use as a radio-telephone. Contact the EOF Communications Supervisor for additional instructions.

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Addendum 4	Instructions For Operating Emergency Response Data Systems (ERDS)		Page 1 of 3

- 1.0 Emergency Response Data System (ERDS) Activation, Termination, and Error Handling Instructions:
- 2.0 Steps to Activate the ERDS from Integrated Computer System / Emergency Response Facility Data Acquisition Display System (ICS/ERFDADS) Main Menu:
  - 2.1 Click on the Menu UP Arrow (WDPF Main Menu)
  - 2.2 Select "Custom Graphics"
  - 2.3 Select "Top Level Menu"
  - 2.4 Select "AF, AM, AP, BR, & CC DISPLAYS"
  - 2.5 Select "NRC Link Control"
  - 2.6 Click in "ACTIVATE" Block to connect with the NRC ERDS Computer at the NRC Operations Center in Rockville, Maryland, via a dedicated telephone line.
  - 2.7 The dial-up should generally succeed within one minute, at which time the NRC Link Control screen will indicate "ACTIVE" and "ONLINE" and will begin counting "GOOD CYCLES." Otherwise, the ICS/ERFDADS will automatically re-dial and attempt to connect with the NRC ERDS computer several additional times. If no connection is established within approximately five minutes, then NRC Link Control screen will indicate the link status via error messages. If more than five minutes elapses without a successful response, then site personnel should notify the NRC before terminating efforts to establish the ERDS datalink.
  - 2.8 The display terminal may now be used for other purposes while the ERDS data continues to be transmitted to the NRC. Whenever the ERDS is active, it is suggested that "NRC Link Control" or "NRC Link Status" screen be used to monitor the status of the ERDS datalink.
- 3.0 Steps to terminate the ERDS:
  - 3.1 If "NRC Link Control" screen is not present on an ICS/ERFDADS terminal, repeat the ERDS activation steps 2.1, 2.2, 2.3, 2.4, and 2.5.

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- 3.2 When "NRC Link Control" screen is present on the terminal "CLICK" in the "TERMINATE" Block. This action causes the ICS/ERFDADS to disconnect the telephone connection with the NRC ERDS computer in Rockville, Maryland.
- 3.3 When the ERDS is terminated by STP, the "NRC Link Control" and "NRC Link Status" screens will show the message "Terminated" and the Link Status Block with the message "OFFLINE". When STP terminates the ERDS, then 15 minutes must lapse before attempting to activate the ERDS again from the same STP Unit.

4.0 Steps to handle ERDS error conditions:

- 4.1 If an error condition occurs, then the error messages will be displayed on "NRC Link Control" and "NRC Link Status" screens. If an error condition occurs, then obtain a hardcopy of the error message using Print Screen.
- 4.2 When the ERDS is active and no errors are occurring, then displays "NRC Link Control" and "NRC Link Status" screens will tag the ERDS Messages block with the message "Active," the Link Status block with the message "Online," the Read Error block with the message "OK," the Nonsensical error block with the message "OK." and the Write Error block with the message "OK."
- 4.3 If an attempt is made to activate the ERDS by STP and all telephone lines at NRC are busy, then displays "NRC Link Control" and "NRC Link Status" screens will tag the ERDS Messages block with the message "NRC lines busy." Obtain a hardcopy of the display showing the "NRC lines busy" message and then follow the steps to terminate the ERDS. Periodically try again to activate the ERDS, producing a hardcopy of the display each time the "NRC lines busy" message is shown.
- 4.4 If an attempt is made to activate the ERDS by STP and NRC denies access to the ERDS computer system in Rockville, Maryland, then displays "NRC Link Control" and "NRC Link Status" will tag the ERDS Messages block with the message "Unaccepted by NRC." Obtain a hardcopy of the display showing the denied access by NRC message and then follow the steps to terminate the ERDS. Periodically try again to activate the ERDS, producing a hardcopy of the display each time the denied access by NRC message is shown.
- 4.5 NRC has the ability to terminate an active ERDS link. If NRC terminates such a link, then displays "NRC Link Control" and "NRC Link Status" will tag the ERDS Messages block with the message "Terminated by NRC" and the Link Status block with the message "Offline." Obtain a hardcopy the display showing the ERDS link termination by NRC.

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- 4.6 If the ERDS link is active and the telephone line is disconnected, then the ICS/ERFDADS will automatically re-dial and attempt to reconnect with the NRC ERDS computer system. If the telephone line is disconnected, then displays "NRC Link Control" and "NRC Link Status" will tag the ERDS Messages block with either the message "Active" or with the message "Modem trouble," the Link Status block with the message "Offline," and the remainder of the status messages blocks with the message "OK" or the message "TRBL."

If the ERFDADS is not able to reconnect with the NRC ERDS computer system, then hardcopy the displayed error messages and contact the ERFDADS System Engineer.

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Addendum 5	Atmospheric Stability Classification		Page 1 of 1

<b>Stability Classification</b>	<b>Class</b>	<b>Delta T (60m-10m)°F</b>	<b>Sigma-Theta</b>
Extremely Unstable	A	< -1.7	≥ 22.5
Moderately Unstable	B	-1.71 TO -1.53	17.5 TO 22.5
Slightly Unstable	C	-1.52 TO -1.35	12.5 TO 17.5
Neutral	D	-1.34 TO - 0.45	7.5 TO 12.5
Slightly Stable	E	-0.44 TO 1.35	3.8 TO 7.5
Moderately Stable	F	1.36 TO 3.60	2.1 TO 3.8
Extremely Stable	G	> 3.60	< 2.1

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Addendum 6	Suggested Wording for Event Description		Page 1 of 2

**NOTE**

Obtain Initiating Condition alpha-numeric designation from the Emergency Director. Match designation with list below and enter into item 8 of Data Sheet 1.

**Fission Product Barrier Degradation**

FU1	Loss or potential loss of Containment barrier
FA1	Loss or potential loss of Fuel Clad or Reactor Coolant System barrier
FS1	Loss or potential loss of two fission product barriers
FG1	Loss of two fission product barriers with potential loss or loss of the third barrier

**System Malfunction**

SU1	Loss of offsite power to safety systems. Multiple sources of emergency power are available.
SU2	Plant operation determined to be outside of plant safety specifications.
SU3	Unplanned loss of most Control Room safety system alarm indications.
SU4	Unplanned loss of all onsite or offsite communications capabilities.
SU5	Unplanned loss of safety related battery power causing difficulty monitoring plant conditions while shutdown.
SU6	Indication of degradation or potential loss of the Fuel Clad fission product barrier.
SU7	Indication of degradation of Reactor Coolant System fission product barrier.
SA1	Loss of all power to safety systems while the plant is shutdown and cooled down.
SA2	Reactor failed to automatically shutdown when required. Manual shutdown was successful.
SA3	Inability to maintain appropriate cooled down temperature while shutdown.
SA4	Difficulty monitoring changing plant conditions due to unplanned loss of most Control Room safety system alarm indications.
SA5	Electrical power to safety systems has degraded to a single source.
SS1	Loss of all electrical power to safety systems.
SS2	Reactor failed to automatically shutdown when required. Initial attempts at manual shutdown were not successful.
SS3	Unplanned loss of safety related battery power compromising the ability to monitor and control plant safety functions.
SS4	Complete loss of systems required for plant cooldown.
SS5	Loss of water level in the Reactor Vessel that has or will uncover the fuel in the Reactor Vessel while the plant is shutdown and cooled down.
SS6	Inability to monitor changing plant conditions due to unplanned loss of most Control Room safety system alarm indications.
SG1	Prolonged loss of all electrical power to safety systems which will lead to a loss of all three fission product barriers unless restored.
SG2	All attempts to shutdown the reactor have been unsuccessful which may lead to loss of all three fission product barriers.

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**Abnormal Radiological Levels**

- RU1 Unplanned release to the environment of very low levels of radioactivity which exceed effluent limits and indicates a degradation in plant radiological controls.
- RU2 Unexpected increase in plant radiation levels.
- RA1 Unplanned release to the environment of low levels of radioactivity which significantly exceed effluent limits and indicates a substantial degradation in plant radiological controls.
- RA2 Potential damage or damage to spent nuclear fuel outside of the Reactor Vessel.
- RA3 Elevated plant radiation levels impede necessary access to plant operating stations.
- RS1 Actual or projected radiological dose at the site boundary has reached a level which is equal to 10% of the dose which would prompt an offsite protective action recommendation.
- RS2 An unexpected increase in containment radiation levels indicate a loss or potential loss of two fission product barriers.
- RG1 Actual or projected radiological dose at the site boundary has reached a level which requires an offsite protective action recommendation.
- RG2 An unexpected increase in containment radiation levels indicate a loss of two fission product barriers with potential loss or loss of third barrier.

**Hazards and Other Conditions**

- HU1 Security event affecting normal operation of the plant.
- HU2 (Fire or Explosion) in the (Protected Area or Switchyard) which affects normal plant operations.
- HU3 (Toxic or Flammable) gasses are affecting normal plant operations.
- HU4 (Describe destructive event) \_\_\_\_\_ is affecting normal plant operations.
- HU5 Conditions exist, not specifically covered by the Station Emergency Plan, which are impacting normal plant operations and, in the judgment of the Emergency Director, warrants declaration of an Unusual Event.
- HA1 Security event inside the Protected Area may potentially affect safe operation of the plant.
- HA2 (Fire or Explosion) in a plant vital area may potentially affect safe operation of the plant.
- HA3 (Toxic or Flammable) gasses may potentially affect safe operation of the plant.
- HA4 (Describe destructive event) \_\_\_\_\_ may potentially affect safe operation of the plant.
- HA5 Evacuation of Main Control Room. Plant controls established at Auxiliary Shutdown Panel.
- HA6 Conditions exist, not specifically covered by the Station Emergency Plan, which may affect safe operation of the plant, and, in the judgment of the Emergency Director, warrants the declaration of an Alert.
- HS1 Security event in a plant vital area which could affect safe shutdown.
- HS2 Evacuation of Main Control Room and plant controls cannot be established.
- HS3 Events affect the ability to shutdown the plant or maintain it in a safe shutdown condition.
- HG1 Security event resulting in loss of ability to reach and maintain safe shutdown.
- HG2 Conditions exist, not specifically covered by the Station Emergency Plan, which may potentially result in a hazard to the public, and in the judgment of the Emergency Director, warrants the declaration of a General Emergency.