



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

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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 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 and the Severe Weather Plan.

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

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Manager, Plant Protection

FJP/mk

Enclosure: Letter of Receipt  
Summary of Changes Table  
0ERP01-ZV-OF02, Joint Information Center Activation, Operations, and  
Deactivation, Rev. 3  
OPGP03-ZV-0001, Severe Weather Plan, Rev. 6

A045

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**Summary of Changes for  
Joint Information Center Activation, Operations, and Deactivation  
0ERP01-ZV-OF02 Rev 3**

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

The changes made are as follows:

<b>Change No.</b>	<b>Change to Revision 2</b>	<b>Reason</b>
1.	General: Removed all reference to the Houston Media Response Center (HMRC)	Activities once performed at the Houston Media Response Center are now performed locally at the Joint Information Center (JIC) and/or Emergency Operations Facility (EOF).
2.	General: Incorporated various editorial changes and correction of typographical errors.	
3.	Changed JIC layout.	Incorporated enhancements and changes to physical layout of facility.
4.	3.0 Procedure 3.1.5.1. Changed communications pathway from EOF to JIC	3.1.5.1 Corrected based on current way of doing business.
5.	Addendum 1, 2.8 Reworded to allow more leeway	JIC Director may not head activities at the JIC if event receives a Presidential Declaration.
6.	Addendum 1, 4.9 Added additional wording to coordinate facility media tours with JIC Director.	JIC Director should be aware that these are being done.
7.	Addendum 1, 8.7 Added responsibility to track and trend rumors and misinformation.	
8.	Addendum 1, 9. Added that proper identification may be used to allow responders to be badged for entry into facility.	
9.	Addendum 1, 11.3 Added that technical support liaison assists with preparation of news releases.	

- END -

**Summary of Changes for  
Severe Weather Plan  
0PGP03-ZV-0001 Rev 6**

This revision does not reduce the effectiveness nor change the intent of this procedure.

The changes made are as follows:

<b>Change No.</b>	<b>Change to Revision 5</b>	<b>Reason</b>
1	Revised statement requiring entry into Operating Mode 3 (shutdown) of the units if wind speed is expected to exceed 73 mph at the site to 96 mph.	The 73 mph wind speed was deemed to be conservative. This revision is in agreement with changes being made to procedure 0POP4-ZO-0002, Natural or Destructive Phenomena Guidelines.

- END -

O:\PROCEDURES\APPROVED\ERP\01\02VVOF02 03x Effective Date: 10/04/00 Print Time / Date: 10 32 AM 10/12/00	<b>0ERP01-ZV-OF02</b>	<b>Rev. 3</b>	Page 1 of 16
<b>Joint Information Center Activation, Operation, and Deactivation</b>			
Quality	Non Safety-Related	Usage: N/A	Effective Date: 10/04/00
L.S. Barton	N/A	N/A	Emergency Response Division
PREPARER	TECHNICAL	USER	COGNIZANT ORGANIZATION

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**Joint Information Center Activation, Operation, and Deactivation****1.0 Purpose and Scope**

- 1.1 This procedure provides guidance for the activation, operation and deactivation of the Joint Information Center (JIC).

**2.0 Responsibilities**

- 2.1 Responsibilities for JIC personnel are outlined in Addendum 1, " Joint Information Center Personnel Responsibilities."

**3.0 Procedure****3.1 Activation of the Joint Information Center****NOTE**

The activation steps described below are applicable to both JIC and Matagorda County Emergency Operations Center Public Information positions.

- 3.1.1 Upon declaration of an Alert or higher emergency classification, or as directed by the Joint Information Center Director, Public Information (PI) emergency response personnel shall report to the JIC.
- 3.1.2 Upon arrival at the JIC, personnel shall proceed to their respective work station if they are in possession of their agency badge. If not, personnel shall check in with Security for badging.
- 3.1.3 If the respective work station has not been set up, then retrieve the appropriate boxes from storage and begin setting up the work station. Addendum 2 depicts typical Joint Information Center floor plans.
- 3.1.3.1 Ensure work station clocks are synchronized with the Spokesperson Work Area.
- 3.1.4 Each individual should perform equipment checks in his or her respective work area.
- 3.1.5 The Joint Information Center Director should declare the JIC activated when the following has been accomplished:
- 3.1.5.1 Communications have been established with the Site Public Affairs Coordinator at the Emergency Operations Facility; AND appropriate staff and equipment are available to begin operation.

**Joint Information Center Activation, Operation, and Deactivation**

## 3.2 Operation of the JIC

3.2.1 Addendum 1 lists steps to be taken by JIC team members during operation.

## 3.3 Deactivation of the JIC

3.3.1 The JIC shall be deactivated at the discretion of the Joint Information Center Director.

## 4.0 References

4.1 STPEGS Emergency Plan

4.2 NUREG 0654/FEMA-REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants, Rev. 1

## 5.0 Support Documentation

5.1 Addendum 1 - Joint Information Center Personnel Responsibilities (Typical)

5.2 Addendum 2 - Joint Information Center Floor Plan (Typical)

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<b>Joint Information Center Activation, Operation, and Deactivation</b>			
Addendum 1	Joint Information Center Personnel Responsibilities (Typical)		Page 1 of 6

- 1.0 COMPANY SPOKESPERSON - Serve as the primary spokesperson for STP
- 1.1 Respond to the JIC when staffing is initiated by an abnormal/emergency situation at STP, or prior to responding to the JIC, report briefly to the Emergency Operations Facility and obtain a plant status briefing from the EOF Director and/or the Site Public Affairs Coordinator.
  - 1.2 Approve press releases.
  - 1.3 Maintain contact with the STPEGS Site Public Affairs Coordinator.
  - 1.4 Meet with offsite agency PIOs prior to news briefings.
  - 1.5 Designate personnel to make public comment on the emergency.
- 2.0 JOINT INFORMATION CENTER DIRECTOR - Overall management responsibility for activation and operation of the JIC.
- 2.1 Respond to the JIC when staffing is initiated by an abnormal/emergency situation at STP.
  - 2.2 Manage startup and activation of the JIC:
    - a. Obtain information pertinent to the emergency situation at STP from the EOF, TSC, or the Control Room.
    - b. Be aware of JIC staffing levels. (JIC Administrative Manager)
    - c. Be aware of facility and equipment setup. (JIC Administrative Manager)
    - d. Be aware of facility security arrangements. (JIC Administrative Manager)
    - e. Activate JIC when sufficient staff and equipment are available to fulfill functions.
    - f. Ensure JIC is setup to accommodate the media response and the responding Public Information Officers (PIOs).
  - 2.3 Provide accurate and timely information to the STP publics of onsite status and conditions:
    - a. Obtain accurate and timely plant/site information.
    - b. Keep the EOF Director apprised of information provided to the public.
    - c. Facilitate/coordinate dissemination of plant information to the PIOs co-located at the JIC.
    - d. Conduct adequate news briefings.
    - e. Provide news releases and bulletins.

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- 2.4 Provide accurate rumor control and public inquiry information. (Media Monitor/Rumor Control Manager)
- 2.5 Direct the Site Public Affairs Specialist to coordinate press releases, with Senior Staff Writer.
- 2.6 Provide Company Spokesperson with timely and accurate information.
- 2.7 Maintain security of facility. (JIC Administrative Manager)
- 2.8 If a Presidential Declaration is involved, work with the Lead Federal Agency (LFA) to integrate JIC activities, possibly through a Public Affairs Coordinating Committee.
- 2.9 Coordinate media tours of emergency facilities by media and ensure tours are approved by facility directors/managers. (Media Relations Manager)
- 2.10 Ensure status of emergency is current and prominently displayed on facility status boards.
- 2.11 Schedule frequent news conferences (e.g., hourly) in order to apprise media of current information.
- 2.12 Provide accurate and timely information to the news media.
- 2.13 Discuss plant status with offsite agency PIOs located at the JIC as well as the Division of Emergency Management PIO in Austin when possible.
- 2.14 Schedule interviews with the media as needed. (Media Relations Manager)
- 2.15 Correct misinformation/rumors during press briefings, as necessary.
- 2.16 Ensure updated news release transmittal. (JIC Administrative Manager)
- 2.17 Hold strategy sessions with agency PIOs prior to press briefings.
- 3.0 JIC ADMINISTRATIVE MANAGER - Responsible for facility/equipment setup, startup, and continued operation, and facility staffing and security.
  - 3.1 Before proceeding to the JIC, contact Matagorda Hotel to initiate setup and food service.
  - 3.2 Before proceeding to the JIC, contact DPS Pierce to provide security.
  - 3.3 Respond to the JIC when staffing is initiated by an abnormal/emergency situation at STP.
  - 3.4 Direct/oversee setup and startup of facility equipment and report to JIC Director when facility equipment is ready to support activation.

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- 3.5 Monitor staffing of facility for activation and direct staff to obtain personnel for unfilled positions. Report to JIC Director when facility staffing is sufficient for activation.
- 3.6 Coordinate security activities at the JIC and provide status to JIC Director.
- 3.7 Coordinate staff activities.
- 3.8 Provide PIOs with support as requested and required (such as fax, copy, and typing assistance).
- 3.9 Ensure press releases are transmitted.
- 4.0 **MEDIA RELATIONS MANAGER - Manage the timely, accurate flow of information to the media covering the STP emergency event.**
  - 4.1 Respond to the JIC when staffing is initiated by an abnormal/emergency situation at STP.
  - 4.2 Report to JIC Director when ready to support facility activation.
  - 4.3 Coordinate, schedule and announce the press briefings and conferences.
  - 4.4 Respond to media inquiries for information.
  - 4.5 Coordinate with JIC Administrative Manager to provide for media's physical needs.
  - 4.6 Arrange special interviews when requested.
  - 4.7 Respond to media telephone inquiries when requested
  - 4.8 Respond to media needs at the JIC.
  - 4.9 Obtain approval for and coordinate tours to other emergency response facilities as requested. Coordinate these with the JIC Director.
  - 4.10 Coordinate correction of media misinformation with the Media Monitoring/Rumor Control Manager.
  - 4.11 Coordinate activities of the media relations and the audio visual staff.
  - 4.12 Facilitate media interviews with the Technical Spokesperson as appropriate.

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5.0 SENIOR STAFF WRITER

- 5.1 Prepare press releases and additions to press releases that give background information.
- 5.2 Obtain approval of press releases from Company Spokesperson.

6.0 MEDIA MONITORING/RUMOR CONTROL MANAGER - Monitor media outlets and public inquiries and report and rectify erroneous information.

- 6.1 Respond to the JIC when staffing is initiated by an abnormal/emergency situation at STP.
- 6.2 Report to JIC Manager when ready to support facility activation.
- 6.3 Coordinate activities of media monitors and rumor control telephone responders.
- 6.4 Ensure monitoring of news outlets.
- 6.5 Coordinate correction of rumors/media misinformation with the Media Relations Manager.
- 6.6 Provide media monitors and rumor control personnel with press releases and corrected rumor information.

7.0 MEDIA MONITORING

- 7.1 Monitor television, radio stations and the internet.
- 7.2 Record television/radio/internet misinformation, and report to the Media Monitoring/Rumor Control Manager.
- 7.3 Log rumor/misinformation.

8.0 RUMOR CONTROL

- 8.1 Respond to public inquiries by referring to press releases and other information provided from official sources.
- 8.2 Log rumors/misinformation.
- 8.3 Report rumors/misinformation to the Media Monitoring/Rumor Control Manager.
- 8.4 Monitor news conferences if possible.

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8.5 Report media inquires to the Media Monitoring/Rumor Control Manager.

8.6 Log media inquires.

8.7 Track and trend rumors and misinformation.

## 9.0 SECURITY STAFF

9.1 Report to the JIC Administrative Manager and obtain a briefing.

9.2 Badge utility and participating offsite agency personnel who are not in possession of official agency badges. Proper identification can be used to issue facility badges with the approval of the JIC Administrative Manager.

9.3 Direct media representatives to Media Relations for badging.

9.4 Control access to the JIC.

## 10.0 SUPPORT STAFF

10.1 Assist the JIC Administrative Manager as requested.

10.2 Provide clerical support to JIC Staff as requested.

## 11.0 TECHNICAL SUPPORT LIAISON

11.1 Respond to the JIC when staffing is initiated by an abnormal/emergency situation at STP, and report to Company Spokesperson when ready to support facility activation.

11.2 Assist the Company Spokesperson, Media Relations Manager, and Senior Staff Writer in interpreting technical information.

11.3 Provide technical information to and assist the Senior Staff Writer in checking news releases for technical accuracy. Assist in the preparation of news releases.

11.4 Participate in technical news briefings as requested.

11.5 Assist the Media Monitoring/Rumor Control Manager in interpreting technical information.

11.6 Identify appropriate visual aids to support technical explanations.

11.7 Support the Media Relations Manager as needed.

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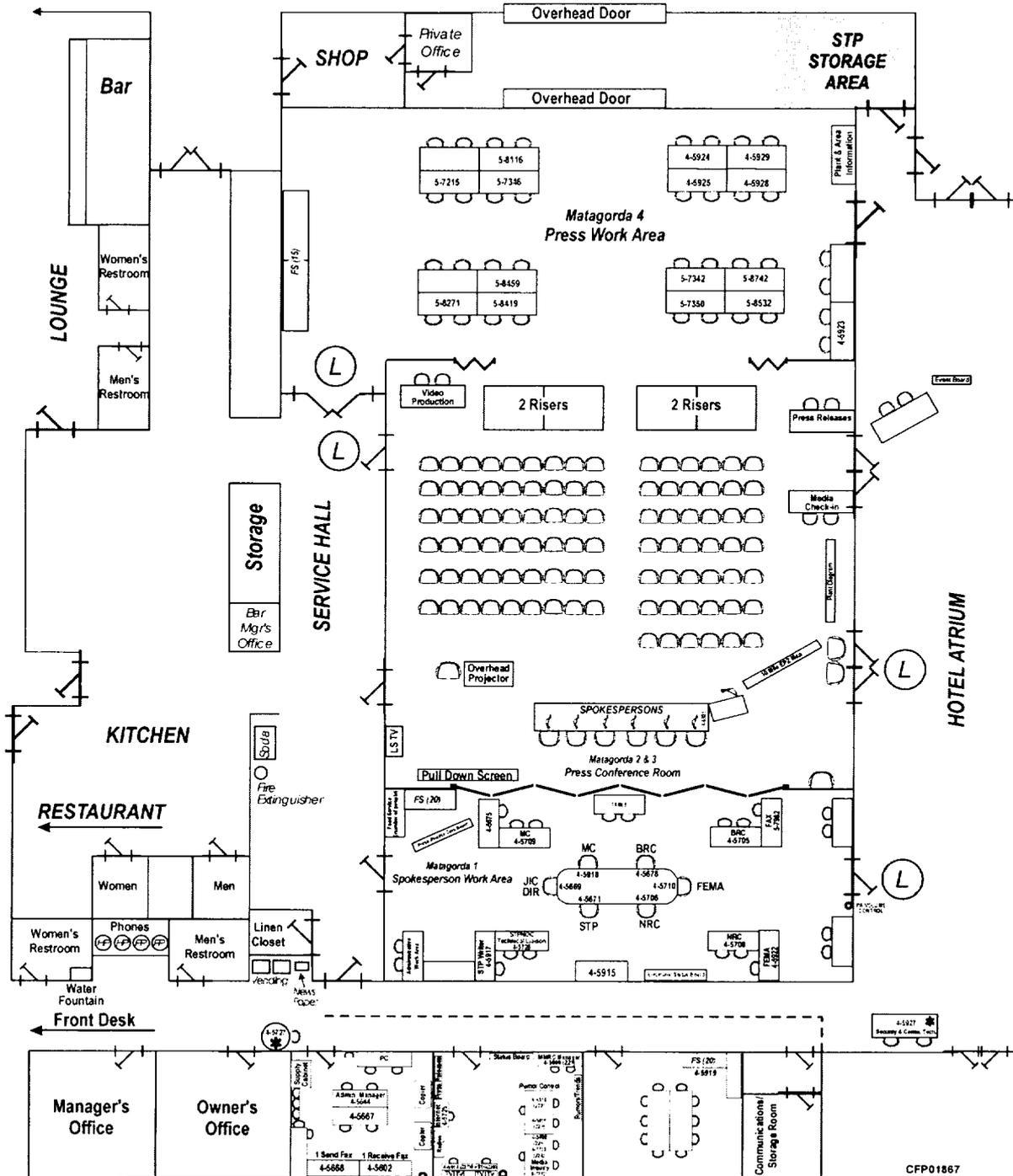
12.0 MEDIA RELATIONS STAFF

- 12.1 Provide assistance to the Media Relations Manager as requested.
- 12.2 Sign-in and badge media representatives if press badge is not available.
- 12.3 Assist media personnel as requested.

13.0 AUDIO VISUAL STAFF

- 13.1 Video tape news briefings.
- 13.2 Tape interviews as requested by the Media Relations Manager.

Joint Information Center Activation, Operation, and Deactivation



- FS #: Food Service (number of people)
- P.A. Volume Control
- ☎ Pay Phones
- ☎ House Phones
- ⊕ Locked Doors
- ⚡ Security
- 🎤 Microphone
- - - Partitions

Admin. Support  
Austin Room

Media Monitoring/  
Rumor Control  
Dallas Room

Break Room  
Houston Room

Roll from 4-5318 Station 226  
 4-5416 Available, if  
 4-5408 needed  
 4-7713

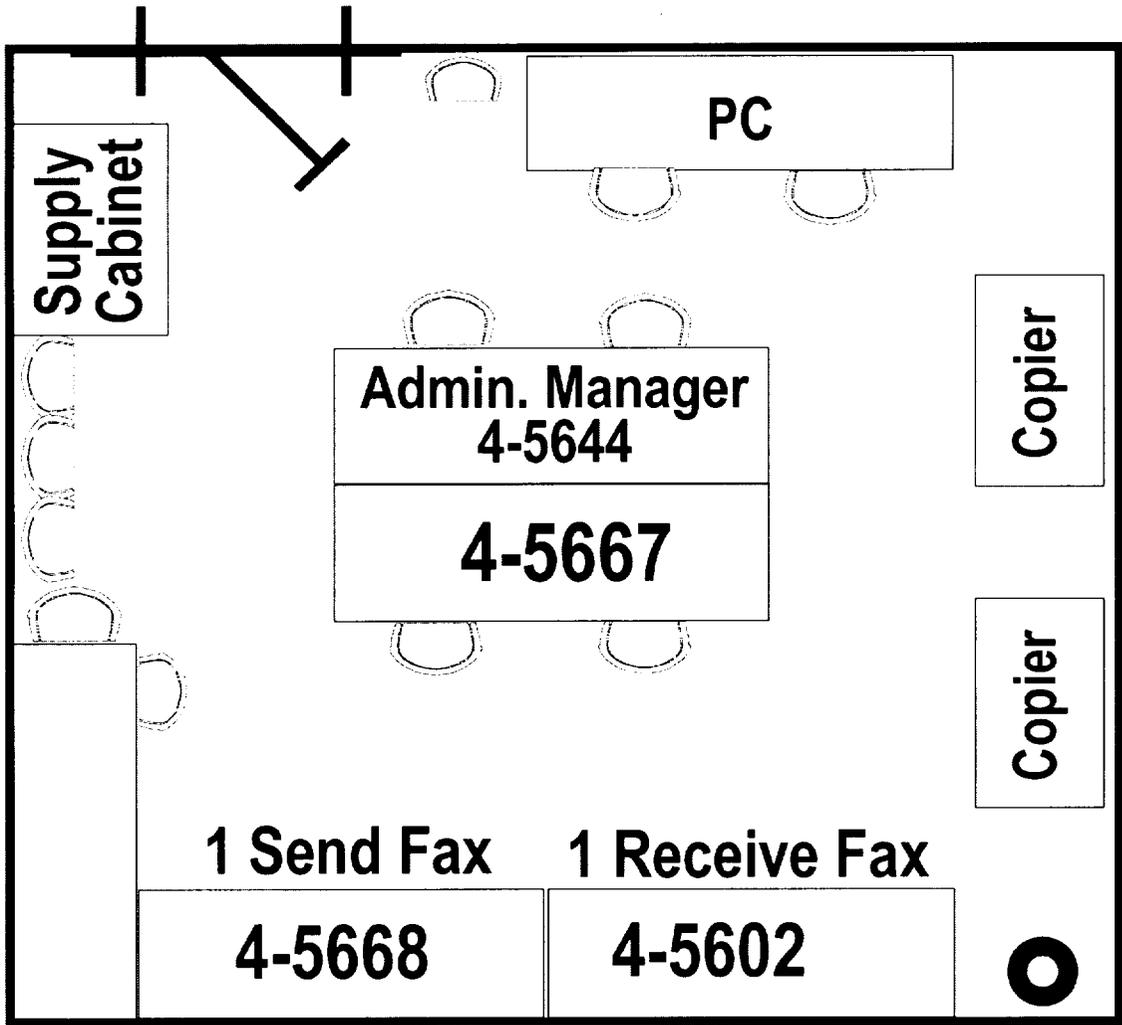
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 Rev Date 09/05/00  
 Attachment E

NOTE: Rooms 135/ 136 will be used for meals and rest

# Administrative Support

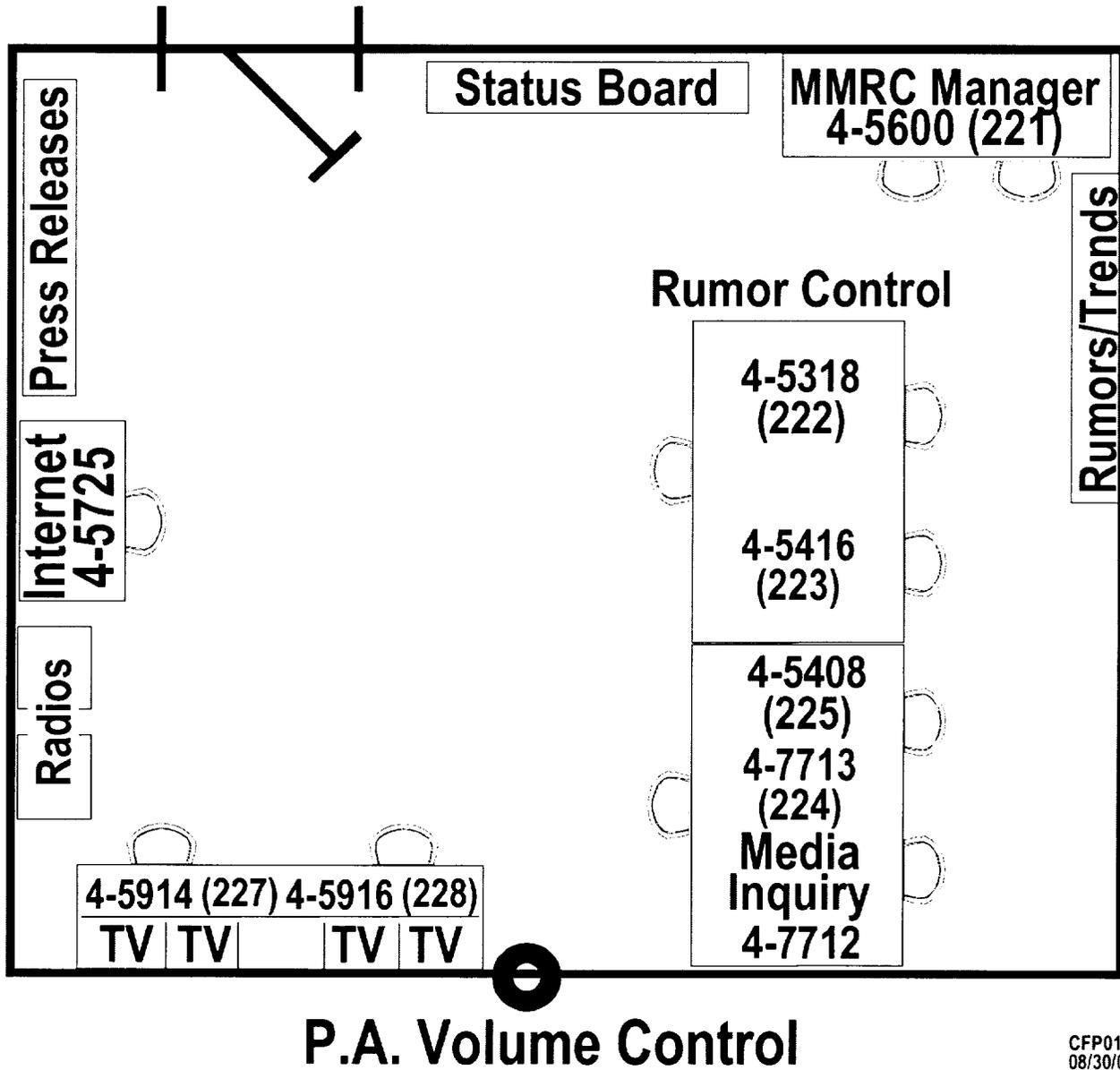
## Austin Room

**4-5727**  
**\***



**P.A. Volume Control**

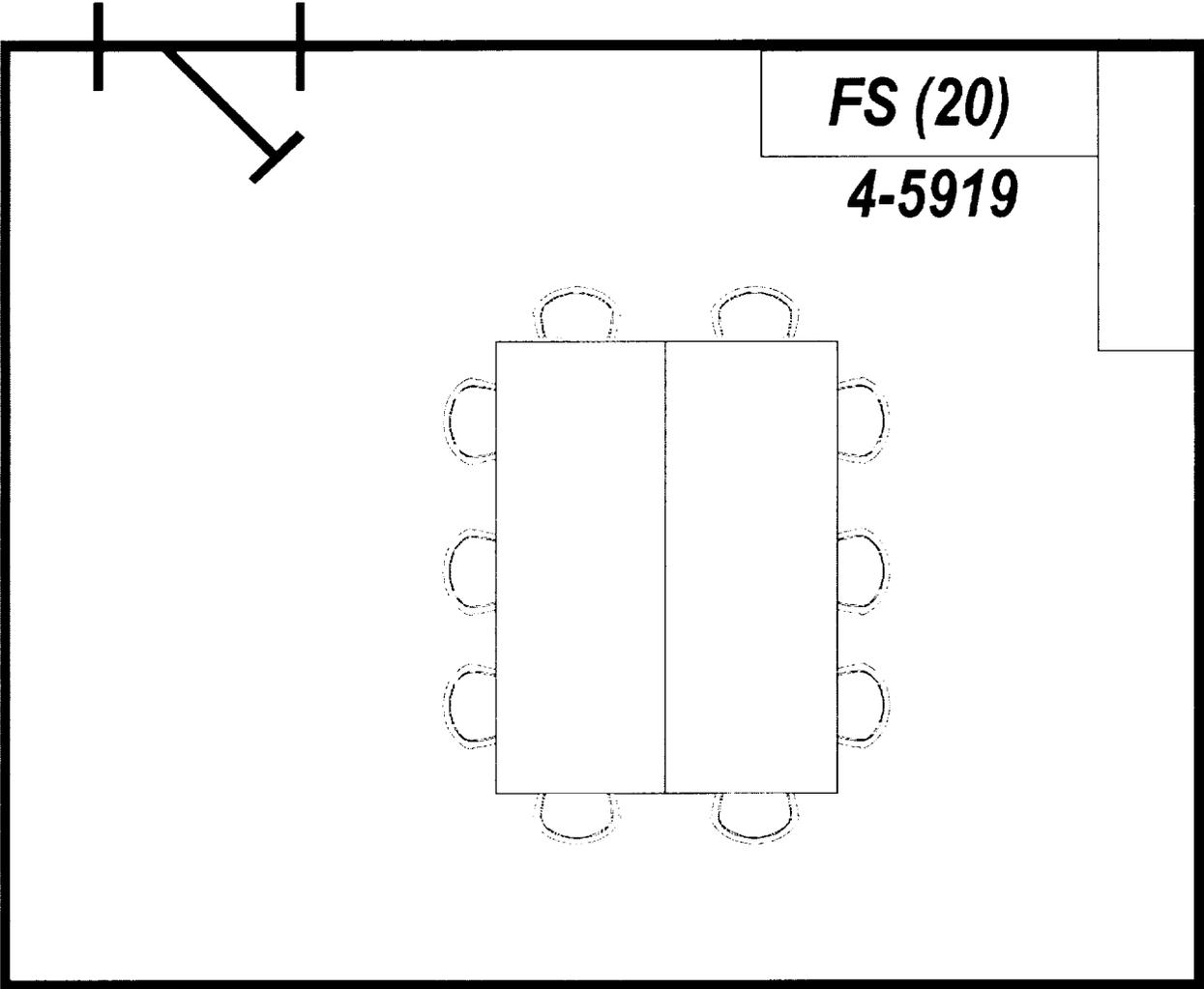
# *Media Monitoring/Rumor Control Dallas Room*



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# ***Break Room***

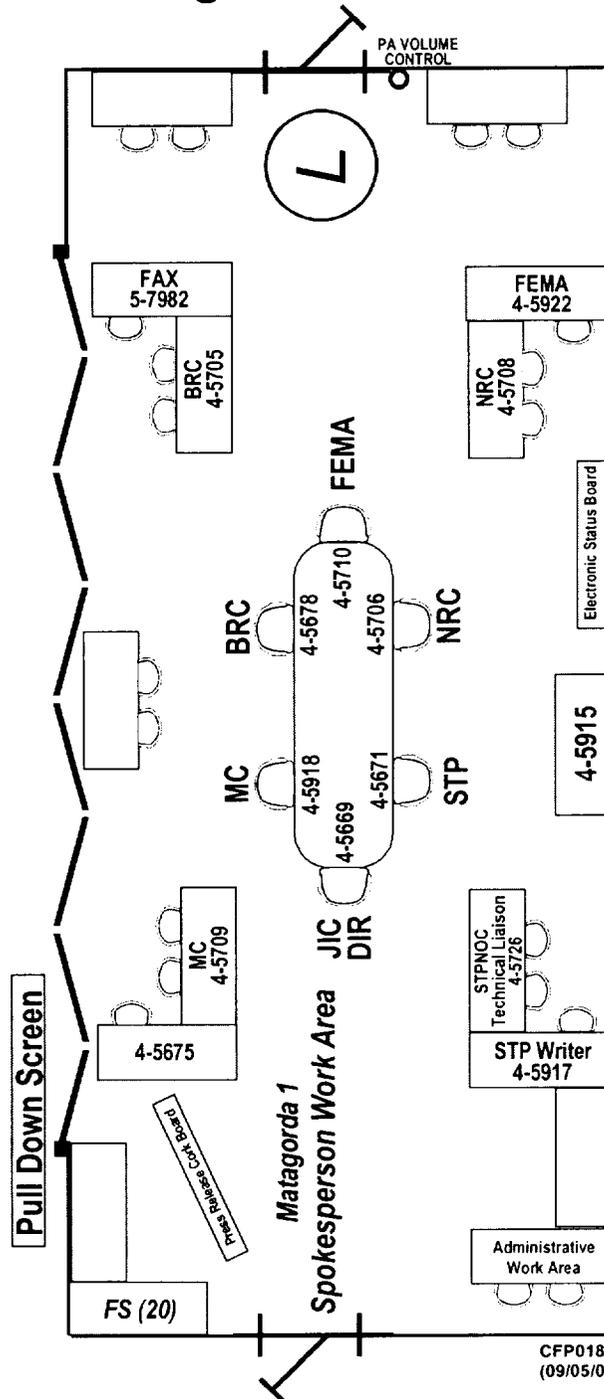
## ***Houston Room***



Joint Information Center Activation, Operation, and Deactivation

# Spokesperson

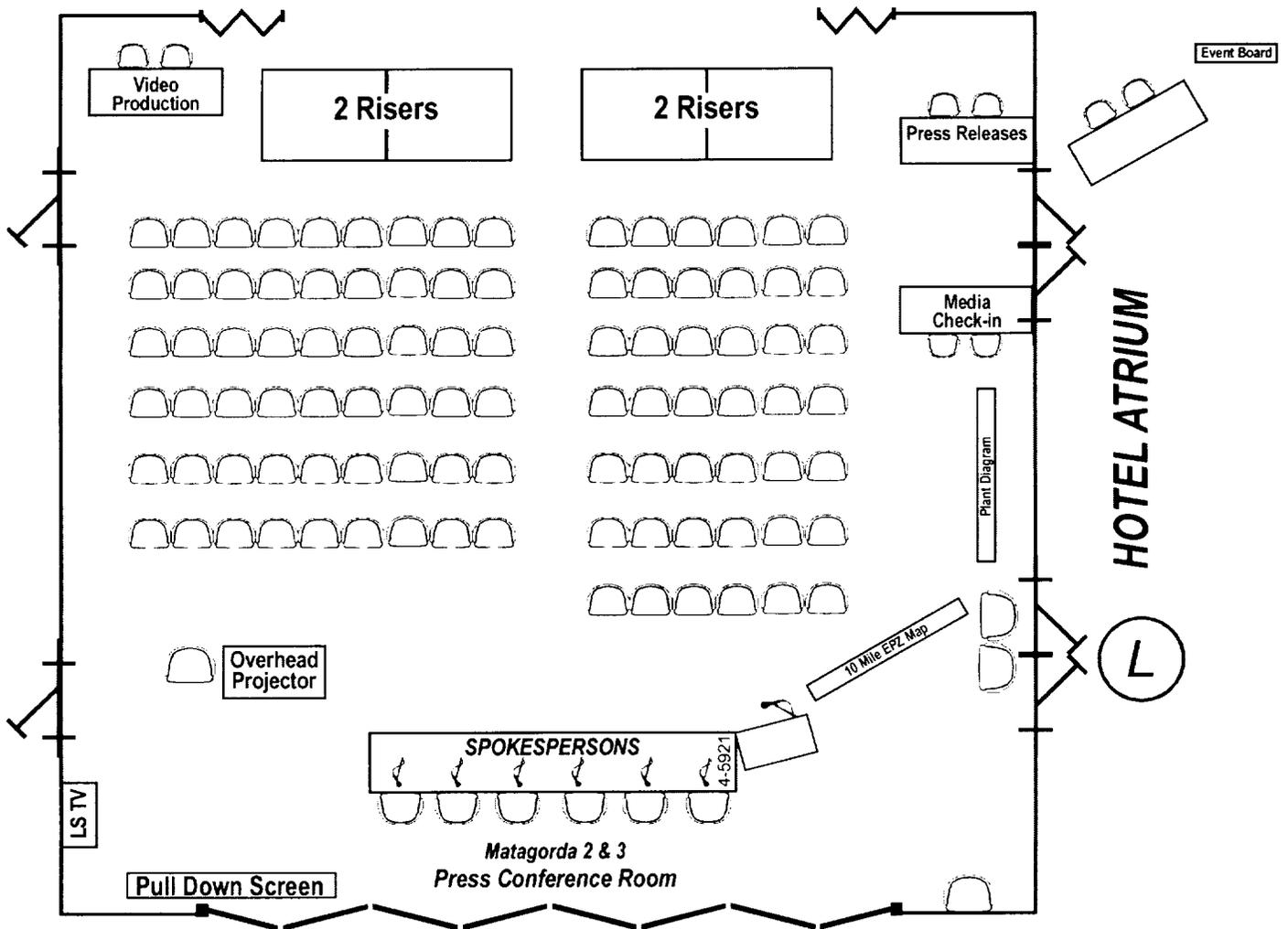
## Matagorda Room 1



CFP01867M1  
(09/05/00)

# Press Conference Area

## Matagorda Room 2/3

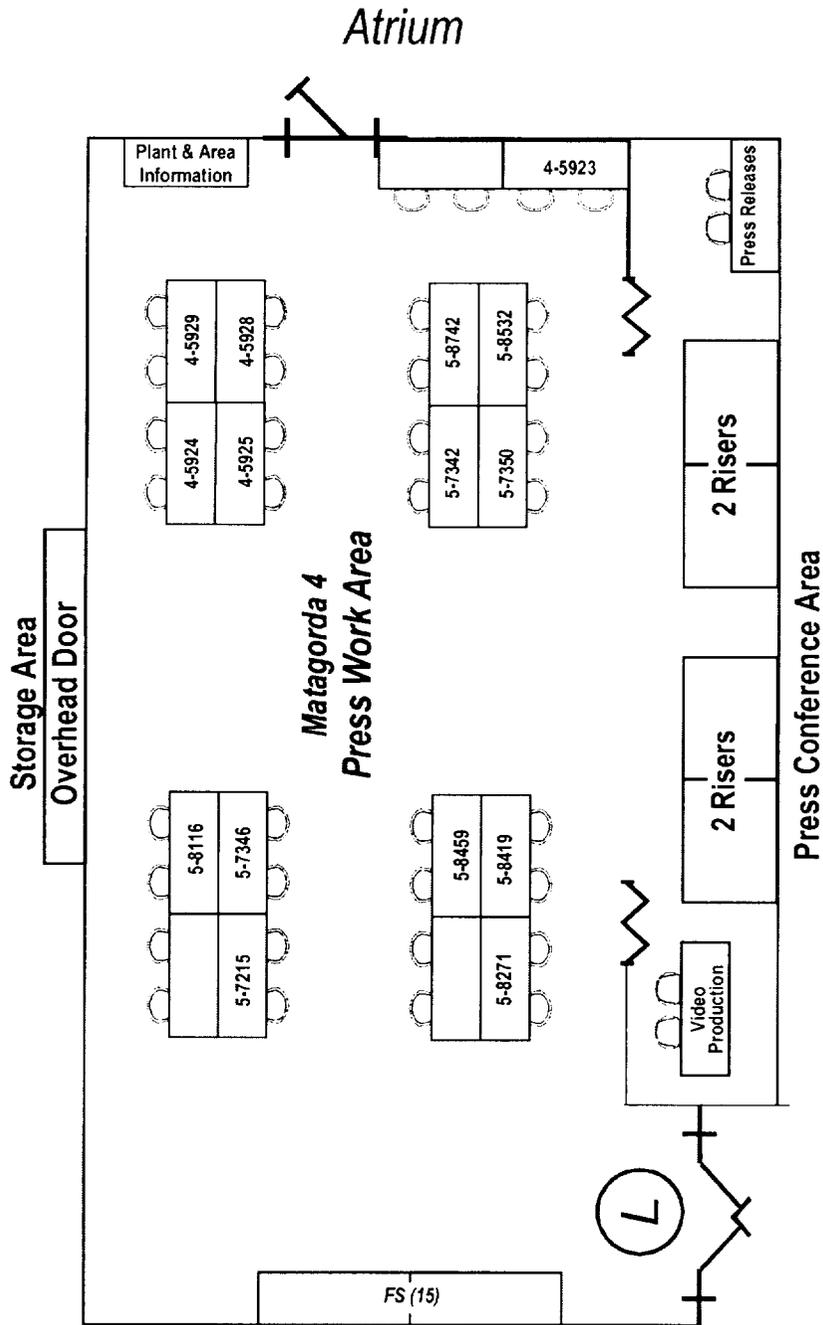


Location of Security Desk is closer to door.  
See Complete Layout for exact location.

- Microphone
- Security

# Media Work Area

## Matagorda Room 4



O:\WP\WORKING\PGP\03\ZV\0001 06x Effective Date 10/11/00 Print Time / Date 10 31 AM 10/12/00		<h1 style="margin: 0;">OPGP03-ZV-0001</h1>		<h2 style="margin: 0;">Rev. 6</h2>	Page 1 of 69
<h3 style="margin: 0;">Severe Weather Plan</h3>					
Quality	Non Safety-Related	Usage: <b>Referenced</b>		Effective Date: 10/11/00	
Max Keys	N/A	N/A	Emergency Response Division		
PREPARER	TECHNICAL	USER	COGNIZANT ORGANIZATION		

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**Severe Weather Plan****1.0 Purpose and Scope**

- 1.1 The purpose of this procedure is to provide guidance for coping with severe weather at the South Texas Project Electric Generating Station (STPEGS).
- 1.2 This procedure shall serve as the general guidance document for STPEGS severe weather and response. Compliance with guidance contained within this procedure is intended to remain flexible in order to meet the Station's operating license requirements as well as the ability to react to frequent change in the weather conditions.
- 1.3 This procedure provides for a single point of severe weather meteorological monitoring at the STPEGS.
- 1.4 This procedure describes the command and control for activities during severe weather conditions when not in the STPEGS Emergency Plan.
- 1.5 This procedure describes the methodology for pickup, storage and retrieval of Quality Assurance Records and In-Process Required Quality Documents and Records.
- 1.6 Severe weather conditions as defined are for predictions/conditions that will impact the South Texas Project (STP) site.

**2.0 Definitions****2.1 SEVERE WEATHER CLASSIFICATIONS****2.1.1 SEVERE WEATHER CONDITION THREE:**

- 2.1.1.1 Tropical Storm - Issued when a tropical storm watch is posted for the Texas coast between Galveston Island and Corpus Christi **AND** is predicted to impact the South Texas Project with sustained winds between 39 to 73 miles per hour.
- 2.1.1.2 Hurricane - Issued when a hurricane is located in the Gulf of Mexico **AND** is predicted to impact the South Texas Project.
- 2.1.1.3 Freezing Weather - Issued when the outside air temperature is projected to be less than or equal to 40°F for greater than 24 hours, or less than 32°F at the South Texas Project.
- 2.1.1.4 Tornado Watch - Issued upon notification of a tornado watch for Matagorda County and predicted to impact the South Texas Project.

**Severe Weather Plan**

- 2.1.1.5 Flash Flood - Issued upon notification of a flash flood warning for Matagorda County and is predicted to impact the South Texas Project.
- 2.1.1.6 Severe Thunderstorm Warning - Issued upon notification of severe thunderstorms with damaging winds and hail that will impact the South Texas Project.
- 2.1.2 SEVERE WEATHER CONDITION TWO:
- 2.1.2.1 Tropical Storm - Issued when a tropical storm warning is posted for the Texas coast between Galveston Island and Corpus Christi **AND** is predicted to impact the South Texas Project.
- 2.1.2.2 Hurricane - Issued when a hurricane watch is posted for the Texas coast between Galveston Island and Corpus Christi **AND** is predicted to impact the South Texas Project.
- 2.1.2.3 Freezing Weather - Issued when the outside air temperature is projected to be greater than 20°F but the maximum temperature is expected to remain less than or equal to 35°F OR the Energy Control Center (ECC) initiates a Cold Weather Alert (Energy Reliance Counsel of Texas (ERCOT) Operational Guideline 12) or Emergency Preparation Step C (for cold weather). Actions are based on weather information specific to the South Texas Project.
- 2.1.2.4 Tornado Warning - Issued upon notification of a tornado warning for Matagorda County and is predicted to impact the South Texas Project.
- 2.1.3 SEVERE WEATHER CONDITION ONE:
- 2.1.3.1 Hurricane Warning - Issued when a hurricane is predicted to impact the STPEGS within 24 hours (hurricane warning between Galveston Island and Corpus Christi). Actions/classification based on projected sustained winds to be in excess of 73 miles per hour at the South Texas Project.
- 2.1.3.2 Freezing Weather - Issued when the outside air temperature is projected to be less than or equal to 20°F or remain less than 35°F for an extended period of time OR the Energy Control Center (ECC) initiates a Severe Cold Weather Alert (ERCOT Operational Guideline 12) or Emergency Preparation Step D (for cold weather). Action(s) based on specific predictions for the South Texas Project.

**Severe Weather Plan**

- 2.2 COLD WEATHER SEASON - October 31 through March 31
- 2.3 DEPARTMENT SEVERE WEATHER COORDINATOR - Individual(s) assigned by Department Manager to review, revise as required, and implement the station and specific department severe weather plan.
- 2.4 DEPARTMENT SEVERE WEATHER PLAN - Specific guidance for an individual department for coping with severe weather at STPEGS.
- 2.5 DEPARTMENT SEVERE WEATHER RECORDS CUSTODIAN - Individual(s) assigned by Department Manager to implement portions of this severe weather plan as related to collection and storage of quality or in-progress required quality documents and records.
- 2.6 FREEZE PROTECTION STORAGE CONTAINER: Pre-staged equipment maintained in a separate area or container to ensure a quick response to requests for temporary heating and thawing during cold weather alerts. This container is stored in Warehouse 32 as restricted STP Part Number 501-34046.
- 2.7 HURRICANE CATEGORIES –
- CATEGORY 1: Winds 74-95 miles per hour or storm surge 4-5 feet above normal.
- CATEGORY 2: Winds 96-110 miles per hour or storm surge 6-8 feet above normal.
- CATEGORY 3: Winds 111-130 miles per hour or storm surge 9-12 feet above normal.
- CATEGORY 4: Winds 131-155 miles per hour or storm surge 13-18 feet above normal.
- CATEGORY 5: Winds greater than 155 miles per hour or storm surge greater than 18 feet above normal.
- 2.8 HURRICANE SEASON - June 1 through November 30.
- 2.9 HURRICANE WARNING: A warning for specific areas that a hurricane is expected within 24 hours or less. Actions are initiated based on projected winds to be in excess of 73 miles per hour at the South Texas Project.
- 2.10 HURRICANE WATCH: An announcement for specific areas that a hurricane or an incipient hurricane condition poses a possible threat with sustained winds in excess of 73 miles per hour. Actions are initiated based on predictions that the hurricane will impact the South Texas Project.
- 2.11 IMPACT WEATHER – The South Texas Project’s consulting weather service.
- 2.12 IN-PROCESS REQUIRED QUALITY DOCUMENTS AND RECORDS - Quality documents and records which have been initiated but not completed.

**Severe Weather Plan**

- 2.13 NOAA - National Oceanic and Atmospheric Administration
- 2.14 NUCLEAR ENGINEERING DEPARTMENT MANAGERS - For the purpose of this procedure the Department Manager for Nuclear Fuels & Analysis, Design Engineering and System Engineering shall be referred to as the Nuclear Engineering Department Managers. Any of these department managers may sign the form signifying Nuclear Engineering has accomplished their actions.
- 2.15 NWS: National Weather Service.
- 2.16 QUALITY ASSURANCE (QA) RECORDS: Those records which furnish documentary evidence of the quality of items and of activities affecting quality. A document is considered a quality assurance record when the document has been completed. (Records media may consist of hard copy, microforms and records system back-up tapes and disks.) Records may be originals or legible/reproducible copies.
- 2.17 SEVERE WEATHER: Meteorological conditions associated with severe weather that will impact the South Texas Project such as hurricanes, tornadoes, flooding, sub-freezing temperatures, or freezing rain and/or ice which may threaten continued safe plant operations or personnel safety.
- 2.18 SEVERE WEATHER COORDINATOR (SWC): The Manager, Emergency Response, Public Affairs & Communications, or designee.
- 2.19 SEVERE WEATHER MANAGEMENT TEAM - The key managers and individuals assigned responsibilities when a Severe Weather Condition is declared. The key managers are the Severe Weather Coordinator, Department Severe Weather Coordinators, Shift Supervisor, Duty EOF Director, Duty TSC Manager and other individuals as assigned.
- 2.20 SEVERE WEATHER RECORDS CUSTODIAN - Individual(s) assigned by Department Manager responsible to safeguard QA records and in-process required quality documents and records.
- 2.21 SEVERE WEATHER SAFE STRUCTURE: Any building or structure that has been designed to withstand the effects of severe weather and adequately protect its occupants, and which may be used to shelter storm crews and other response organization personnel. The following structures are considered severe weather safe structures:

Reactor Containment Buildings

Mechanical-Electrical Auxiliary Buildings (preferred)

Fuel Handling Buildings

Diesel Generator Buildings

Essential Cooling Water Pump Structure

Other Buildings - The lowest level floor and near the inner (center) most walls

Owner Controlled Area

The lowest level floor and near the inner (center) most walls.

**Severe Weather Plan**

- 2.22 SEVERE WEATHER SITE PREPARATION TEAM – Individuals assigned by Department Managers to prepare the site for severe weather. These individuals are at the site while storm crews are preparing their families and home.
- 2.23 SPECIAL SERVICES RENDERED (SSR) ACCOUNT: Used to track expenditures associated with a non-planned occurrence.
- 2.24 STORM CREW: Select individuals from the Severe Weather Management Team and the Emergency Response Organization necessary to support implementation of the Severe Weather Condition declared. The individuals from the Emergency Response Organization are typically composed of the on-duty ERO team and the oncoming team. However, the final composition will be determined by the Duty EOF Director and/or the Duty TSC Manager. The other department positions will be determined by the Department Severe Weather Coordinators based on weather condition declared, present plant/site configuration (Refuel, forced outage, normal operation etc.) See Form 3, Severe Weather Management Team/Storm Crew Roster.
- 2.25 TORNADO (SEVERE THUNDERSTORM) WARNING: Tornadoes and/or severe thunderstorms are occurring that will impact the South Texas Project.
- 2.26 TORNADO (SEVERE THUNDERSTORM) WATCH: Tornadoes and/or severe thunderstorms are possible that will impact the South Texas Project.
- 2.27 TROPICAL STORM WARNING: Tropical storm conditions, including possible sustained winds between 39 to 73 mph, are expected in a specific coastal area in 24 hours or less. Actions are initiated based on predictions that 39 to 73 mile-per-hour winds will impact the South Texas Project.
- 2.28 TROPICAL STORM WATCH: An announcement for specific areas that a tropical storm or an incipient tropical storm condition poses a possible threat, generally within 36 hours. Actions are initiated based on predictions that the tropical storm will impact the South Texas Project.

### 3.0 Responsibilities

- 3.1 Duty Emergency Operations Facility (EOF) Director shall: (See Data Packages 2, Duty EOF Director Severe Weather Plan Checklist and 4, Site Recovery Plan of Action for details.)
- 3.1.1 With assistance from the Severe Weather Coordinator, brief Senior Management and Co-Owners of severe weather conditions at STP.
- 3.1.2 With assistance from the Severe Weather Coordinator, inform the Nuclear Regulatory Commission of all severe weather preparatory actions for Hurricane/Tropical Storm Severe Weather Condition 3 or higher.

**Severe Weather Plan**

- 3.1.3 With assistance from the Severe Weather Coordinator, provide onsite Senior Management oversight and guidance for declared severe weather conditions.
- 3.1.4 Implement recovery actions post hurricane passage (Data Package 4, Site Recovery Plan of Action).
- 3.2 The Duty Technical Support Center (TSC) Manager shall: (See Data Package 1, Duty TSC Manager Severe Weather Plan Checklist)
  - 3.2.1 Have overall responsibility for coordinating the Station's response to severe weather in accordance with this procedure.
  - 3.2.2 With assistance from the Severe Weather Coordinator, provide support to the Shift Supervisor as requested, including input for changes to the severe weather classifications.
  - 3.2.3 Support Operations implementation of Severe Weather procedure OPOP04-ZO-0002, Natural or Destructive Phenomena Guidelines.
  - 3.2.4 Provide necessary guidance to the Severe Weather Site Preparation Team.
  - 3.2.5 Determine extent of Storm Crew activation required for conditions and confer with Duty EOF Director.
  - 3.2.6 With assistance from the Severe Weather Coordinator, initiate activation of Storm Crew or portions as required to support actions required by the severe weather classification.
  - 3.2.7 Based on actual or predicted severe weather conditions at the South Texas Project, determine when Storm Crew members should be dismissed and recalled for support of station severe weather preparations and confer with EOF Director.
  - 3.2.8 Based on actual predicted severe weather conditions at the South Texas Project determine when to dismiss the Severe Weather Site Preparation Team.
  - 3.2.9 With assistance from the Severe Weather Coordinator, evaluate Emergency Plan Action Levels (EALs) and determine potential for entry into Emergency Plan, confer with Shift Supervisor.
  - 3.2.10 Evaluate the weather forecast based on impact to the South Texas Project, implement storage of records and or suspend storage of records if weather conditions change, as delineated by this procedure for QA and essential in-process required quality documents and records.

**Severe Weather Plan**

- 3.2.11 Evaluate and recommend to Senior Management early dismissal of non-essential personnel. Early dismissal of non-essential personnel should be considered 24 hours prior to landfall for a hurricane (sustained winds in excess of 73 miles per hour) at the South Texas Project. This may also include the Severe Weather Site Preparation Team.
- 3.2.12 Coordinate severe weather and response activities at the STPEGS with the Co-Owners. May delegate this activity to the Public Affairs group.
- 3.3 The Severe Weather Coordinator, or designee, shall: (See Data Packages 1, Duty TSC Manager Severe Weather Plan Checklist 2, Duty EOF Director Severe Weather Plan Checklist and 3, All Departments Severe Weather Plan Checklist.)
  - 3.3.1 Notify the Duty EOF Director, Duty TSC Manager, and Severe Weather Department Managers of the name of the individual who will serve as his designee, if applicable.
  - 3.3.2 Monitor weather forecasts and conditions to anticipate entry into severe weather conditions that will impact the South Texas Project and notify the Severe Weather Management Team when entry into Severe Weather Condition 3, 2, or 1 is required.
  - 3.3.3 Monitor weather forecasts and conditions and evaluate potential impacts to station and vital equipment.
  - 3.3.4 During Severe Weather Conditions 3, 2, or 1, report on severe weather conditions and prognosis to the Department Severe Weather Coordinators and the Severe Weather Management Team.
  - 3.3.5 Assist Shift Supervisor with obtaining up-to-date weather information and distribute the data as necessary.
  - 3.3.6 Evaluate Emergency Plan Action Levels (EALs) and determine potential for entry into Emergency Plan, confer with Shift Supervisor, Duty EOF Director, and Duty TSC Manager as needed.
  - 3.3.7 Assist with severe weather preparations for the entire station.
  - 3.3.8 Review Station for severe weather preparations and report status to the Severe Weather Management Team.
  - 3.3.9 Compile non-rotating shift Storm Crew Roster information from department managers or Department Severe Weather Coordinators.
  - 3.3.10 Ensure inventories of supplies, training and other preparations required for support of the Severe Weather Plan are completed as designated by Form 6, Severe Weather Preparations Checklist.

**Severe Weather Plan**

- 3.3.11 Coordinate severe weather updates and response activities with the Texas Department of Public Safety, NRC, Matagorda County Emergency Management personnel, and FEMA, as necessary.
- 3.4 Shift Supervisor (Unit 1 Control Room) shall:
  - 3.4.1 Declare or cancel Severe Weather Conditions.
  - 3.4.2 Request assistance from the Severe Weather Coordinator and the Severe Weather Site Preparation Team at Severe Weather Condition 3, 2, or 1 as necessary.
  - 3.4.3 Implement OPOP01-ZO-0004, Extreme Cold Weather Guidelines, as required.
  - 3.4.4 Implement OPOP04-ZO-0002, Natural or Destructive Phenomena Guidelines, as required.
- 3.5 Department Managers shall:
  - 3.5.1 Ensure items listed on Form 6, Severe Weather Preparations Checklist, are complete within the times specified and report as completed to the Severe Weather Coordinator by returning the form signed complete.
  - 3.5.2 Oversee the implementation of Data Package 3, All Departments Severe Weather Plan Checklist, for areas under their control when a severe weather condition is declared.
  - 3.5.3 Assist the Severe Weather Coordinator, as requested, in distributing data to site personnel and coordinating the implementation of this procedure.
  - 3.5.4 Ensure the Department Severe Weather Plan is maintained current by performing an annual review and revising as necessary (Report completion on Form 1, Severe Weather Plan Annual Review.)
  - 3.5.5 Review basic severe weather training package provided by the Severe Weather Coordinator, add the department's specific items and have presented by the Department Severe Weather Coordinator or distributed to department personnel.
  - 3.5.6 In the event of a Severe Weather Condition 2 for a Tornado Warning that directly impacts the South Texas Project, ensure department personnel are directed to a safe location as indicated below.

**Severe Weather Plan****CAUTION**

Personnel should **NOT** be directed to go outside.

Reactor Containment Buildings  
Mechanical-Electrical Auxiliary Buildings (preferred)  
Fuel Handling Buildings  
Diesel Generator Buildings  
Essential Cooling Water Pump Structure  
Other Buildings - The lowest level floor and near the inner (center) most walls

Owner Controlled Area

The lowest level floor and near the inner (center) most walls.

- 3.5.7 Ensure that personnel in department are made aware of, via meetings, memos, or bulletins, the following cold weather conditions/hazards prior to the cold weather season: (SOER 82-015)
- 3.5.7.1 To remain aware of conditions that may promote localized freezing (e.g., open louvers or doors) during the course of their daily work.
- 3.5.7.2 To immediately notify their immediate supervisor of any condition or conditions that could promote localized freezing.
- 3.5.8 Dismiss personnel early as directed by the Duty TSC Manager or appropriate Senior Management.
- 3.5.9 Assign Storm Crew personnel as required to support severe weather condition.
- 3.5.10 Assign individuals to prepare the site for severe weather while Storm Crews make preparations at home. These individuals make up the Severe Weather Site Preparation Team.
- 3.6 Department Severe Weather Coordinators shall:
- 3.6.1 Implement applicable department plans during a declared severe weather condition as it impacts the South Texas Project. (Refer to Data Package 1, Duty TSC Manager Severe Weather Plan Checklist and 3, All Departments Severe Weather Plan Checklist.)
- 3.6.2 Ensure department employees receive severe weather training prior to June 1 and October 31 each year using Addendum 1, Training Guidelines for Hurricane Season and 2, Training Guidelines for Freezing Weather as guidelines. Department Severe Weather Coordinators can provide this training.

**Severe Weather Plan**

- 3.6.3 Maintain current the department severe weather plan by reviewing annually and submitting to the Severe Weather Coordinator.
  - 3.6.4 Implement department preparatory actions for severe weather as outlined in Form 6, Severe Weather Preparations Checklist and report completion by submitting to the Department Manager for signature and forward to Severe Weather Coordinator.
  - 3.6.5 When a severe weather condition is declared that will impact the South Texas Project, provide the names of individuals assigned to fulfill the department responsibilities to the Severe Weather Coordinator. These individuals make up the Severe Weather Site Preparation Team. Form 3, Severe Weather Management Team/Storm Crew Roster can be used as a guide for positions needed to support the severe weather condition declared.
  - 3.6.6 Prepare and maintain department vehicles to support operation during Severe Weather Condition 3 or 2.
  - 3.6.7 Ensure that the department Severe Weather Site Preparation Team and Storm Crew has been identified and are prepared to respond.
  - 3.6.8 Provide Records Management their name, contact number, and an estimated records inventory list of Quality Assurance Records requiring storage during adverse weather conditions that will directly impact the South Texas Project (on Form 2, Departmental Severe Weather Coordinator and Records Custodian Assignment).
  - 3.6.9 Prior to May 1 of each year review the estimated number of archive boxes that would require storage in the event of Severe Weather Condition 1 or 2 and determine that appropriate storage facilities are available. The Department Severe Weather Coordinator will provide this information via Form 2, Departmental Severe Weather Coordinator and Records Custodian Assignment.
- 3.7 Department Severe Weather Records Custodian shall:
- 3.7.1 As directed by Department Severe Weather Coordinator or a member of the Severe Weather Management Team, implement collection and storage of department records for safekeeping. Need to maintain flexibility with planning based on projected severe weather conditions.
    - 3.7.1.1 When advised by the Duty TSC Manager or Severe Weather Coordinator, retrieve QA records and In-Process Quality Required Documents and Records from department area.
    - 3.7.1.2 Inventory records and package archive boxes using Form 5, Records Inventory List.

**Severe Weather Plan**

- 3.7.1.3 Designate boxes with a red dot which contain records that will impact plant operation, site access, or safety system work. Boxes marked with red dots will be retrieved first.
- 3.7.1.4 Move packed, marked boxes to pickup point designated on Form 2, Departmental Severe Weather Coordinator and Records Custodian Assignment.
- 3.7.1.5 Custody of records is transferred to Record Management when Form 5, Records Inventory List, is signed by an individual from Records Management.
- 3.7.1.6 When severe weather condition is terminated contact the Department Severe Weather Coordinator or Records Management for method of record retrieval. The records required to startup the plant and permit site access will be retrieved first (marked with red dots).

**4.0 Procedure****4.1 Preparatory Actions for Severe Weather**

- 4.1.1 Each year, prior to dates specified on Form 6, Severe Weather Preparations Checklist, all departments shall:
  - 4.1.1.1 Perform specified actions, and date individual line items when completed.
  - 4.1.1.2 When all items for the department are complete (dated), the department manager signs as complete and return form to the Severe Weather Coordinator.

**Severe Weather Plan**

- 4.1.2 Check emergency supplies and verify on-hand quantities are sufficient as required by this, or department severe weather procedures. Replenish missing supplies as required by inventory results.
- 4.1.2.1 Department Severe Weather Procedures should include supply checklists which address the conditions during severe weather, (high winds, flooding, cold temperatures, etc.) and conditions which result from the severe weather (loss of offsite power, mud, residual flood water, wildlife, etc).
- a. Example equipment for cold weather that departments should consider:
1. extra heaters
  2. freeze prevention equipment (anti-freeze, covers, heat tape, etc.)
  3. operable vehicles (department cars, trucks, forklifts, etc.)
- b. Example equipment for other severe weather that departments should consider:
1. preparatory equipment (tie downs, shoring, sandbags, trash pumps, etc.)
  2. recovery equipment (portable power generation equipment, extra batteries, trash pumps, food, gas chillers/coolers, etc.)
  3. Communication equipment (e.g. telephones, radio station broadcasts) per ST-HL-AE-5010
- 4.1.3 Prepare assigned department vehicles for use during severe weather conditions.
- 4.1.4 Provide hurricane information packages to department personnel, as requested.
- 4.1.5 The Severe Weather Coordinator should meet with Department Severe Weather Coordinators to review plans and establish ground rules for severe weather season.

**Severe Weather Plan**

## 4.2 Severe Weather Condition Declaration

## 4.2.1 The Operations Shift Supervisor shall:

- 4.2.1.1 Evaluate available weather information and declare/cancel severe weather conditions as defined in Section 2.0 Definitions.

NOTE

All actions pertain to severe weather impacting the South Texas Project.

- 4.2.1.2 Notify the Severe Weather Coordinator, Duty EOF Director, and Duty TSC Manager of severe weather condition changes.

4.2.2 The Duty EOF Director shall implement Data Package 2, Duty EOF Director Severe Weather Plan Checklist, for condition declared.

4.2.3 The Duty TSC Manager shall implement Data Package 1, Duty TSC Manager Severe Weather Plan Checklist, for condition declared.

4.2.4 Department managers and/or Department Severe Weather Coordinators shall implement applicable department severe weather plans for severe weather condition declared and Data Package 3, All Departments Severe Weather Plan Checklist. (CR 93-4499)

NOTE

If entry into the Emergency Plan is required during implementation of the Severe Weather Plan, all ongoing Severe Weather activities will be under the jurisdiction of the Emergency Director.

4.2.5 The Duty EOF Director shall implement Data Package 4, Site Recovery Plan of Action. He/She may delegate responsibility for completion of the Site Recovery Plan.

4.2.6 When a severe weather condition is terminated, the Severe Weather Management Team members shall forward the completed data package to the Severe Weather Coordinator. Data may be used to complete review of storm activities, as well as Condition Report investigation.

**Severe Weather Plan****5.0 References**

- 5.1 OPOP04-ZO-0002, Natural or Destructive Phenomena Guidelines
- 5.2 OERP01-ZV-IN01, Emergency Classification
- 5.3 OPOP01-ZO-0004, Extreme Cold Weather Guidelines
- 5.4 OPOP03-ZG-0006, Shutdown from 100% to Hot Standby
- 5.5 OPOP03-ZG-0007, Plant Cooldown
- 5.6 CR 93-4499, SPR 933248
- 5.7 CR 89-1573, SPR 890882
- 5.8 SOER 82-015, 3.c, Freezing of Safety-Related Equipment
- 5.9 OPMP02-ZA-0004, Maintenance Department Severe Weather Program
- 5.10 ST-HL-AE-5010, Memorandum, March 1, 1995

**6.0 Documentation**

- 6.1 The Severe Weather Coordinator will retain any records generated as a result of declaration of a severe weather condition. The records will be used to generate a report evaluating the success of activation of the station severe weather response. Any items noted during the review requiring additional actions or review will be entered into the Condition Reporting process. The applicable records generated should be retained until the condition reports are closed.
- 6.2 The Severe Weather Coordinator will retain the following records until superseded by the following years records:
  - 6.2.1 Completed Form 1
  - 6.2.2 Completed Form 2

**Severe Weather Plan****7.0 Support Documents**

- 7.1 Addendum 1, Training Guidelines for Hurricane Season
- 7.2 Addendum 2, Training Guidelines for Freezing Weather
- 7.3 Addendum 3, Radio Stations Listing
- 7.4 Addendum 4, Severe Weather – Sequence of Events Chart
- 7.5 Form 1, Severe Weather Plan Annual Review (IN HAND)
- 7.6 Form 2, Departmental Severe Weather Coordinator and Records Custodian Assignment (IN HAND)
- 7.7 Form 3, Severe Weather Management Team/Storm Crew Roster (IN HAND)
- 7.8 Form 4, Freeze Protection Inventory (IN HAND)
- 7.9 Form 5, Records Inventory List (IN HAND)
- 7.10 Form 6, Severe Weather Preparations Checklist (IN HAND)
- 7.11 Data Package 1, Duty TSC Manager Severe Weather Plan Checklist (IN HAND)
- 7.12 Data Package 2, Duty EOF Director Severe Weather Plan Checklist (IN HAND)
- 7.13 Data Package 3, All Departments Severe Weather Plan Checklist (IN HAND)
- 7.14 Data Package 4, Site Recovery Plan of Action (IN HAND)

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Addendum 1	Training Guidelines for Hurricane Season		Page 1 of 1

- Prior to June 1 each year, department personnel should be trained by the Department Severe Weather Coordinator or designee on actions required by the applicable Department Severe Weather Plan.
- Additional topics may include:
  - Early dismissal requirements during adverse weather conditions
  - Station severe weather safe structures
  - Local radio station information
  - Report back to work requirements after early dismissal
  - Station hurricane information hotline
  - Home hurricane preparations
  - NOAA Weather Radio Stations Frequencies (Addendum 3)
  - Evacuation routes
  - Review of the Severe Weather Plan OPGP03-ZV-0001
  - Procedural actions based on severe weather impacting the South Texas Project

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NOTE  
(SOER 82-015, CR 89-1573 – Entire Addendum)

- Prior to October 31 each year, Department Severe Weather Coordinators should train department personnel via meetings, memos, or bulletins on: (SOER 82-015, 3.c)
  1. Remaining aware of conditions that may promote localized freezing (e.g., open louvers or doors) during the course of their daily work. (SOER 82-015, 3.c)
  2. To immediately notify their supervisor of any condition or conditions that could promote localized freezing. (SOER 82-015, 3.c)
  3. Be aware of exposure hazards and symptoms.
  4. Severe Weather Plan OPGP03-ZV-0001
  5. Review of Procedure OPOP01-ZO-0004, Extreme Cold Weather Guidelines with appropriate personnel.
- Additional topics recommended for personnel involved in system walkdowns:

NOTE

1. All systems located within the boundaries of the following buildings are not considered susceptible to freezing weather conditions and will be excluded from the scope of the walkdown: Mechanical Auxiliary Building, Electrical Auxiliary Building, Reactor Containment Building, Fuel Handling Building, Essential Cooling Water Intake Structure, Turbine Generator Building. Systems located outside the walls of these buildings or on the roofs may be susceptible to freezing conditions.
2. All yard systems (including Circulating Water Intake Structure, River Makeup Pumping Facility, yard systems inside and outside the Protected Area) which are potentially exposed to freezing weather conditions will be included in the scope of the walkdown. Also, Walkdown Criteria I will be addressed. Systems located outside the walls of these buildings or on the roofs may be susceptible to freezing conditions.

Walkdown Criteria: The following conditions are identified as potential problems when exposed to freezing weather.

- A. Valve bonnets which are not insulated in a piping system which is insulated.
- B. Freeze protection leaves a gap where the pipe either goes underground or enters a building.
- C. Freeze protection ends before the tee or reducer at a pipe size transition, leaving a portion of the smaller pipe unprotected.

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- D. Freeze protection ends at an equipment or system interface, leaving interface flanges or skid-mounted piping and instrumentation unprotected.
- E. Local instrumentation (gauge glasses, pressure indicators, sensing lines, etc.) is not freeze protected, and space heaters are not provided in instrument cabinets.
- F. Freeze protection is not continuous at pipe supports (Evaluation must be performed on a case-by-case basis to determine if fin-affected cooling is present.)
- G. Insulation or heat tracing has not been restored following maintenance.
- H. Ventilation outlets blowing directly on any water-filled instrument sensing line or instrument (Isolation Valve Cubicle or Diesel Generator Building only).
- I. 6" and smaller piping and pumps which contain water and are not insulated must be evaluated for off-normal operation.
- J. 2" and smaller piping and pumps which contain water and are not heat traced must be evaluated for off-normal operation.
- K. 2" and smaller valves in a larger line which is not heat traced.
- L. 6" and smaller valves in a larger line which is not insulated.
- M. Freeze protection is not provided at tank vacuum breakers, level gauges, instrumentation, etc.
- N. Freeze protection is not provided for extended vents and drains (Evaluation must be performed on a case-by-case basis to determine susceptibility/fin-affected cooling.)

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Addendum 3	Radio Stations Listing		Page 1 of 1

### Local Radio Stations

Bay City

KMKS-FM 102.5  
KIOX-FM 96.9  
KXGJ-FM 101.7

El Campo

KUPL-AM 1390

Port LaVaca

Houston

KTRH-AM 740  
KPRC-AM 950  
KUHF-FM 88.7

KGUL-AM 1560

Lake Jackson

KBRZ-AM 1460

### NOAA Weather Radio Stations

Bay City	162.425	MHz
Bryan/College Station	162.55	MHz
La Grange	162.55	MHz
Galveston	162.55	MHz
Houston	162.40	MHz
Lufkin	162.55	MHz

## Severe Weather Plan

Addendum 4

Severe Weather - Sequence of Events Chart

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<b>Prior to May 1</b>	1) Departments shall designate a Department Severe Weather Coordinator, Records Custodian, and the Severe Weather Site Preparation Team members. Submit Form 2 to Severe Weather Coordinator.	2) Departments shall review and revise (if applicable) their Severe Weather Plan and submit to the Severe Weather Coordinator. Use Form 1.	3) Departments shall notify Records Management of Department Records Custodian and Estimated Records Inventory. Use Form 2.	4) Departments prepare to assign personnel to the Storm Crew roster Use Form 3.	5) Departments shall check emergency supplies and verify that on-hand quantities are sufficient. If not, replenish. Use Form 1.
<b>Prior to June 1</b>	1) Departments shall train all department personnel using the Department Severe Weather Coordinator or designee and Addendum 1 as a guideline. For cold weather, use Addendum 2.	2) Severe Weather Coordinator to meet with Department Severe Weather Coordinators and review/revise severe weather plans.	3) The Human Resources Department to setup Hurricane Information Hotline Center process with support from departments.	4) The Human Resources Department shall provide Hurricane preparation information to department personnel, as requested.	5) Deliver records packing boxes, labels, and tape to all departments.
<b>Condition Three</b>	Issued when a Hurricane is located in the Gulf of Mexico or a Tropical Storm <u>Watch</u> is posted for the Texas coast between Galveston Island and Corpus Christi, or a Tornado Watch, Flash Flood Warning, Severe Thunderstorms or freezing weather is predicted to impact the South Texas Project. All actions are based on impact to STP.	1) Alert site personnel. 2) Duty EOF Director, TSC Manager, and Severe Weather Coordinator notified that Severe Weather Condition 3 has been entered.	3) Storm Crews identified for on shift personnel with telephone numbers and home address with rotating shift schedule. 4) Commence Owner Controlled Area clean-up. 5) Severe Weather Site Preparation Team begins securing department work areas.	6) If required, contact Co-owners to ascertain equipment availability. 7) Consider distribution of storage containers to Departments for QA records. Weather predictions may not warrant action.	8) Check food and water supplies. 9) Implement Department Severe Weather Plans.
<b>Condition Three (continued)</b>	10) Inspect emergency equipment and supplies for suitability of use and move inside protected area.	11) Begin tracking storm/hurricane. Focus on impact to the STP. Implement appropriate actions. 12) Notify NRC, State and County personnel, as necessary.	13) Site Facility: - Tie down loose material. - Deliver empty boxes, tape, and labels, as necessary. - Place cribbing in the vault. - Fill sandbags.	14) Tie down outdoor mobile cranes. 15) Should conditions warrant, ensure QA records are at an interim storage location ready to be transported to the vault. Must be maintained under constant surveillance.	16) Hire additional security guards, if appropriate. 17) NPMM verify food, water, emergency supplies are available. 18) Perform periodic inventory check of emergency tools and equipment under department control.

## Severe Weather Plan

Addendum 4

Severe Weather - Sequence of Events Chart

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<b>Condition Two</b>	Issued when a Hurricane <u>Watch</u> or Tropical Storm <u>Warning</u> is posted for the Texas coast between Galveston Island and Corpus Christi, or Tornado warning, or freezing weather is predicted to impact the South Texas Project. All actions are based on impact to STP.	<ol style="list-style-type: none"> <li>1) Alert site personnel.</li> <li>2) Duty EOF Director, Duty TSC Manager, and Severe Weather Coordinator notified that Severe Weather Condition 2 has been entered.</li> </ol>	<ol style="list-style-type: none"> <li>3) Implement Department Severe Weather Plans.</li> <li>4) Remove loose trash and materials and tie down temporary and portable structures.</li> <li>5) Designate storage locations for initial repair parts identified for plant restrictions.</li> </ol>	<ol style="list-style-type: none"> <li>6) Release Storm Crews to attend to off-site preparations. Severe Weather Site Preparation Team to complete preparing the site.</li> <li>7) Package in process and QA records as directed by the Duty TSC Manager or Severe Weather Coordinator. Fill out Form 5 and transfer records to RMS.</li> </ol>	<ol style="list-style-type: none"> <li>8) Contact the Co-Owners.</li> <li>9) Move predesignated emergency equipment inside the protected area.</li> <li>10) Provide for means of communication with storm crews (telephones, radio station, broadcasts, etc.).</li> </ol>
<b>Condition Two (continued)</b>	<ol style="list-style-type: none"> <li>11) Operations Implement OPOP04-ZO-0002, "Natural or Destructive Phenomena Guidelines."</li> </ol> <ul style="list-style-type: none"> <li>- Based on severe weather impact to STP, ensure adequate inventories of expendable materials are available to support shutdown and subsequent startup of both units.</li> </ul>	<ul style="list-style-type: none"> <li>- Ensure all diesels are operable prior to projected landfall at the South Texas Project.</li> <li>- <math>\geq 30</math> MPH winds are predicted or actual at the South Texas Project secure all outdoor gantry cranes.</li> <li>- Fill fuel oil storage tanks, Demin water tanks, Chemical storage tanks, etc.</li> </ul>	<ul style="list-style-type: none"> <li>- Reduce Radwaste and floor drain sump levels.</li> <li>- Store radioactive material in a wind-safe structure.</li> </ul>	<ol style="list-style-type: none"> <li>12) Provide the following information to the NRC, FEMA, County, and State personnel, as needed. <ol style="list-style-type: none"> <li>a. Capability to provide sleeping accommodations, food, etc., inside the power block for storm crews, watchstanders and NRC staffs if the site falls within the projected path of the Hurricane.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>b. The status of any preparatory actions to mitigate potential impacts from the hurricane and the initiation of other precautions and actions, as necessary, to ensure plant safety.</li> <li>c. Potential to suspend safeguards per the Shift Supervisor.</li> </ol>
<b>Condition Two (continued)</b>	<ol style="list-style-type: none"> <li>13) Sandbag doors (2-hour duration).</li> <li>14) As directed by the TSC Manager or Severe Weather Coordinator, MOVE Quality Records to the vault.</li> </ol>	<ol style="list-style-type: none"> <li>15) ESTABLISH an SSR account.</li> <li>16) If weather conditions/predictions dictate, MOVE equipment, Storm Crew material into facilities – warehouse food, cots, water into weather-safe structure.</li> </ol>	<ol style="list-style-type: none"> <li>17) NIS requires 16 hours to perform software backup, begin preparations.</li> <li>18) CHARGE up cell phones.</li> </ol>	<ol style="list-style-type: none"> <li>19) Will need 12 hours to pack boxes and transport to Site Vault.</li> <li>20) PERFORM site communications test.</li> </ol>	
<b>Condition One</b>	Issued when a Hurricane is predicted to impact the STP within 24 hours, Hurricane <u>Warning</u> between Galveston Island and Corpus Christi, or freezing weather. Must directly impact the South Texas Project. All actions are based on impact to STP.	<ol style="list-style-type: none"> <li>1) Alert site personnel.</li> <li>2) Duty EOF Director, TSC Manager, and Severe Weather Coordinator notified that Severe Weather Condition 1 has been entered.</li> </ol>	<ol style="list-style-type: none"> <li>3) Implement Department Severe Weather Plans.</li> </ol>	<ol style="list-style-type: none"> <li>4) Request emergency equipment to be provided by Co-Owners be dispatched to the South Texas Project as needed or dictated by the Severe Weather Management Team.</li> </ol>	<ol style="list-style-type: none"> <li>5) Recall Storm Crews.</li> <li>6) Dismiss non-essential personnel as necessary.</li> </ol>

Severe Weather Plan

Addendum 4

Severe Weather - Sequence of Events Chart

<p><b>Condition One (continued)</b></p>	<p>7) Prepare to receive the NRC Site Team and advise the NRC of the following:</p> <ul style="list-style-type: none"> <li>- Inform of status of the stations preparatory actions.</li> <li>- Ascertain operational readiness of communications systems.</li> </ul>	<p>8) Operations Implement OPOP04-ZO-0002, "Natural or Destructive Phenomena Guidelines."</p> <ul style="list-style-type: none"> <li>- Monitor Meteorological conditions.</li> <li>- Evaluate the emergency classification based on the National Weather Service predictions or other weather service providers and predicted impact of the storm on the South Texas Project.</li> </ul>	<ul style="list-style-type: none"> <li>- Ensure Standby Diesel Generators are operable.</li> <li>- Test Turbine Generator lube oil and other pumps.</li> <li>- Monitor met conditions using ERFDADS primary and backup towers.</li> <li>- NIS to conduct communications checks.</li> </ul>	<ul style="list-style-type: none"> <li>- Ensure additional manpower is available for the duration of the storm.</li> </ul> <p>9) If a Hurricane Warning is in effect for the Texas coast between Galveston Island and Corpus Christi <u>AND</u> the National Weather Service has predicted landfall that will impact the South Texas Project, <u>THEN:</u></p>	<p>a) PERFORM the following at least 12 hours prior to projected Hurricane landfall affecting the South Texas Project:</p> <ul style="list-style-type: none"> <li>- Consider initiating plant shutdown per OPOP03-ZG-0006, "Shutdown from 100% to Hot Standby."</li> <li>- NIS to backup and shrink-wrap the software.</li> </ul>
<p><b>Condition One (continued)</b></p>	<p>b) NOTIFY the Security Force Supervisor at least 4 hours prior to the projected Hurricane arrival (sustained winds in excess of 73 miles per hour at the South Texas Project) to ensure that all exterior doors and hatches to the following buildings and vital areas are secure:</p> <p>Mechanical and Electrical Auxiliary Buildings                  Reactor Containment Buildings                  Diesel Generator Buildings                  Essential Cooling Water Intake Structure</p> <ul style="list-style-type: none"> <li>- LOCK all buildings down.</li> <li>- TEST established hotline and offsite media interface.</li> </ul>	<p>c) PERFORM the following at least 2 hours prior to the projected Hurricane arrival at the South Texas Project with (sustained winds in excess of 96 miles per hour):</p> <p>As directed by the Plant Manager <u>ensure</u> the Units are in Mode 3 or <u>lower</u> at least 2 hours prior to the anticipation of sustained winds in excess of 96 miles per hour at the site.</p> <ul style="list-style-type: none"> <li>- START and LOAD one of the SDG and remove the respective ESF Bus from offsite power.</li> <li>- Need to COORDINATE shutdown of onsite power between Facilities personnel and Severe Weather Site Preparation Team members.</li> </ul>	<ul style="list-style-type: none"> <li>- CONTINUE to operate the diesels started until after the emergency conditions have been lifted.</li> <li>- Notify Mechanical Maintenance to ensure the following are secured:  All Gantry Cranes RCB Equipment Hatch</li> </ul>		





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<b>Severe Weather Plan</b>			
Form 2	Departmental Severe Weather Coordinator and Records Custodian Assignment (IN HAND)		Page 2 of 2

STP7090

**SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION  
ESTIMATED RECORDS INVENTORY LIST  
(HURRICANE RECORD STORAGE)**

PAGE \_\_\_\_\_ OF \_\_\_\_\_

RECORDS CUSTODIAN \_\_\_\_\_ EXT. \_\_\_\_\_

DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_

COMPLETE, SIGN, DATE AND FORWARD TO THE RMS RECORDS COORDINATOR, N2002.

PICKUP LOCATION \_\_\_\_\_ NUMBER OF BOXES \_\_\_\_\_

TOTAL NUMBER OF BOXES \_\_\_\_\_

**NOTE: Determine number of boxes based on archive box dimensions.**

**BOX DIMENSIONS**  
12" X 15"

\_\_\_\_\_  
RECORDS CUSTODIAN SIGNATURE

\_\_\_\_\_  
DATE

Severe Weather Plan

Form 3

Severe Weather Management Team/Storm Crew Roster (IN HAND)

Page 1 of 4

POSITION	DEPT	TEAM 1 (Duty Team)		TEAM 2 (Oncoming Team)	
		NAME	TELEPHONE	NAME	TELEPHONE
EOF DIRECTOR					
TSC MANAGER					
TSC NUCLEAR ENGINEER					
TSC ELECTRICAL ENGINEER					
TSC MECHANICAL ENGINEER					
TSC COMMUNICATOR					
DOSE ASSESSMENT SPEC.					
TSC RADIOLOGICAL MANAGER					
OPERATIONS MANAGER					
SITE PUBLIC AFFAIRS SPEC.					
ASSISTANT TSC MANAGER					
EOF COMM. TECHNICIAN					

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<b>Severe Weather Plan</b>			
Form 3	Severe Weather Management Team/Storm Crew Roster (IN HAND)		Page 2 of 4

POSITION	DEPT	TEAM 1 (Duty Team)		TEAM 2 (Oncoming Team)	
		NAME	TELEPHONE	NAME	TELEPHONE
TSC MAINTENANCE MANAGER					
OSC COORDINATOR					
TSC SECURITY MANAGER					
TSC ADMINISTRATIVE STAFF					
EMPLOYEE SUPPORT					
NPMM PROCUREMENT					
INPO/INDUSTRY LIAISON					

Severe Weather Plan

Form 3

Severe Weather Management Team/Storm Crew Roster (IN HAND)

Page 3 of 4

POSITION	DEPT/DIV	TEAM 1 (Duty Team)		TEAM 2 (Oncoming Team)	
		NAME	TELEPHONE	NAME	TELEPHONE
EQUIPMENT OPERATOR	FAC. MGT			Only One Team Required	
EQUIPMENT OPERATOR	FAC. MGT				
MECHANIC	FAC. MGT				
MECHANIC	FAC. MGT				
ELECTRICIAN	FAC. MGT				
ELECTRICIAN	FAC. MGT				
ELECT. CREW LEADER	ELEC. MAINT				
JOURNEYMAN, DG.	ELEC. MAINT				
JOURNEYMAN, DG.	ELEC. MAINT				
JOURNEYMAN, MISC.	ELEC. MAINT				
MATERIALS HANDLER	NPMM				
MATERIALS HANDLER	NPMM				
MECH. CREW LEADER	MECH. MAINT				
CRAFTSMAN	MECH. MAINT				
CRAFTSMAN	MECH. MAINT				

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<b>Severe Weather Plan</b>			
Form 3	Severe Weather Management Team/Storm Crew Roster (IN HAND)		Page 4 of 4

POSITION	DEPT/DIV	TEAM 1 (Duty Team)		TEAM 2 (Oncoming Team)	
		NAME	TELEPHONE	NAME	TELEPHONE
I&C CREW LEADER	I&C MAINT				
JOURNEYMAN	I&C MAINT				
JOURNEYMAN	I&C MAINT				
SWITCHYARD OPERATOR	HL&P T & D				

- On-shift Personnel from Health Physics, Chemistry, Plant Operations, Security, and Maintenance are members of the Emergency Response Organization/Storm Crew Roster.

## Severe Weather Plan

Form 4

Freeze Protection Inventory (IN HAND)

Page 1 of 2

Class bin number 501-34046 is used to withdraw the Freeze Protection Storage Container from Warehouse 32.

Freeze Protection Container

## MINIMUM

## QUANTITY

REQD/ACT.

DESCRIPTIONCLASS BIN

<u>20/</u>	Heat Trace Tape, 6 FT	501-31319
<u>15/</u>	Heat Trace Tape, 12 FT	501-31320
<u>15/</u>	Heat Trace Tape, 18 FT	501-31321
<u>25/</u>	Extension Cord, 50 FT	501-1878
<u>10/</u>	Extension Cord, 100 FT	501-1879
<u>12/</u>	Heat Trace Cable 15 FT, w/plug	501-31462
<u>400 ft/</u>	Heater Cable, 6-Watt, Cut-TO-Length	501-31463
<u>4/</u>	Power Connector Kit, Heat Trace Cable	501-31464
<u>3/</u>	Heat Gun	661-30855
<u>24/</u>	Skrim-Foil-Kraft Tape, 4" x 50 YD	560-96026
<u>12/</u>	Rubetex Adhesive Foam Rubber, Pint	560-20034
<u>1/</u>	Rubetex, 1/2" x 36" x 48" Sheet	501-34001
<u>6/</u>	LPG Infrared Heater 16,000 BTU/Hr Capacity	501-31322
<u>3/</u>	Pump, Hand Transfer, for 55 Gal Drums of Kerosene	561-30718

Warehouse 32 Annex

<u>3/</u>	Roll Insulation/Duct Wrap, 1-1/2" Thick	501-34036
<u>1/</u>	Tie Wire, #16 AWG, SS, 50 LB	501-5206
<u>1/</u>	Roll of Jacketing Insulation, Rolled Smooth	501-2525
<u>1/</u>	Temporary Mat Insulation, 1/2" x 60" Roll	501-33876
<u>* 8/</u>	Portable Oil-Fired Heater, 150,000 BTU/Hr Capacity	501-31318
<u>* 15/</u>	**120V Electric Heaters, 1500 Watt Capacity	501-35520
<u>8/</u>	**Propane Gas Heaters 175,000 – 350,000 BTU/Hr. Capacity, w/Gas Hose, 1/4" ID x 40' Long	501-35517 501-35519
<u>8/</u>	Can, Safety, 5 Gallon (For Kerosene)	562-167

This form, when completed, SHALL be retained with the freeze protection container until superseded.

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<b>Severe Weather Plan</b>			
Form 4	Freeze Protection Inventory (IN HAND)		Page 2 of 2

Class bin number 501-34046 is used to withdraw the Freeze Protection Storage Container from Warehouse 32.

Gas Cylinder Storage Area

MINIMUM QUANTITY REQD/ACT.	<u>DESCRIPTION</u>	<u>CLASS BIN</u>
<u>16/</u>	Propane Gas Bottles, 100 LB (for use with C/B 501-35517 & 501-35519)	501-35518
<u>6/</u>	Propane Gas Bottles, 60 LB (for use with C/B 501-24477)	501-24477

Flammable Storage Building

<u>8/</u>	Kerosene, 55 Gallon Drum	560-11021
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NOTE: Kerosene is also available from a bulk storage tank at the Fab Shop.

- \* Items located in the same warehouse storage area as the container, and will be issued to the Tool Room with the Freeze Protection Container.
- \*\* These items SHALL be stored only at the direction of the Plant Manager or designee.

COMPLETED BY: \_\_\_\_\_  
Signature
Date

This form, when completed, SHALL be retained with the freeze protection container until superseded.



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<b>Severe Weather Plan</b>			
Form 6	Severe Weather Preparations Checklist (IN HAND)		Page 1 of 5

<b>Prior To April 15 Complete The Following:</b>		
<b>Responsible Group</b>	<b>Action Item</b>	<b>Item Complete</b>
Emergency Response	Notify each Department Manager of the procedural requirements contained in Section 4.0.	
NPMM	Inventory and Order Necessary Hurricane Supplies: <ul style="list-style-type: none"> <li>a. Food</li> <li>b. Water</li> </ul>	

Completed by: \_\_\_\_\_  
Forward to Severe Weather  
Coordinator when signed complete.

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<b>Severe Weather Plan</b>			
Form 6	Severe Weather Preparations Checklist (IN HAND)		Page 2 of 5

<b>Prior To May 1 Complete The Following:</b>		
<b>Responsible</b>	<b>Action Item</b>	<b>Item Complete</b>
All Departments	Designate in writing, the Department Severe Weather Coordinator and submit to the Severe Weather Coordinator. (Form 2)	
All Departments	Designate in writing, the Records Custodian and estimated records inventory and submit to Records Management and Severe Weather Coordinator. (Form 2)	
All Departments	Perform annual review of Department Severe Weather Plan, update and revise as required.	
All Departments	Fill in applicable blanks on Emergency Response Organization/Storm Crew Roster and submit to Severe Weather Coordinator.	
All Departments	Inventory severe weather supplies as required by each Department Severe Weather Plan and order as required.	
All Departments	Pre-designate department personnel that will assist the Department Severe Weather Coordinators to prepare the Station for severe weather prior to landfall. Shall be part of the Severe Weather Site Preparation Team	

Completed by: \_\_\_\_\_  
 Forward to Severe Weather  
 Coordinator when signed complete.

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<b>Severe Weather Plan</b>			
Form 6	Severe Weather Preparations Checklist (IN HAND)		Page 3 of 5

<b>Prior To June 1 Complete The Following:</b>		
<b>Responsible Group</b>	<b>Action Item</b>	<b>Item Complete</b>
Human Resources	Prepare Hurricane Package	
Human Resources	Review Hurricane Information Hotline Center process and setup.	
Records Management	Determine storage facilities are adequate for estimated archived records.	
All Departments Severe Weather Coordinator	Meet with Severe Weather Coordinator and review Station/Department severe weather plans. Also, review Department Severe Weather Training Program. Revise as necessary.	
All Departments	Conduct department training as required using Addendum 1 as a guide.	
All Departments	Contact Human Resources for required Hurricane Packages.	
All Departments	Perform Site Walk-Down to determine actions required in preparation of Hurricane Season. Initiate Condition Report (CR) as necessary.	
All Departments	Support Hurricane Information Hotline Center with assigned number of volunteers.	
All Departments	Department vehicles are prepared for severe weather.	
All Departments	Be prepared to provide names of department individuals required to support around the clock implementation of the severe weather procedure.	
Facilities	Boxes, tape, and labels should be delivered to all departments.	

Completed by: \_\_\_\_\_  
 Forward to Severe Weather  
 Coordinator when signed complete.

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<b>Severe Weather Plan</b>			
Form 6	Severe Weather Preparations Checklist (IN HAND)		Page 4 of 5

<b>Prior To October 1 Complete The Following:</b>		
<b>Responsible Group</b>	<b>Action Item</b>	<b>Item Complete</b>
Maintenance	Perform all Heat Tracing/Freeze Protection System PMs	
NPMM	Inventory the Freeze Protection Storage Container using Form 4.	

Completed by: \_\_\_\_\_  
 Forward to Severe Weather  
 Coordinator when signed complete.

<b>Prior To October 31 Complete The Following:</b>		
<b>Responsible Group</b>	<b>Action Item</b>	<b>Item Complete</b>
All Departments	Train all department personnel using Addendum 2 as a guideline.	
Systems Engineering	Evaluate need for temporary shelters or temporary modifications for any areas or equipment susceptible to freezing and implement as required.	
Systems Engineering	Provide to each Unit Shift Supervisor, and maintain current, a list of Mechanical Auxiliary Building and Fuel Handling Building chilled water cooling coils that need to be drained to prevent freezing.	
Systems Engineering	Perform walkdowns of systems to identify deficiencies that could promote freezing, and initiate Service Requests (SRs) to repair or compensate for these deficiencies.	
Systems Engineering	Review existing temporary modifications to ensure adequate freeze protection is provided to temporary equipment, and temporary freeze protection measures are adequate.	
Maintenance	Temporary shelters, specified by SED, have been installed to withstand normally expected winds (e.g., made of canvas, plywood, etc.) with temporary heaters inside and any necessary temporary lighting.	
Work Control	All SRs as required for freeze protection have been identified and scheduled for work.	
Plant Operations	Each Shift Supervisor has reviewed the requirements of Reference 5.3.	
Plant Operations	All equipment and systems outside the Reactor Containment Building and under Plant Operations Department jurisdiction, have been inspected for deficiencies that could promote freezing, and SRs to repair or compensate for these deficiencies have been initiated.	
Facilities Management	All buildings outside the power block have been prepared for cold weather.	
All Departments	Notify SWC when actions are completed.	
SWC	Monitor progress of Data Package completion by Departments.	

Completed by: \_\_\_\_\_  
 Forward to Severe Weather  
 Coordinator when signed complete.

Ensure the responsible individual completes appropriate action step.

Action Step		Weather Condition		
	Resp Ind.	3	2	1
Notify Severe Weather Management Team of entry into or changes to Severe Weather Classification.	SWC SS			
Provide Support to Shift Supervisor as requested, including input for changes to Severe Weather Classification as impact to STP.	SWC DTSCM			
Provide periodic reports on storm's location, current conditions, area forecast, and extended forecast for next 24 hours to the Severe Weather Management Team and Department Severe Weather Coordinators. Focus on impact to the South Texas Project.	SWC DTSCM			
Evaluate Emergency Plan Emergency Action Levels (EALs) and determine potential for entry into Emergency Plan and confer with Shift Supervisor.	SWC DTSCM			
Track completion of Department Condition preparations and notify Duty TSC Manager when Condition preparations are complete. (NOTE: Addendum 4 maybe used as an aid).	SWC DSWC			
Verify department vehicles have been fueled and are maintained full.	Facilities DSWC			
Check food and water supplies. Order additional supplies as needed.	DSWC NPMM			
Identify and list Storm Crew members. Send to SWC.	DSWC			
Evaluate release of Storm Crew members.	DTSCM SWC			
Support Operations and implementation of Natural or Destructive Phenomena Guidelines 0POP04-ZO-0002.	SWC DTSCM			
Verify all Diesels are operable.	DTSCM SS			
Verify prediction of winds at the South Texas Project >30 MPH wind speed at the South Texas Project, all outdoor gantry cranes secured.	DTSCM SS			
Verify fuel oil storage tanks, demin water tanks, Chem Storage tanks filled.	DTSCM SS			

**When completed, return checklist to Severe Weather Coordinator.**

SWC = Severe Weather Coordinator  
 DSWC = Department Severe Weather Coordinator

DTSCM = Duty Technical Support Center Manager  
 SS = Shift Supervisor

Action Step		Weather Condition		
	Resp Ind.	3	2	1
Prepare for NRC Site Team arrival.	DTSCM			
Reduce Radwaste and floor drain sump levels.	DTSCM SS			
Evaluate the necessity to box, package, transport, and store records. If record storage required, instruct departments to use Form 5. (NOTE: 1)	DTSCM SWC			
Recall Storm Crew (approximately 12 hours before impact to the South Texas Project) and dismissal of remaining non-essential personnel.	DTSCM SWC			
Verify Turb Generator Lube Oil and other pumps tested	DTSCM SS			
Verify NIS conducted communications checks.	DTSCM SWC			
Verify at >12 hrs before impact at the South Texas Project consider plant s/d	DTSCM SS			
Verify plant in Mode 3 two hours before >96 mph winds on site are attained.	DTSCM SS			
Verify Standby Diesel Generators testing complete.	DTSCM SS			
Activate Severe Weather Storm Crew when appropriate.	DTSCM SWC			

**NOTE: 1 - If storm threat (impact to STP) is reduced significantly, then storage of records could then be terminated. Notify Department Severe Weather Coordinators if decision is to stop packaging records and return to secure location.**

**When completed, return checklist to Severe Weather Coordinator.**

SWC = Severe Weather Coordinator  
 DSWC = Department Severe Weather Coordinator

DTSCM = Duty Technical Support Center Manager  
 SS = Shift Supervisor

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<b>Severe Weather Plan</b>			
Data Package 2	Duty EOF Director Severe Weather Plan Checklist (IN HAND)		Page 1 of 1

Ensure the responsible individual completes appropriate action steps.

Action Step	Resp Ind.	Weather Condition		
		3	2	1
Alert/brief Senior Management and Co-Owners as necessary	SWC DEOFD			
Contact Co-Owners to ascertain equipment availability	DEOFD SWC			
Coordinate Severe Weather activities with Texas Department of Public Safety, Matagorda County Emergency Management, NRC and FEMA as necessary.	SWC DEOFD			
If a Hurricane is expected to impact the South Texas Project within 72 hours (sustained winds that will exceed 73 miles per hour), then provide the following information to the NRC Region IV:	DEOFD SWC			
a. STP's capability to provide sleeping accommodations, food, etc., inside the power block for licensee and NRC staffs if STP falls within the projected path of the Hurricane				
b. The status of any preparatory actions to mitigate potential impacts from the Hurricane and the initiation of other precautions and actions, as necessary, to ensure plant safety. (NOTE: Addendum 4 may be used as an aid.)				
If Hurricane (sustained winds that will exceed 73 miles per hour) is expected to impact the South Texas Project within 24 hours, then provide the following information to NRC Region IV:	DEOFD SWC			
a. Update current preparatory status of STP.				
b. STP's Units current/projected operating status.				
c. Discuss NRC's co-location status.				
Evaluate and recommend early dismissal of non-essential personnel to senior management. Upon approval from Senior Management order early dismissal approximately 24 hours prior to impacting the South Texas Project or when deemed necessary. May also apply to Severe Weather Site Preparation Team.	DEOFD			
Evaluate activation of the Severe Weather Emergency Response Organization.	DEOFD SWC			
a. If ERO activated, notify SWC to start partial ERO call-out.				
b. Report to Technical Support Center Unit 1 prior to the onset of adverse weather conditions.				

**When completed, return checklist to Severe Weather Coordinator.**

SWC = Severe Weather Coordinator  
SS = Shift Supervisor

DEOFD = Duty Emergency Operations Facility Director

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<b>Severe Weather Plan</b>			
Data Package 3	All Departments Severe Weather Plan Checklist (IN HAND)		Page 1 of 2

Ensure the responsible individual completes appropriate action steps.

Action Step	Resp Ind.	Weather Condition		
		3	2	1
Implement OPOP04-ZO-0002 as required (Operations only).	SS	/ / / / /		
Notify SWC when Data Package completed.	DSWC			
Assist SWC or the Duty TSC Manager as requested.	DSWC			
Human Resources Department to provide hurricane preparation information to department personnel, as requested.				
Implement Department Severe Weather Plans.	DSWC			
Distribute storage containers to departments for QA records.	DSWC		/ / / / /	/ / / / /
Notify department personnel of the specific severe weather declaration (i.e., a Tornado Watch or Tornado Warning, Hurricane, or a Flood Watch has been issued for Matagorda County.	DSWC			
Walkdown work locations (weather permitting) pick-up trash and light materials	DSWC			/ / / / /
Tie down temporary buildings, structures (weather permitting) and secure any potential materials that may become missiles (Maintenance, Facilities)	DSWC			/ / / / /
Inspect emergency equipment and supplies for suitability of use.	DSWC		/ / / / /	/ / / / /
When directed by the Duty TSC Manager, dismiss non-essential personnel. Instruct personnel to monitor local radio stations for report back to work instructions or return to work on normal schedule. Radio stations listing – Addendum 3.	DSWC	/ / / / /		
Determine department members to be assigned to the Storm Crew Roster.		/ / / / /		

**When completed, return checklist to Severe Weather Coordinator.**

DSWC = Department Severe Weather Coordinator

SS = Shift Supervisor

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<b>Severe Weather Plan</b>			
Data Package 3	All Departments Severe Weather Plan Checklist (IN HAND)		Page 2 of 2

Action Step	Resp Ind.	Weather Condition		
		3	2	1
Turn in names of department personnel assigned to Storm Crew Rosters	DSWC			
Direct department personnel to seek safe shelters for Tornado Warning. (Safe shelters in the Protected Area are: Mechanical Electric Auxiliary Building (Preferred), Essential Cooling Water Intake Structure, Fuel handling Building, Reactor Containment Building, and Diesel Generator Building. <b>Sheltering outside the Protected Area should be the lowest floor near inside walls away from windows.</b>	SWC			
<b>NOTE: Inform personnel NOT to go outside.</b>				
When directed by the Duty TSC Manager, dismiss non-essential personnel. Instruct personnel to monitor local radio stations for report back to work instructions or return to work on normal schedule. Radio Stations Listing – Addendum 3.				

**When completed, return checklist to Severe Weather Coordinator.**

SWC = Severe Weather Coordinator

DSWC = Department Severe Weather Coordinator

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Post Hurricane Passage Checklist:</b>	1. Implement plans for re-establishing security measures.		
	2. Determine extent of site damage and prioritize repairs as necessary.		
	3. Communicate the plant status to our owners/customers/site personnel.		
	4. Evaluate remobilization of work force.		
	a. Announce remobilization efforts after data indicates Severe Weather has passed and site conditions allow for return to work. Coordinate with state and county emergency coordinators.		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Post Hurricane Passage Checklist: (continued)</b>	b. Notify news media of a “return to work call” for all STP employees.		
	5. Maintain open communications with the NRC, Matagorda County and state officials and FEMA (as required).		
	a. Address/Update with the following information:		
	i. Determine the extent of any damage at the site.		
	ii. Determine the status of offsite (10-mile EPZ) i.e.: <ul style="list-style-type: none"> <li>- Sirens</li> <li>- Alert Radios</li> <li>- Access to the Site</li> <li>- Emergency Response</li> <li>- Communications</li> <li>- E-Plan requirements</li> </ul> (Refer to 0ERP01-ZV-RE01, “Recovery Actions”)		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Post Hurricane Passage Checklist: (continued)</b>	iii. Advise of material status of the plant.		
	6. Determine if Matagorda County Emergency Management personnel can respond to an emergency at the South Texas Project.		
	7. As required, initiate material, food delivery to and from the site.		
	8. Have Human Resources personnel implement the family assistance plans.		
	9. Document "all" events and consequences of the Storm/Hurricane. Use of video or photographs for permanent record is encouraged.		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Post Hurricane Passage Checklist: (continued)</b>	10. Restore onsite power.		
	11. Restore access to the site.		
	12. Develop an Engineering Recovery Team.		
	13. Prepare for advance NRC, media teams.		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Post Hurricane Passage Checklist: (continued)</b>	14. Perform site surveys – physical and radiological.		
	a. Document results for publication.		
	15. Utilize National Weather Service Doppler instead of MET Tower.		
	16. Restore Site: - Fire Protection - Reliable Emergency Communications		
	17. Develop short term/long term recovery plan.		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Emergency Response Facilities:</b>	Are State and County Emergency Operations Centers structurally safe and functional? Operating on restored power or generators?		
	Status of designated Reception/Congregate Care Centers? Type of power supply? Are they currently occupied? Remaining capacity?		
	Status of special needs facilities – nursing homes, hospitals, etc.? Type of power supply?		
	Is facility designated for Joint Information Center available? Does it have power? Is building structurally sound for occupancy?		
Repairs/Replacement Work Status Report:			

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Emergency Response Organizations:</b> <u>Contact</u> - Owners - State Officials - County Officials - Local Officials - FEMA	Contact FEMA, Region IV Director (940) 898-5399		
	NRC, STP Resident - Contact Neil O’Keefe (361) 972-8020		
	NRC Region IV - Contact Tom Andrews (817) 860-8242		
	NRC Response Center, EALs (301) 816-5100		
	Bureau of Radiological Controls - Contact Art Tate (512) 345-2388		
	Division of Emergency Management - Contact Tom Millwee (512) 424-2443		
	Contact County Judge - EOC (409) 244-3241 - Office (409) 244-7650		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Emergency Response Organizations: (continued)</b>	County Emergency Coordinator (409) 244-3942		
	Status of State Emergency Response Team? Availability for REP response?		
	Availability of County Judge, Commissioners, Mayors, Police Chief/Sheriff?		
	Status of County/City Emergency Management personnel?		
	Status of paid/volunteer fire departments, personnel and equipment?		
	Status of Emergency Medical Services/volunteer rescue squads, personnel and equipment?		
	Status of local law enforcement, personnel and equipment?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Emergency Response Organizations: (continued)</b>	Availability of state law enforcement to support/backup local law enforcement personnel and equipment?		
	Status of backup route alerting agencies, their personnel and equipment?		
	Status of personnel monitoring and decontamination agencies, their personnel and equipment? Availability of portable portal monitors; radiation detection equipment?		
	Status of congregate care workers? Are they committed to working the natural disaster? Availability of additional personnel, if needed? Local Social Services, Red Cross? National Red Cross workers?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Emergency Response Organizations: (continued)</b>	Status of emergency worker decontamination station agencies, their personnel and equipment?		
	Status of agencies for traffic control points and security roadblocks?		
	Availability of public information officers, JIC support staff, and rumor control staff? Status of equipment required for JIC operation?		
	Availability of mobile lab personnel, field teams, and remote hook-up capability? Is generator power available?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Emergency Response Organizations: (continued)</b>	Availability of backup personnel, resources, and equipment from other non-impacted counties?		
	Availability of backup personnel, resources, and equipment from the State and surrounding states?		
<b>Communications:</b>	Status of Selective Signaling System and Decision Lines (Dedicated REP Communication Lines)?		
	Status of telephone service to the general public within the 10-mile EPZ?		
	Cellular phone capabilities within the area? Availability of cellular phones?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Communications:</b>	Operability of state agency radio systems?		
	Operability of local agency radio systems?		
	Availability and locations of amateur radio personnel and equipment?		
	Email/Internet communications capability between agencies/ jurisdictions?		
<b>Repairs/Replacement Work Status Report:</b>			

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Alert and Notification of the Public:</b>	Operability status of the primary EAS station for the EPZ area? Restored or generator power supply?		
	Availability and operability of EAS radios used for notification?		
	Status of power outages within the 10-mile EPZ? Expected date for completion of power restoration within the EPZ?		
	Operability status of local radio/television stations to broadcast information to the public?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Alert and Notification of the Public:</b>	Cable-interrupt capability? Status of cable service within 10-mile EPZ?		
	Operability of local telephone service within the 10-mile EPZ for notifying special needs populations?		
	Availability of backup route alerting agencies? Can fire/police support route-alerting activities with recovery/cleanup activities ongoing?		
	Other alternate means of alerting the public? Availability/operability status?		
	Method(s) used to notify the public of any evacuation route changes, if any are required?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Alert and Notification of the Public:</b> (continued)	Availability of printed information at locations frequented by transient populations?		
	Availability/development of notification/education information for “unique” transient populations which may be in the EPZ following a disaster (i.e., construction workers, recovery staffs?)		
<b>Siren System:</b>	Identification of any non-functional sirens?		
	Development of “action plan” for restoration of any non-functioning sirens?		
	Number of sirens inoperable? Percentage of total sirens located within EPZ >94%?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Siren System: (continued)</b>	Cause of siren inoperability and number of sirens within each category? Sirens lost to: power outage? Mechanical failures? Minor/major damage? Completely destroyed?		
	Testing of individual sirens once repaired (silent test, growl test, rotation test)? Test results obtained by observer at siren site or feedback system?		
	Is operability in question? If major loss of sirens/alert system, then have you reported to the NRC?		
	Silent/Growl test of all sirens within a county from the County EOC once sirens within that county are repaired? Test results?		
	Silent and growl test of entire siren system once repairs are complete? From County EOCs? From plant site? Test results?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Siren System: (continued)</b>	Conducting a "Full Volume" siren test? (Optional, depending upon extent of damage to system and status of community response to primary disaster hazard.) Also, full EAS system test?		
Repairs/Replacement Work Status Report:	Contact contractor to replace sirens.		
<b>Evacuation Signs:</b>	Are signs permanently placed? If so, identification (location) of any downed signs?		
	Identification (location) of any missing signs?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
Evacuation Signs: (continued)	Identification (location) of any destroyed signs?		
	Availability of replacement signs, if needed?		
	Time frame for the manufacture and delivery of replacement signs, if required?		
Repairs/Replacement Work Status Report:			

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Population Shifts/Changes:</b>	Identification of any population changes resulting from the natural disaster? Type of changes (temporary or permanent)?		
	Estimate of evacuated population in the damaged area?		
	Evacuation status by nuclear evacuation planning zones?		
	Verification of sheltered populations? Were REP designated shelters used?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Population Shifts/Changes: (continued)</b>	Verification of relocated employees? (Where are they now and how long will they be displaced?)		
	Status of any members of STP who elected to remain in the evacuated areas? Number of people staying in evacuated areas?		
	Identification of any large infusion of transient workers resulting from the disaster?		
	Status/schedule of re-opening evacuated areas to residents, and to transient populations?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Population Shifts/Changes: (continued)</b>	Identification of any topography changes which would affect population centers?		
	Status of special needs facilities (hospitals, nursing homes, etc.)? Patients evacuated or at facilities? Number of patients? Availability of transportation to move patients, if necessary?		
	Status of school re-openings within the 10-mile EPZ and schools designated as reception/congregate care centers?		
	Availability of school buses and drivers to be used for evacuating schools, if necessary?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Population Shifts/Changes: (continued)</b>	Status of day care centers and private schools/camps within the 10-mile EPZ (re-opening schedules, availability of personnel and transportation)?		
	Status of any relocated homebound "special needs" populations?		
Repairs/Replacement Work Status Report:			

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Evacuation Routes:</b>	Major routes accessibility? Are roads open to traffic? Are all lanes open and clear or limited lanes available?		
	What is the impact on evacuation capability if all lanes of travel are not available?		
	Re-routing options for blocked routes? Has the public been notified of re-routing?		
	Bridge damage: <ul style="list-style-type: none"> <li>- Bridge closures?</li> <li>- Bridge damage minor and bridge is accessible?</li> <li>- Bridge damage major and bridge is non-accessible?</li> <li>- Any non-functioning draw bridges?</li> </ul>		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Evacuation Routes: (continued)</b>	Alternative methods of crossing waterways where bridge access not available?		
	Revised Evacuation Time Estimates based upon revised/re-routed evacuation routes? Is this a significant change in time?		
	What is the anticipated time frame before normal evacuation routes and times will be restored?		
<b>Accident Assessment:</b>	Availability of facility/location for mobile laboratory to set up? Status of power and communications capabilities?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Accident Assessment: (continued)</b>	Availability of field monitoring team personnel and equipment?		
	Is access to restricted/damaged areas for environmental readings and sampling attainable?		
	Availability of personnel and vehicles to transport samples? Are airports/heliports open for air transport?		
	Communications capability status between the State EOC, the mobile lab, field teams, and the Utility EOF?		
	Availability of food, water?		

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MAJOR ASSESSMENT CATEGORY	PRIMARY ACTIVITIES CATEGORY	CURRENT STATUS (DATE/TIME)	ACTIONS TO BE TAKEN/ RESOLUTION
<b>Other Information Which Could Impact Assessment:</b>			