

STI 32462478

**EMERGENCY MANAGEMENT PLAN  
FOR  
MATAGORDA COUNTY, BAY CITY, AND PALACIOS  
ANNEX W PLAN  
FIXED NUCLEAR FACILITIES RESPONSE**

**RADIOLOGICAL EMERGENCY PREPAREDNESS (REP) PLAN  
(SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION)**

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**RECORD OF REVISIONS**

Revision Number	Effective Date	Date Entered	Signature
5	04-15-93		
6	12-29-94		
7	12-19-96		
8	12-30-97		
9	12-13-99		
10	05-20-04		
11	04/27/06		
12	06/23/09		

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DISTRIBUTION LIST  
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<u>Jurisdiction/Agency</u>	<u>Control Number</u>	<u>Number of Copies</u>
Amateur Radio Emergency Services	069	1
American Red Cross, Matagorda County Chapter	691	1
Bay City		
Mayor	683	1
Police Department	644	1
Public Library Bay City	060	1
Public Works Director	696	1
OXEA	042	1
Department of Homeland Security (FEMA)		
Headquarters	014	1
Region VI, Denton, Texas	071	1
Emergency Medical Services		
Matagorda County Emergency Medical Service	698	1
Independent School District ISD		
Bay City Independent School District, Central Office	701	1
Bay City Independent School District, Transportation Director	685	1
Matagorda Independent School District	686	1

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<u>Jurisdiction/Agency</u>	<u>Control Number</u>	<u>Number of Copies</u>
Independent School Districts ISD (continued)		
Palacios Independent School District	688	1
Tidehaven Independent School District	687	1
Van Vleck Independent School District	072	1
Joint Information Center – Matagorda Hotel	378	1
KKHA Radio	737	1
KMKS Radio	692	1
LyondellBasell	101	1
Matagorda County		
County Judge	682	1
Emergency Operations Center	645	1
Environmental Health	699	1
Matagorda Regional Medical Center	667	1
Office of Emergency Management	046	1
Palacios Community Medical Center	937	1
Precinct Commissioners		
Precinct 1	066	1
Precinct 2	051	1
Precinct 3	040	1
Precinct 4	096	1

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<u>Jurisdiction/Agency</u>	<u>Control Number</u>	<u>Number of Copies</u>
Public Information Officer	106	1
Sheriff	1039	1
Palacios		
City Administrator	684	1
Police Department	647	1
Public Library	112	1
State of Texas		
Department of State Health Services	367	1
Department of Public Safety, Pierce, Texas	360	1
Governor's Division of Emergency Management (GDEM)	571	1
STP Nuclear Operating Company		
Emergency Operations Facility	016	1
Emergency Response Division	205/770	2
Nuclear Support Center Library	900	1
MOF Library	999	1
Records Management Systems	FDC	1
United States Nuclear Regulatory Commission		
USNRC Public Document Desk, Washington D.C.	1078	1
USNRC, Operations Center	1079	1
USNRC, Region IV	564	1
USNRC Public Document Room, Wharton County Junior College	114	1
Volunteer Fire Departments of Matagorda County		
Bay City Volunteer Fire Department	082	1
Blessing Volunteer Fire Department	064	1

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<u>Jurisdiction/Agency</u>	<u>Control Number</u>	<u>Number of Copies</u>
Volunteer Fire Department of Matagorda County (continued)		
Markham Volunteer Fire Department	047	1
Matagorda Volunteer Fire Department	689	1
Midfield Volunteer Fire Department	058	1
Palacios Volunteer Fire Department	690	1
Sergeant Volunteer Fire Department	067	1
Van Vleck Volunteer Fire Department	074	1
Wadsworth Volunteer Fire Department	038	1
Total		57

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2	Communications
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7	Reception Center and Congregate Care Facilities
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**LIST OF PROCEDURES**

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I. Authority

This annex to the Matagorda County, Bay City and Palacios Emergency Management Basic Plan is promulgated under the auspices of the following authorities:

- A. The Texas Disaster Act of 1975, as amended.
- B. Emergency Management Basic Plan for Matagorda County, Bay City and Palacios.
- C. Other applicable authorities cited in the Basic Plan.

II. Purpose

The purpose of this annex is to establish the assignments, systems, and procedures necessary for the governments of Matagorda County to respond to an incident at the South Texas Project Electric Generating Station (STPEGS). This is accomplished by providing for:

- A. Coordination of law enforcement activities to ensure the safety of life and property;
- B. A fire fighting plan to respond to the demands of an emergency;
- C. Coordination of public health and medical services during emergency situations to reduce death and injury and to assist in damage assessment;
- D. Assessment and reporting of damage;
- E. Public works service plans for emergencies when extra measures must be taken to protect lives and property;
- F. A utilities service plan for emergencies when extra measures must be taken to protect lives and property; and
- G. A plan for effective use of human and material resources needed to deal with an emergency.

Purpose statements are included in the Tabs to this Annex.

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This Annex is further specified by procedures.

III. Situation and Assumptions

A. Situation

1. The South Texas Project Electric Generating Station (STPEGS) is a power generation facility using a nuclear fission process to generate steam. The South Texas Project Electric Generating Station (STPEGS) is located approximately 12 miles northeast of the City of Palacios and approximately 14 miles southwest of the City of Bay City in Matagorda County.
2. The South Texas Project Electric Generating Station (STPEGS) Plume Exposure Pathway Emergency Planning Zone (EPZ) is within Matagorda County. (See Figure 1)
3. The governments of Matagorda County, Bay City, and Palacios and the State of Texas are responsible for responding to emergencies at the South Texas Project Electric Generating Station (STPEGS) to protect the public. Such response will be made in concert with government agencies of the State of Texas.
4. The Department of State Health Services (DSHS) will assist the county in matters relating to Fixed Nuclear Facility (FNF) incidents. The Department of State Health Services (DSHS) will serve as the County's technical advisor in matters involving radiation releases by the South Texas Project Electric Generating Station (STPEGS).
5. The Governor's Division of Emergency Management (GDEM) will assist the County in matters related to Fixed Nuclear Facility (FNF) incidents. The GDEM will assist the County by providing resource support and by coordinating the Governor's office response activities.
6. During times of emergency at the South Texas Project Electric Generating Station (STPEGS), law enforcement agencies may be called upon to expand their operations. Matagorda County has arrangements with several federal agencies which can provide support to local agencies as needed.

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7. The following situations apply to health and medical:
  - a) Residents of Matagorda County are vulnerable to radiological releases which could result in a need for emergency health or medical support.
  - b) Emergency medical care is provided by the Matagorda Regional Medical Center and the Palacios Community Medical Center.
8. In Matagorda County a Fixed Nuclear Facility has the potential for causing extensive property damage. In the event damage does occur, damage assessment and reporting is essential for response and recovery operations.
9. Matagorda County is subject to radiological emergencies that could create a need for emergency public works services.
10. Matagorda County is subject to radiological emergencies that could create a need for emergency utility services, which could cause a general detrimental affect on the safety and welfare of the people.
11. Matagorda County is subject to radiological emergencies that require the County to inventory resources on a continuing basis and have procedures to use these resources in a timely manner during an emergency.
12. In order to provide the most effective response to an emergency, all efforts are coordinated through the Matagorda County Emergency Operations Center (EOC) which has been designated as the base for all emergency management activities.
13. There may be occasions when services to special populations are necessary during an emergency situation.
14. Hazardous materials are commonly used, transported, and produced in Matagorda County; hence, hazardous material incidents may occur as the result of natural disasters, human error, or accident.
15. Fire prevention and control are daily problems faced by fire services personnel. These problems become more significant during emergency situations. Severe hazards could result in trapped persons in damaged and collapsed structures, missing persons, and fatalities.
16. Situation descriptions are covered in Tabs to this Annex.

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B. Assumptions

1. In the event of an incident involving an actual or potential release of radiation with exposures exceeding established limits from the South Texas Project Electric Generating Station (STPEGS), Matagorda County officials will be called upon to coordinate an effective response to protect the public.
2. The County may have to act upon its own initiative in the event of an emergency if state, private, and federal resources cannot be mobilized quickly enough to initiate protective response actions.
3. The statistical and demonstrated probability of the plant's experiencing an incident severe enough to involve the public is extremely low.
4. The state and federal governments will provide certain specialized services which the County cannot provide, such as radiation monitoring and dose evaluation.
5. The Department of State Health Services (DSHS) will advise Matagorda County officials if and when protective actions are necessary, but the decision to implement those protective actions remains the sole responsibility of the County Judge or Emergency Commissioner.
6. Local law enforcement personnel will generally be able to provide adequate police control. If local capabilities are exceeded, support will be available from any of several state and federal law enforcement groups. Bay City and Palacios Police Chiefs will provide support for evacuation as directed by the County Judge or Emergency Commissioner.
7. The following assumptions apply to health and medical:
  - a) Although some health-related problems can be associated with radiological emergencies, there is an adequate local capability to meet most emergency situations. When necessary, support will be available from state and federal agencies through the District Disaster Committee, located at the Department of Public Safety in Pierce, Texas.
  - b) The public may require guidance concerning how best to avoid health hazards created by the disaster or arising from conditions existing in the affected area during the recovery and rehabilitation phase.

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8. The timely and accurate assessment of damage to private and public property will be of vital concern to local officials following a disaster and will have great bearing upon the manner in which recovery is effected in Matagorda County.
9. The following assumptions apply to Public Works/Engineering:
  - a) All Public Works equipment and personnel will be available to manage an anticipated emergency.
  - b) Local contractors have resources to assist Public Works recovery efforts.
  - c) Assistance will be available from outside the jurisdiction.
  - d) Repair and restoration of essential services and vital facilities is possible and such that Public Works can reasonably be expected to accomplish this task.
10. The following assumptions apply to Utilities:
  - a) All Utility equipment and personnel will be available to manage an anticipated emergency.
  - b) Repair and restoration of essential services and vital facilities are possible and such that Utilities can reasonably be expected to accomplish this task.
  - c) The primary responsibility of Utilities will be the maintenance and restoration of Utility services.
  - d) Utility services have the capability to accept emergency increased demands.
  - e) Private Utility companies will cooperate with and assist Matagorda County government services.
11. The following assumptions apply to resource management:
  - a) Shortages in the County response resources may occur in any emergency that lasts longer than 24 hours.
  - b) Matagorda County professionals and paraprofessionals, private contractors, and volunteer agencies will be willing and able to assist the community during an emergency.

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- c) Volunteers will assist as needed.
  - d) Support will be available through requests to state and federal agencies.
  - e) Matagorda County agencies will support emergency resource management actions.
12. The response activities presented are applicable to radiological emergency situations and will provide adequate direction for proper emergency management.
13. The following assumptions apply to human services:
- a) There will be instances where the complete Reception Center/Congregate Care operation will not be implemented; however, people who would not normally be clients of local and State human service agencies may require some form of public assistance under emergency conditions.
  - b) The American Red Cross will provide assistance to evacuees.
  - c) Other professional/volunteer organizations which normally respond to an emergency will do so.
  - d) Churches and Church groups are a vital community resource and will function as support organizations to provide assistance.
14. The following assumptions apply to hazardous materials responses:
- a) Disasters involving hazardous materials are usually confined to a localized area and actions must be taken to contain resultant spills as promptly as possible.
  - b) Rapid communication channels must be utilized to inform responsible officials for emergency response.
  - c) The resources of industry, local, state, or federal government, separately or in combination, may be required to manage the situation, dependent on the magnitude, nature, and area threatened.



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15. A trained, equipped, organized rescue service will provide the capability to conduct search and rescue operations, suppress and minimize loss of life, shore up and stabilize weakened structures, release trapped persons, and locate the missing and dead.
16. Existing fire personnel and equipment will be capable of managing most emergency situations. When additional support is required, assistance can be obtained from state and federal agencies.
17. Additional assumptions are covered in their respective Tabs to this Annex.

IV. Concept of Operations

A. General

1. The County Judge, or the Emergency Commissioner, will direct the operations of the County's emergency response forces.
2. The County Sheriff will direct the law enforcement operations.
3. The Mayors of Bay City and Palacios will direct the operations of the emergency response forces of their respective cities, under direction of the County.
4. An individual shall be designated by each Department identified by this Plan to report to the County Emergency Operations Center (EOC) when notified.
5. Each department, agency or group shall develop a staff training program to ensure that sufficient trained personnel are available to provide essential emergency service throughout a protracted 24-hour operation.
6. Periodic drills and exercises will be held to provide training and demonstrate effectiveness or proficiency in performing an assigned task or function. Participation in the drills and exercises is a necessity for emergency response personnel. Department heads are responsible for ensuring that applicable personnel are trained and participate in the drills and exercises as scheduled with the state, the South Texas Project Electric Generating Station (STPEGS), and/or a regulatory agency of the federal government.

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7. Departments, agencies and groups of the county and cities of Matagorda County shall ensure that sufficient trained staff, supplemented by trained volunteers if necessary, are available to support an extended 24-hour per day emergency operation.
8. All political jurisdictions within the County will coordinate their activities, operations, and informational functions through the office of the County Judge.
9. Phases of emergency management for alerting and notification, communications, evacuation, protective action, public information, Reception Center/Congregate Care, and transportation are covered in Tabs to this Annex. Phases of emergency management for other activities are provided in Figure 2.

**B. Emergency Operations Center (EOC)**

1. The Matagorda County Emergency Operations Center (EOC) is in the Matagorda County Sheriff's Office in Bay City. The alternate Emergency Operations Center (EOC) is in the Matagorda County Courthouse in Bay City.
2. The County Judge, Emergency Commissioner, Sheriff or the Emergency Management Coordinator, or his alternate will direct the set up and partial activation or full activation of the Matagorda County Emergency Operations Center (EOC) upon notice of declaration of an Alert at the South Texas Project Electric Generating Station (STPEGS). Full EOC activation will be initiated upon declaration of a Site Area Emergency, and at such other times as, in the opinion of the Judge or his alternate, it is advisable to do so to coordinate emergency response actions within Matagorda County.
3. The County and all cities will coordinate their operations with the Matagorda County Emergency Operations Center (EOC).
4. The County Judge or Emergency Commissioner shall communicate with the South Texas Project Electric Generating Station (STPEGS) EOF to coordinate emergency actions, as appropriate.

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V. Assignment of Responsibilities

The following responsibilities and tasks are critical to Fixed Nuclear Facility response operations. The individuals assigned are responsible for developing and maintaining procedures and training programs necessary to perform the assigned tasks, and demonstrating proficiency through participation in periodic drills and exercises. The assignments are as follows:

<b>Tasks</b>	<b>Assigned To</b>
A. Direction and Control	Matagorda County Judge (Emergency Management Director) Mayors of Bay City and Palacios Emergency Management Coordinator County Commissioners Matagorda County Sheriff
1. Direct the operations of governmental forces.	
2. Make emergency policy decisions and request from the state a Declaration of a State of Emergency or Disaster.	
3. Provide for emergency expenditures.	
4. Request assistance from state, federal and volunteer organizations.	
5. Provide and authorize information and instructions to the public.	
6. Receive Protective Action Recommendations (PARs) from the South Texas Project Electric Generating Station (STPEGS) Emergency Director and/or the Department of State Health Services (DSHS).	
7. Instruct the public as to what protective actions need to be accomplished.	
8. Cooperate with the state and the South Texas Project Electric Generating Station (STPEGS) in completing exercises, drills, and training programs as required or as requested to assure emergency response and preparedness capabilities.	
9. Approve radiological exposures to personnel under their respective direction in excess of Environmental Protection Agency (EPA) and/or Department of State Health Services (DSHS) limits.	

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10. Identify special populations and special facilities that may require assistance in transportation, evacuation or other aid during a declared emergency at the South Texas Project Electric Generating Station (STPEGS).
11. Assist the South Texas Project Electric Generating Station (STPEGS) onsite personnel in the event of a site evacuation as requested by the Emergency Director at the South Texas Project Electric Generating Station (STPEGS).

**B. Communications** Matagorda County Sheriff  
Communications Officer

1. Maintain 24-hour communications capability.
2. Receive and authenticate notifications and information received from the South Texas Project Electric Generating Station (STPEGS) or from the Disaster District, Department of Public Safety, Pierce, and disseminate as appropriate.
3. Maintain contact with the Texas Department of Public Safety, Disaster District Sub 2C Headquarters, Pierce, throughout the course of an incident.
4. Conduct monthly tests of the communications systems with the state and with the South Texas Project Electric Generating Station (STPEGS).
5. Participate in radiological and communications emergency annual training and periodic drills and exercises with the state and/or the South Texas Project Electric Generating Station (STPEGS).
6. Develop primary and alternate communications systems to interlink the South Texas Project Electric Generating Station (STPEGS), and State Emergency Operations Center (EOC), with the Matagorda County Emergency Operations Center (EOC) and other emergency response organizations.
7. Notifying the Matagorda County Emergency Response Organization of emergency conditions at South Texas Project Electric Generating Station.



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- c) Protective measures, e.g., evacuation routes and Reception Centers/Congregate Care Facilities, respiratory protection;
  - d) Assistance to special populations; and
  - e) EAS frequencies.
2. Means to accomplish this distribution may include, but are not limited to:
- a) Information in the telephone book\*;
  - b) Posting in public areas;
  - c) Publications distributed on an annual basis; and,
  - d) Brochures\*.
- \*Note: At a minimum, annual delivery of written material to residents and transients within the EPZ.
3. Distribute updates to the public information and media information programs at least annually. The program and updates shall include provisions for permanent and transient populations within the Plume Exposure Pathway Emergency Planning Zone (EPZ), and shall provide for distribution to those persons who are hearing impaired, or vision impaired.
4. Maintain a program to inform the public of actions being taken by their governing officials in the emergency preparedness and emergency management program areas.
5. Establish and conduct an annual training program for the press and broadcast media to acquaint them with the emergency management plans, information concerning radiation, and points of contact for releases of public information during an emergency. The media training program shall be coordinated with the county, state, and the South Texas Project Electric Generating Station (STPEGS).
6. Establish procedures to verify emergency notification information thus establishing the authenticity prior to release to the public.













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- M. Radiological Exposure Control Environmental Health Director (or designee)
1. Obtain, maintain, and distribute personal dosimetry, KI, protective equipment and monitoring equipment, as required. Figure 3 is a list of typical emergency radiological equipment and supplies. The South Texas Project (STP), in accordance with STP procedure OPGP05-ZV-0012, provides and maintains radiological equipment and supplies for Matagorda County.
  2. Exposure control is primarily the function of the State of Texas Department of State Health Services (DSHS), including recommendations to use, and provisions for radioprotective drugs; however, the County Environmental Health Director will provide radiological monitoring assistance and dosimetry issue and control.
  3. Ensure radiological equipment is inspected, inventoried and operationally checked at least once every calendar quarter and after each use.
  4. Provide dosimetry for county personnel working in a radiological environment. Dosimeters will be read at frequencies specified by State guidelines. Dose records of emergency workers will be maintained in accordance with State guidelines.
  5. Provide county personnel a briefing on the proper use of dosimetry, KI, and appropriate radiological exposure control measures.
  6. Direct Reading Dosimeter should be read approximately every 30 minutes or as directed by the assigned supervisor.
  7. Provide guidance in monitoring decontamination of personnel and facilities.
  8. Identify decontamination facilities, as required.
  9. Turn over decontamination waste to the South Texas Project Electric Generating Station (STPEGS).
- N. Continuity of Operations
- Matagorda County Judge  
Emergency Commissioner  
Mayor of Bay City  
Mayor of Palacios
1. Each of the chief executives will assure the continuity of their jurisdiction's operational capability by establishing lines of succession for key officers and themselves.
  2. The lines of succession for chief executives are established in Section IX of the Emergency Management Basic Plan for Matagorda County, Bay City and Palacios.

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- O. Evacuation
- Matagorda County Judge  
(Emergency Management Director)  
County Commissioners  
Mayor of Bay City  
Mayor of Palacios  
Emergency Management Coordinator
1. Define responsibilities of city/county departments and private sector groups.
  2. Identify high hazard areas and number of potential evacuees.
  3. Coordinate evacuation planning to include:
    - a) Movement control
    - b) Health/medical requirements
    - c) Transportation needs
    - d) Emergency Public Information (EPI) materials
    - e) Procedures for accountability of people in an evacuated area and evacuation of special facilities.
- P. Reception Centers and Congregate Care Facilities
- American Red Cross Director
1. Plan and direct Reception Centers and Congregate Care Facilities occupancy, including preparation for radiological emergencies, and providing appropriate living space for each registered person. Maintain and update reception center and shelter maps which are maintained on file in the Emergency Operations Center.
  2. Provide organized Reception Center and Congregate Care leadership, selection, and training of staffs.
  3. Coordinate with schools, churches, building owners, civic organizations and others for use of their personnel and/or facilities.

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4. Direct filling of Reception Centers and Congregate Care Facilities, overloading if required, movement between Reception Centers and Congregate Care Facilities, evacuation of persons from endangered Reception Centers and Congregate Care Facilities, and final closure.
5. Coordinate communications requirements between the Reception Centers and Congregate Care Facilities and the Emergency Operations Center (EOC).
6. Establish Reception Center and Congregate Care Facility reporting procedures.
7. The Environmental Health Department supervises the monitoring and decontamination activities at the Reception Center.

VI. Emergency Classifications

Incidents occurring at the South Texas Project Electric Generating Station (STPEGS) will be classified by the terms described below. Specific County actions are given in each individual position procedure. General County actions are given for the emergency classification. The classifications are listed in ascending order of severity.

A. UNUSUAL EVENT

1. Description

Indicates that unusual events are in process or have occurred which indicate a potential degradation of the level of safety of the station or indicate a security threat to facility protection has been initiated. No release of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.

2. Actions

Upon receiving and authenticating, as needed, an "UNUSUAL EVENT" notification from the South Texas Project Electric Generating Station (STPEGS) official, the Sheriff's Office Dispatcher shall notify the County Emergency Response personnel in accordance with procedure.

Response shall be in accordance with individual position procedures and as directed by the Emergency Management Director or Emergency Management Coordinator.

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**B. ALERT**

1. Description

Indicates events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the station or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the Environmental Protection Agency (EPA) Protective Action Guideline (PAG) exposure levels.

2. Actions

Upon receiving and authenticating, as needed, an "ALERT" notification from the South Texas Project Electric Generating Station (STPEGS), the Sheriff's Office Dispatcher, or the EOC, if activated, will disseminate the information in accordance with procedure.

Response shall be in accordance with individual position procedures and as directed by the Emergency Management Director or Emergency Management Coordinator.

**C. SITE AREA EMERGENCY**

1. Description

Indicates events are in process or have occurred which involve an actual or likely major failure of station functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed Environmental Protection Agency (EPA) Protective Action Guideline (PAG) exposure levels beyond the site boundary.

2. Actions

Upon receiving and authenticating, as needed, a "SITE AREA EMERGENCY" notification from the South Texas Project Electric Generating Station (STPEGS), the Sheriff's Office Dispatcher or, if the EOC is activated, the Communications Officer will disseminate the information according to procedure.

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Matagorda County officials will advise the public of the situation via the broadcast media and will provide support at the plant as requested. Primary response forces will preposition themselves to initiate protective actions if recommended by the County Emergency Management Director, and will provide support at the plant as requested.

**D. GENERAL EMERGENCY**

**1. Description**

Indicates events are in process or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed Environmental Protection Agency (EPA) Protective Action Guideline (PAG) exposure levels offsite for more than the immediate site area.

**2. Actions**

Upon receiving and authenticating, as needed, a "GENERAL EMERGENCY" notification from the South Texas Project Electric Generating Station (STPEGS), the Sheriff's Office Dispatcher or, if the county EOC is activated, the Communications Officer will disseminate the information according to procedure.

Public notification procedures will be initiated according to the protective actions recommended by the County Emergency Management Director. If evacuation is recommended, Reception Center and Congregate Care procedures will be initiated.

**E. RECOVERY/RETURN**

**1. Description**

Recovery refers to the reduction of hazardous material levels in the environment to acceptable levels for return by the general public for unconditional occupancy or use. Return refers to the reoccupation of areas cleared for unrestricted use by previously evacuated or relocated public. Return includes all associated activities such as when public may return and by what routes, as well as what actions public should take upon return.



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2. Actions

The recovery actions for a radiological emergency discussed here are extensions of the Post-Emergency Actions in Section VI. C.5 of the Basic Plan. Recovery actions include, but are not limited to the following:

<b>Actions</b>	<b>Responsibility</b>
a) Provide protective action recommendations when the area is available for recovery and return.	Department of State Health Services (DSHS)
b) Determine that the return is appropriate for the time and situation	County Judge
c) Disseminate return notifications and instructions to the public.	County Judge
d) Participate in media briefing(s).	Public Information Officer
e) Coordinate recovery and cleanup, and monitor operations in the return area, as appropriate.	Environmental Health Director or designee

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VII. Support

- A. The County Judge or the Mayors may request state or federal assistance by contacting the Disaster District Sub 2C Headquarters, Pierce, stating the situation and specifying what assistance is required.
- B. Operations chiefs, such as those in charge of fire, police, and rescue services, shall coordinate their assistance requests through their chief executives in order to reduce response time.
- C. Requests should specify:
  - 1. The type of resources needed
  - 2. The quantity needed
  - 3. The purpose for which it is needed
  - 4. The individual to whom it should be dispatched, and
  - 5. The location to which it should be dispatched.

VIII. Direction and Control

A. Fire Protection and Rescue

Routine Operations will be handled by Standard Operating Procedures (SOPs). During major emergency situations, which require County Emergency Operations Center (EOC) activation, the senior fire person on the scene from the first responding fire department will be in charge of fire suppression or other emergency activities at the scene and report to the Fire Services Coordinator, if the position is activated. If the Fire Services Coordinator position is not activated, then the Emergency Management Director/Coordinator will direct the following activities instead of the Fire Services Coordinator. The Fire Services Coordinator will establish and maintain communications with the Incident Command System, and in conjunction with the National Incident Management System direct emergency operations in coordination with other responding agencies. If local capabilities are exceeded, the Fire Services Coordinator will request outside assistance with the approval of the Emergency Management Director. Outside assistance will be provided from state or federal sources.

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**B. Law Enforcement**

Routine operations will be handled by standard operating procedures (SOPs). During major emergency or disaster situations, which require Matagorda County Emergency Operations Center (EOC) activation, the Matagorda County Sheriff or designee will be the Chief Law Enforcement Officer responsible for coordinating all emergency law enforcement operations within the jurisdiction from the County Emergency Operations Center (EOC). An incident command post(s) may be established. The senior Law Enforcement person on the scene will be in charge of law enforcement activities at the scene and report to the Chief Law Enforcement Officer in the Emergency Operations Center (EOC). The Chief Law Enforcement Officer will establish and maintain communications with the onsite incident commander. In conjunction with the National Incident Management System the Chief Law Enforcement Officer directs emergency operations from the Emergency Operations Center (EOC) in coordination with other responding agency representatives in the Emergency Operations Center (EOC). If local capabilities are exceeded, the Chief Law Enforcement Officer will request outside assistance from the Emergency Management Director. Outside assistance may be provided from state or federal sources.

**C. Health and Medical**

The Hospital Administrators have primary responsibility for gathering information concerning injuries and fatalities resulting from emergency occurrences. Since accurate information concerning casualties is essential in identifying required levels of medical support, information of this type must be forwarded to the District Disaster as soon as it is available.

**D. Damage Assessment**

Following emergency situations, the appropriate local officials will coordinate all damage assessment activities. When directed by the County Judge, a damage assessment team will be assembled. Once surveys of the affected area have been completed, the results will be reported to the County Judge. It is imperative that accuracy be maintained in compiling Damage Assessment Reports so that local officials can judge the need for requesting state and federal assistance. If a determination is made that state and/or federal assistance is needed, then a Disaster Summary Outline will be forwarded to the Governor's Division of Emergency Management (GDEM).

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E. Public Works/Engineering

The usual supervisors will exercise operational control of Public Works forces with the Precinct Commissioner maintaining overall management of equipment and personnel. The Commissioner will set priorities for resources and coordinate activities with the Emergency Operations Center (EOC).

The Precinct Commissioner will coordinate the call and deployment of mutual aid forces and volunteer/auxiliary forces. Mutual aid forces will operate under the direct supervision of their own supervisors while volunteer/auxiliary forces will work under the supervision of the senior Public Works official in the jurisdiction where they are deployed.

F. Utilities

1. The usual supervisors will continue their day-to-day responsibility during an emergency, exercising operational control of Utility forces. When the Emergency Operations Center (EOC) is activated, a Utilities representative will report to the Emergency Operations Center (EOC), if requested. The Emergency Management Coordinator or designee shall maintain overall management of equipment and personnel and shall set priorities for resources and coordinate activities with the Emergency Operations Center (EOC).
2. The Emergency Management Coordinator or designee will coordinate the request for deployment of mutual aid forces and volunteer/auxiliary forces. Mutual aid forces will operate under the direct supervision of their own supervisors. Volunteer and auxiliary forces will work under the supervision of the senior Utility official where they are deployed.

G. Resource Management

1. The Emergency Management Director serves as the overall authority for resource management.
2. The department heads and supervisors continue their day-to-day responsibilities during an emergency, exercising operational control of their work forces. They will keep the Emergency Management Director or his designee informed of resource requirements and coordinate emergency resource requests. To the extent practical, potential resource shortages will be projected, identified and made known to the Emergency Management Director or his designee.

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3. Priorities for resource allocation will be established by the Emergency Management Director and Emergency Management Coordinator.
4. The Emergency Management Director may designate private citizens to coordinate resources obtained from the private sector but retains overall responsibility.
5. Direction and control for activities addressed by the Tabs of this Annex are covered in the respective Tabs.

**IX. Administration**

**A. Fire Protection and Rescue**

**1. Communications**

Communications are established from each fire department to the County Emergency Operations Center (EOC). Each fire department maintains an internal call roster.

**2. Resources**

Each fire department maintains a listing of their available resources.

**B. Law Enforcement**

**1. Entry into Evacuated Areas**

A County emergency procedure has been established to identify authorized people and vehicles in an evacuated area.

**2. Communications**

The law enforcement personnel will establish communications with the County Emergency Operations Center (EOC). Each law enforcement agency will maintain an internal call roster.

**3. Resources**

Each law enforcement agency will maintain a list of available resources.

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C. Health and Medical

Health and medical services will participate as required in drills and exercises conducted by the Matagorda County Office of Emergency Management or Disaster District Committee. Additional drills and exercises may be conducted by various agencies and services for the purpose of developing and testing abilities to make effective response to various types of emergency.

D. Damage Assessment

1. Records and Team Reports

a) Survey Team Reports

Each damage survey team will collect field data. This data will be forwarded to the appropriate personnel.

b) Damage Assessment Report

A Damage Assessment Report should be utilized to determine priorities for beginning repairs and evaluating the need for requesting state and federal assistance.

2. Release of Assessment Information

Private appraisers, insurance adjusters, and others may obtain damage assessment reports from the designated coordinator with the consent of local authorities. Accurate information will be provided to the state for release to the federal agencies in a timely and effective manner.

E. Public Works and Engineering

1. Administration

a) The timely and efficient response of Public Works forces will require coordination between field forces and the Emergency Operations Center (EOC). Priorities assigned by the Precinct Commissioner will facilitate an orderly use of Public Works forces.

b) The Commissioner's Court shall develop procedures for the emergency hiring of private contractors and individuals to assist in response and recovery.

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2. Supply and Support
  - a) A preplanned list will be prepared with stock-level requirements.
3. The Precinct Commissioner will establish communications with the Emergency Operations Center (EOC).

F. Utilities

1. Administration
  - a) The timely and efficient response of Utility forces will require coordination between field forces and the Emergency Operations Center (EOC). Priorities will be assigned by the Emergency Management Coordinator or designee to facilitate an orderly use of Utility forces.
2. Support
  - a) Emergency requests shall be coordinated through the Emergency Operations Center (EOC).
  - b) The Emergency Management Coordinator or designee may purchase equipment, supplies and personnel services to support response and recovery efforts, subject to approval by the Emergency Management Director.
  - c) Adequate records of all purchase, costs and expenses incurred in direct support of an emergency will be maintained to support subsequent reimbursement claims and to critique the operation.

3. Communications

The Utilities will establish communications with the Emergency Operations Center (EOC). An internal call roster will be maintained by the Office of Emergency Management.

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G. Resource Management

1. Administration

- a) Emergency requests shall be coordinated through the Emergency Operations Center (EOC).
- b) Through the Department Heads, the Emergency Management Director or his designee shall maintain and retain adequate records of all emergency related purchases, costs, and expenses incurred in order to support subsequent reimbursement claims and to critique the operation. Conventional accounting methods will be used.

2. Support

- a) In cooperation with Department Heads, the Emergency Management Director or his designee is responsible for agreements and understandings with private organizations.
- b) The Emergency Management Director or his designee may initiate mutual aid agreements pertaining to resource support with neighboring jurisdictions.
- c) The Emergency Management Coordinator or his designee will advise the Emergency Management Director on the need and timeliness of requests for state or federal resource assistance.

H. Administrative Requirements

Administrative requirements associated with topics covered by Tabs to this Annex are covered in the respective tabs.



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I. Procedures

The following listed procedures are applicable to Annex W, Fixed Nuclear Facilities Response and are to be implemented, as appropriate, in the event of a declared emergency at the South Texas Project Electric Generating Station (STPEGS).

Direction and Control

Procedure 10, Emergency Management Director  
Procedure 11, Emergency Management Coordinator  
Procedure 12, EOC Administrative Assistant  
Procedure 13, EPC Concept of Operations and Activation  
Procedure 14, Protective Action Guides

Law Enforcement and Traffic Control

Procedure 20, Sheriff's Office Dispatcher  
Procedure 21, Communications Officer  
Procedure 22, Warning and Evacuation/Traffic and Access Control  
Procedure 23, Activation of the Public Warning System  
Procedure 24, Matagorda County Sheriff

Fire and Rescue

Procedure 30, Fire Services Coordinator

Health and Medical Services

Procedure 40, Hospital Administrators  
Procedure 41, Environmental Health Director  
Procedure 42, Exposure Control for Emergency Workers

Transportation

Procedure 50, Transportation Officer

Public Information

Procedure 60, Public Information Officer  
Procedure 61, KMKS Radio Operations  
Procedure 62, KKHA Radio Operations  
Procedure 63, Emergency Alert System Messages and News Advisories  
Procedure 64, National Weather Services

Reception Centers

Procedure 70, American Red Cross Director  
Procedure 71, Reception Center Operations (American Red Cross)  
Procedure 72, Reception Center Operations (Environmental Health Department)

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X. Resources Management

Section VIII of the Emergency Management Plan addresses resource management. In addition, the interrelationship of the Emergency Response Organization is addressed in the Basic Plan in Attachment 11, 12, 13, 14, 15, and 16.

XI. Lines of Succession

Each operations manager assigned a responsibility in this Annex shall establish a line of succession to assure continuity of operations. Those lines of succession are contained within the respective department policies and procedures.

XII. Implementation

This Annex including all Tabs, Attachments, and Procedures, is considered part of the Basic Plan.

An annual review and update of this Annex, associated Tabs, and Procedures will be accomplished as a part of the annual review and update of the Basic Plan.

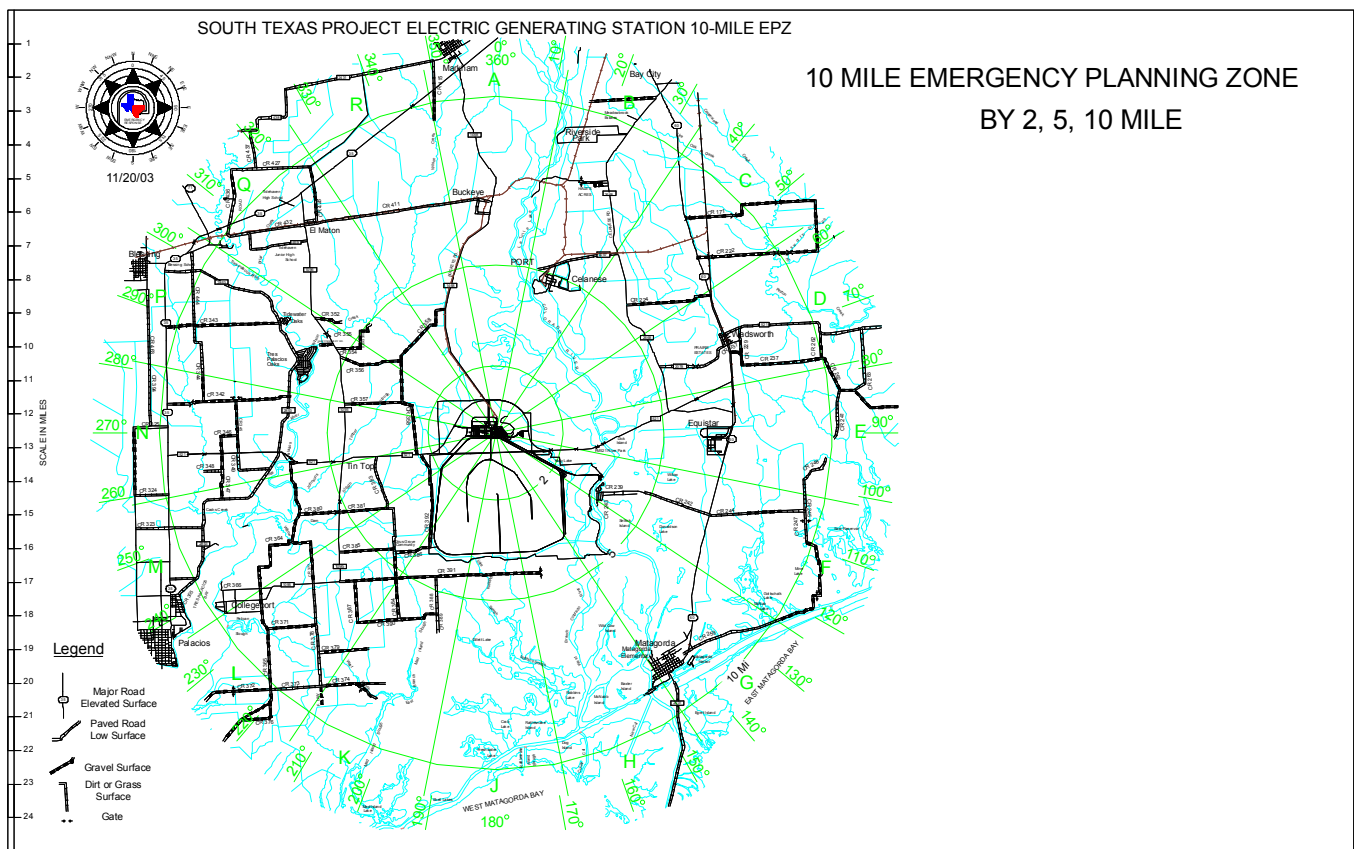
The annual review will include the results of actual use, drill and exercise critiques, and changes to regulations or law. The annual review is the responsibility of the Matagorda County Emergency Management Coordinator.

Approved: Signature on File\_\_\_\_\_

Date: 06/23/09\_\_\_\_\_

# EMERGENCY MANAGEMENT PLAN FOR MATAGORDA COUNTY, BAY CITY, AND PALACIOS

Figure 1  
10 Mile South Texas Project Electric Generating Station (STPEGS)  
Plume Exposure Pathway Emergency Planning Zone (EPZ) Map  
(Page 1 of 1)  
(Typical)



NOTE: Actual full size map is maintained on file in the Emergency Operations Center.

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Figure 2  
Concept of Operations  
Phases of Emergency Management  
(Page 1 of 7)

- A. Law Enforcement
  - 1. Mitigation
    - a. Provide plan review and updating.
  - 2. Preparedness
    - a. Prepare plans for traffic and access control points.
    - b. Develop adequate communications systems for emergencies.
    - c. Provide training of primary and auxiliary personnel.
  - 3. Response
    - a. Maintain law and order.
    - b. Operate a local warning system.
    - c. Provide security for key facilities.
    - d. Patrol evacuated areas.
    - e. Provide back-up communications for Reception Center/Congregate Care Facility operations.
    - f. Provide traffic and crowd control.
    - g. Control access to restricted area.
  - 4. Recovery
    - a. Continue response operations.
    - b. Assist in damage assessment.
- B. Health and Medical
  - 1. Mitigation
    - a. Provide specialized training.
  - 2. Preparedness
    - a. Maintain medical supplies.
    - b. Coordinate with County officials to ensure water quality.
    - c. Coordinate with County officials to provide safe waste disposal.
    - d. Develop emergency plans for laboratory activities regarding examination of food and water, diagnostic tests, and identification, registration and disposal of the deceased.

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Figure 2  
Concept of Operations  
Phases of Emergency Management  
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3. Response
    - a. Provide for sanitation activities.
    - b. Provide a potable water supply.
    - c. Provide environmental health activities regarding waste disposal, refuse, food and water control.
  4. Recovery
    - a. Continue response activities, as needed.
    - b. Compile health reports for state and federal officials.
    - c. Identify potential or actual continuing hazards affecting public health and offer appropriate guidance for mitigation of harmful affects.
- C. Damage Assessment
1. Mitigation  
None
  2. Preparedness
    - a. Identify Damage Assessment Team members.
  3. Response
    - a. Collect damage information.
    - b. Compile damage assessment reports.
    - c. Complete disaster summary outline.
  4. Recovery
    - a. Monitor recovery activities.
- D. Public Works/Engineering
1. Mitigation
    - a. Train personnel in emergency procedures.
  2. Preparedness
    - a. Ensure that adequate barrier and roadblock materials and equipment are available.
    - b. Review and update all Utility and Public Works maps of Matagorda County.
    - c. Review emergency staffing plans.
    - d. Place standby equipment in operational readiness.
    - e. Coordinate communications procedures with Emergency Operations Center (EOC).
    - f. Review contingency plans and coordinate task assignments with other agencies and volunteer groups.
    - g. Develop procedures to support accomplishment of tasks outlined in this Annex.

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Figure 2  
Concept of Operations  
Phases of Emergency Management  
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3. Response
    - a. Survey disaster areas and evaluate in terms of engineering estimates.
    - b. Maintain contact with Emergency Operations Center (EOC).
    - c. Repair Emergency Operations Center (EOC) facilities and equipment, as necessary.
    - d. Assess damage.
    - e. Clear roads, as necessary.
    - f. Barricade evacuated areas, as directed.
    - g. Call out private contractors and other assistance, as necessary.
    - h. Assist in search and rescue operations, as directed.
  4. Recovery
    - a. Repair public works and buildings.
    - b. Support decontamination work, as necessary.
    - c. Participate in compiling after-action report and critiques. Suggest necessary changes and improvements in the Emergency Management Plan.
- E. Utilities
1. Mitigation
    - a. Train personnel in emergency procedures.
    - b. Identify any private contractors useful for support during emergencies.
  2. Preparedness
    - a. Review emergency plans and procedures.
    - b. Review Utility capabilities status; take necessary action.
    - c. Review and update Utility Emergency Plans.
    - d. Review emergency staffing plan.
    - e. Place standby equipment in operational readiness.
    - f. Review communications procedures with Emergency Operations Center (EOC).
    - g. Review procedures to support accomplishment of task outlined in this Annex.

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Figure 2  
Concept of Operations  
Phases of Emergency Management  
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3. Response
  - a. Maintain contact with Emergency Operations Center (EOC).
  - b. Maintain Emergency Operations Center (EOC) utilities, as necessary.
  - c. Repair and restore essential services and vital utility services, as required.
  - d. Assess damage; survey disaster area, and evaluate in terms of utility estimates.
  - e. Secure assistance of private contractors, request aid from other jurisdictions and from the private sector as needed.
  - f. Effect movement of equipment and supplies as required.
  - g. If shortages or overload conditions appear imminent, the Emergency Management Coordinator, in coordination with the Emergency Operations Center (EOC) executive group, will initiate curtailment procedures.
  - h. Install or restore service to refugee locations without utility service.
  - i. Ration utility usage if necessary.
  
4. Recovery
  - a. Perform repairs, as necessary.
  - b. Support decontamination work, as necessary.
  - c. Coordinate private and volunteer aid.
  - d. Replace damaged or destroyed Utilities' equipment.
  - e. Participate in after-action report and critiques. Suggest necessary changes and improvements for the Emergency Management Plan.
  - f. Restore normal services.
  
- F. Resource Management
  1. Mitigation
    - a. Analyze resource requirements.
    - b. Designate areas of responsibility for providing resource management support.
  
  2. Preparedness
    - a. Identify sources of equipment, manpower and transportation.
    - b. Prepare and update resources list.
    - c. Coordinate resources with other agencies and volunteers in order to maintain adequate reserves.
    - d. Establish emergency purchasing procedures.

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Figure 2  
Concept of Operations  
Phases of Emergency Management  
(Page 5 of 7)

3. Response
  - a. Establish priorities and allocate resources.
  - b. Coordinate delivery of resources to response teams and disaster victims.
  - c. Coordinate local efforts with other agencies.
  - d. Maintain records of emergency-related expenditures, services, and resources rendered during emergencies.
  
4. Recovery
  - a. Assess recovery needs.
  - b. Estimate costs of providing resources.
  - c. Assess impact of emergency on available resources, and identify repair, maintenance, and replenishment needs.
  - d. Set priorities on available resources.
  - e. Coordinate resource utilization.
  - f. Maintain appropriate records.
  - g. Disseminate public information via the Emergency Management Director regarding resource availability.
  
- G. Human Services
  1. Mitigation
    - a. Identify volunteer groups.
  2. Preparedness
    - a. Identify sources of food and clothing.
    - b. Coordinate responsibilities with other agencies and/or volunteer groups.
  3. Response
    - a. Provide food and clothing as needed.
    - b. Assist registration of evacuees/victims.
    - c. Provide information for victims needing additional services.
  4. Recovery
    - a. Assess continued human needs of victims.
    - b. Inform public of extended care availability.
    - c. Staff Disaster Assistance Center (DAC).



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Figure 2  
Concept of Operations  
Phases of Emergency Management  
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H. Hazardous Materials Response

1. Mitigation
  - a. Conduct hazard identification.
  - b. Develop inspection procedures.
2. Preparedness
  - a. Develop public orientation/education programs.
  - b. Train emergency personnel.
  - c. Identify resources.
  - d. Develop procedures.
3. Response
  - a. Determine hazard potential.
  - b. Evacuate population as necessary.
  - c. Contain and control the area.
4. Recovery
  - a. Monitor/survey to declare area safe.
  - b. Remove contaminants.
  - c. Document event.
  - d. Determine liability.
  - e. Develop reimbursement procedures.

I. Fire Protection and Rescue

1. Mitigation
  - a. Enforce fire code.
2. Preparedness
  - a. Maintain equipment.
  - b. Train fire personnel.
  - c. Develop communications procedures.
  - d. Train rescue squads and EMTs on a regular basis.
  - e. Test, maintain, and repair equipment on a scheduled basis.
  - f. Revise and update response plans at regular intervals.

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Figure 2  
Concept of Operations  
Phases of Emergency Management  
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3. Response
  - a. Contain, control, and extinguish fires.
  - b. Initiate rescue missions as necessary.
  - c. Operate local fire warning system.
  - d. Perform radiological protection measures, as necessary.
  - e. Control hazardous materials incidents within capability - request assistance as needed.
  
4. Recovery
  - a. Perform inspection of restored or reconstructed buildings.
  - b. Perform or assist in decontamination and cleanup, if required.
  - c. Recommend condemnation of unsafe buildings.

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Figure 3  
Emergency Radiological Equipment List (Typical)  
(Page 1 of 1)

Instrument

Survey Meter

Dosimeter 0-200 mR

Dosimeter 0-5R

Dosimeter 0-20R

Electronic Personal Dosimeter (EPD)

Thermoluminescent Dosimeter (TLD)

Chargers

This list is a minimum of needed radiological equipment and is not meant to be all-inclusive.

This list excludes kits used by DPS.

NOTE: 0-20R dosimeters are not required at Reception Centers, Emergency Medical Services (EMS) or at the county hospitals.

Emergency worker supplies may include the following items:

0 to 200 mR direct-reading dosimeter (DRD) 0 to 5 R direct-reading dosimeter (DRD)

0 to 20 R direct-reading dosimeter (DRD) **or**

Electronic Personal Dosimeter

Thermoluminescent Dosimeter (TLD)

Survey meter (1 per Emergency Worker Team)

Potassium Iodide (KI) tablets

Instruction and information sheets for:

- Traffic Control/Access Control Points, Attachment from Annex W, Procedure 22
- Public Warning Messages, Attachment from Annex W, Procedure 22
- Traffic and Access Control Points Entry Logs, Annex W, Procedure 22
- Emergency Worker Radiation Exposure Record
- Use of Potassium Iodide (KI) Instructions
- Emergency Worker Exposure Instructions