



South Texas Project Electric Generating Station

After Action Report

Exercise Date – July 20, 2022

Radiological Emergency Preparedness (REP) Program



FEMA

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EXECUTIVE SUMMARY

On July 20, 2022, a biennial Radiological Emergency Preparedness (REP) Plume Exposure Pathway Exercise, 10-mile Emergency Planning Zone (EPZ), was conducted around the South Texas Project Electric Generating Station (STPEGS) located near Wadsworth in Matagorda County, Texas. The U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Regions 1, 6, 9, Headquarters, and ICF Contract personnel evaluated the exercise. The purpose was to assess the level of preparedness of state and local responders to respond to a simulated radiological emergency at STPEGS. This exercise was held in accordance with DHS/FEMA policies and guidance concerning the implementation of state and local Radiological Emergency Preparedness (REP) plans and procedures.

The previous exercise at this site was a Plume Pathway Zone Exercise conducted on July 28, 2021. The first qualifying emergency preparedness exercise was conducted on April 8, 1987.

DHS/FEMA Region 6 wishes to acknowledge the efforts of the many individuals in the State of Texas, Matagorda County, Federal and Private Sector organizations, and surrounding jurisdictions who participated in this exercise. Protecting the public health and safety is the fulltime job of some of the exercise participants and an additional assigned responsibility for others. Still, they have willingly sought this responsibility by volunteering to provide vital emergency services to their communities. Cooperation and teamwork of all the participants was evident during this exercise.

This report contains the final written evaluation of the biennial exercise. The state and local organizations, except where noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. There were no Level 1 Findings, Level 2 Findings, or Plan Issues identified during the exercise.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

South Texas Project Electric Generating Station

Type of Exercise

Plume Exposure Pathway

Exercise Date

July 20, 2022

Program

Department of Homeland Security/FEMA Radiological Emergency Preparedness Program

Scenario Type

Radiological Emergency

1.2 Exercise Planning Team Leadership

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1.3 Participating Organizations

Agencies and organizations of the following jurisdictions participated in the exercise:

State and Federal Organizations

- Department of Homeland Security – Radiological Operations Support Specialist
- Texas Department of State Health Services
- Texas Division of Emergency Management
- Texas Department of Public Safety
- Texas Search and Rescue
- United States Coast Guard
- National Weather Service

Risk Jurisdictions

- Bay City Police Department
- Bay City Independent School District
- City of Bay City
- City of Matagorda
- City of Palacios
- Matagorda County
- Matagorda County Emergency Medical Services
- Matagorda County HAM Radio Operators
- Matagorda County Sheriff's Office
- Matagorda Regional Medical Center

Private Organizations

- American Red Cross
- South Texas Project Electric Generating Station

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The Department of Homeland Security/Federal Emergency Management Agency Region 6 Office evaluated the exercise on July 20, 2022, to assess the capabilities of local emergency preparedness organizations in implementing their Radiological Emergency Response Plans and Procedures to protect the public health and safety during a radiological emergency involving South Texas Project Electric Generating Station (STPEGS). The purpose of this report is to represent the results and findings on the performance of the offsite response organizations during a simulated radiological emergency.

2.2 Exercise Objectives, Capabilities and Activities

Exercise objectives and identified Capabilities/REP Criteria selected to be exercised are discussed in the Exercise Plan (EXPLAN) Appendix C.

2.3 Scenario Summary

The exercise scenario was developed to evaluate the response of exercise participants to an incident requiring evacuation of the public from the 10-mile Emergency Planning Zone surrounding STPEGS. The exercise scenario provided for the evaluation of the Texas Department of State Health Services (DSHS), Matagorda County, and Local Emergency Services to manage emergency operations, provide, and implement protective action decisions, provide field measurement and analysis, and alert and notify the public.

SECTION 3: ANALYSIS OF CAPABILITIES

3.1 Exercise Evaluation and Results

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities, which participated in the South Texas Project Electric Generating Station (STPEGS) exercise. The exercise was to test offsite emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone (EPZ) surrounding STPEGS.

Each jurisdiction and functional entity were evaluated based on its demonstration of criteria delineated in the exercise evaluation areas as outlined in the REP Program Manual, dated January 2016. Detailed information on the exercise evaluation area criteria and the extent of play agreement used in this exercise are found in Appendix C of this report.

3.2 Summary Results of Exercise Evaluation

The matrix presented in Table 3.2, on the following page, presents the status of all exercise evaluation area criteria from the REP Program Manual that were scheduled for demonstration during the exercise by all participating jurisdictions and functional entities. Exercise evaluation area criteria are listed by number and the demonstration status of those evaluation area criteria is indicated by the use of the following letters or numbers:

M - Met (No Findings assessed and no unresolved Findings from prior exercises)

L1 – Level 1 Finding assessed

L2 – Level 2 Finding assessed or previous unresolved L2 Findings

P - Plan Issue

N - Not Demonstrated

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Tables 3.2 - Summary of Exercise Evaluation

<p style="text-align: center;">Date: 2022-07-20 SITE: South Texas Project Electric Generating Station M: Met, 1: Level 1 Finding, 2: Level 2 Finding, P: Plan Issue, and N: Not Demonstrated</p>			DPS DD Sub-2C	DSHS-RCP EOF	Matagorda Co	JIC Bay City	NWS		
Emergency Operations Management									
Mobilization	1a1	M	M	M	M				
Facilities	1b1	M		M	M				
Direction and Control	1c1	M	M	M					
Communications Equipment	1d1	M	M	M	M				
Equipment and Supplies	1e1	M	M	M	M				
Protective Action Decision Making									
EW Exp. Control Decisions	2a1		M	M					
PARs	2b1		M						
PADs	2b2			M					
PADs for Disabled/Functional Needs	2c1			M					
Ingestion PADs	2d1								
RRR Decisions	2e1								
Protective Action Implementation									
EW Exp. Control Implementation	3a1		M	M					
KI Public/Institutionalized	3b1			M					
PAD Imp. Disabled/Functional Needs	3c1								
PAD Imp. Schools	3c2								
TACP Establishment	3d1			M					
Impediments to Evacuation	3d2			M					
Implementation of Ingestion PADs	3e1								
Ingestion Strategies and Information	3e2								
Imp. of RRR Decisions	3f1								
Field Measurement and Analysis									
RESERVED	4a1								
Field Team Management	4a2		M						
Field Team Operations	4a3								
Field Team Sampling	4b1								
Laboratory Operations	4c1								
Emergency Notification and Public Info									
Initial Alert & Notification	5a1			M			M		
Backup Alert & Notification	5a3								
Exception Area Alerting	5a4								
Subsequent Public Information	5b1			M	M				
Support Operations/Facilities									
Reception Center Operations	6a1								
EW Monitoring & Decontamination	6b1								
Congregate Care	6c1								
Contaminated Injured Transport & Care	6d1								

3.3 Criteria Evaluation Summaries

3.3.1 State and Federal Organizations

3.3.1.1 Texas Department of State Health Services, Radiation Control Program-Emergency Operations Facility

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.a.1, 2.b.1, 3.a.1, and 4.a.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.1.2 Texas Department of Public Safety, Disaster District Sub 2C Pierce

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, and 1.e.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.1.3 National Weather Service, Houston/Galveston

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 5.a.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE

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- d. PLAN ISSUES: NONE
 - e. PRIOR ISSUES – RESOLVED: NONE
 - f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.2 Risk Jurisdictions

3.3.2.1 Matagorda County Emergency Operations Center and Traffic/Access Control Point

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.a.1, 2.b.2, 2.c.1, 3.a.1, 3.b.1, 3.d.1, 3.d.2, 5.a.1, and 5.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.3 Private Organizations

3.3.3.1 Joint Information Center, Bay City

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1., 1.e.1, and 5.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

SECTION 4: CONCLUSION

Based on the results of the virtual drill, the offsite radiological emergency response plans and preparedness for the State of Texas and the affected local jurisdictions are deemed adequate to provide reasonable assurance that appropriate measures can be taken to protect the health and safety of the public in the event of a radiological emergency. Therefore, 44 CFR Part 350 approval of the offsite radiological emergency response plans and preparedness for the State of Texas site-specific to South Texas Project Electric Generating Station will remain in effect.

APPENDIX A: ACRONYMS AND ABBREVIATIONS

Acronym	Description
ARC	American Red Cross
AWIPS	Advance Weather Integrative Processing System
DHS/FEMA	Department of Homeland Security/Federal Emergency Management Agency
DPS	Department of Public Safety
DRD	Direct Reading Dosimeter
DSHS	Department of State Health Services
EAL	Emergency Action Level
EAS	Emergency Alert System
ECL	Emergency Classification Level
EMC	Emergency Management Coordinator
EMD	Emergency Management Director
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPA	Environmental Protection Agency
EPD	Electronic Personnel Dosimeter
EPZ	Emergency Planning Zone
EW	Emergency Worker
EXPLAN	Exercise Plan
FMT	Field Monitoring Team
FTL	Field Team Leader
GE	General Emergency
IC	Incident Commander
IPAWS	Integrated Public Alert and Warning System
JIC	Joint Information Center
KI	Potassium Iodide
MC	Matagorda County
MCEOC	Matagorda County Emergency Operations Center
MSCO	Matagorda County Sheriff's Office
NA	News Advisory
NWS	National Weather Service
OSL	Optically Stimulated Luminescent

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Acronym	Description
PAD	Protective Action Decision
PAG	Protective Action Guides
PAR	Protective Action Recommendation
PDAFM	Person with Disabilities and Access/Functional Needs
PI	Public Inquiry
PIO	Public Information Officer
RCP	Radiation Control Program
REP	Radiological Emergency Preparedness
SA	Spokesperson Area
SAE	Site Area Emergency
SOP	Standard Operating Procedure
STAR	State of Texas Assistance Requests
STEAR	State of Texas Emergency Assistance Registry
STP	South Texas Project
T/ACP	Traffic and Access Control
WCM	Warning Coordination Meteorologist

APPENDIX B: EXERCISE EVALUATORS AND TEAM LEADERS

DATE: 7/20/2022

SITE: South Texas Project

LOCATION	EVALUATOR	AGENCY
Texas Department of State Health Services-Radiation Control Program, Emergency Operations Facility	Tim Pflieger* Denny Wilford	FEMA R6 ICF
Texas Department of Public Safety, Disaster District Sub 2C Pierce	Linda Gee* Misty Chance	FEMA R6 FEMA R6
Matagorda County Emergency Operations Center	Brad DeKorte* Sam Williams LaShawn Halsey Matt Celia	FEMA R6 FEMA R6 FEMA HQ FEMA HQ
Joint Information Center, Bay City	Taneeka Hollins* Alberto Sifuentes Synthia Buice	FEMA R1 FEMA R9 FEMA R6
National Weather Service	Elsa Lopez*	FEMA R6
* Team Leader		

APPENDIX C: EXERCISE PLAN

STATE OF TEXAS and SOUTH TEXAS PROJECT 2022 EVALUATED EXERCISE JULY 20, 2022 EVALUATION AREAS AND EXTENT OF PLAY (EOP) AGREEMENT

FEMA REP EVALUATION AREA 1: EMERGENCY OPERATIONS MANAGEMENT

FEMA REP Sub-element 1.a – Mobilization

Criterion 1.a.1: Off-site Response Organizations (OROs) use effective procedures to alert, notify, and mobilize emergency personnel and activate facilities in a timely manner. (NUREG-0654/FEMA-REP-1, A.1.a, e; A.3, 4; C.1, 4, 6; D.4; E.1, 2; H.3, 4)

Locations:

- Department of Public Safety (DPS) Disaster District Sub-2C Emergency Operations Center (EOC), Pierce, TX
- DSHS RCP at South Texas Project (STP) Emergency Operations Facility (EOF), Bay City, TX
- Joint Information Center (JIC), Bay City, TX
- Matagorda County Emergency Operations Center (MCEOC), Bay City, TX (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: OPERATIONAL COORDINATION (COORDINATION AND CONTROL)

Description: *Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.*

- **Activity 1: Activate EOC/MACC/IOF**
Definition: *In response to activation, perform incident notifications, recall of essential personnel, and stand-up of EOC/MACC/IOF systems to provide a fully staffed and operational EOC. (HSEEP Res.B1c 4, 4.3, 4.4)*
- **Activity 2: Gather and Provide Information**
Definition: *Upon establishing EOC/MACC/IOF operations, gather, organize, and document incident situation and resource information from all sources to maintain situational awareness within the EOC/MACC. (Res.B1C 5.1.1, 5.1, 5.2.2, 5.2.3, 5.1.2, 5.2, 5.2.4)*

Extent of Play:

- DSHS RCP personnel will pre-stage at the RCP staging area in Bay City.
- Regardless of the scenario, no facilities/activities will relocate during this exercise.
- Non-TDEM players will be pre-staged at the SOC. DSHS will be deployed to SOC upon activation via a message inject.

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- Disaster District Committee personnel not stationed at DD Sub-2C EOC may be pre-staged.
 - To allow for maximum amount of play, DSHS-RCP and DSHS-JIC staff will pre-stage in the area.
 - An extra dispatcher will be placed on duty at the Matagorda County Sheriff's office, in Bay City, to handle the regular workload.
 - Non-local TDEM personnel will be pre-staged in the area.
 - Staging Area and Field Team operations will be demonstrated at a later date during the Comanche Peak Exercise.

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FEMA REP Sub-element 1.b - Facilities

Criterion 1.b.1: Facilities are sufficient to support the emergency response. (NUREG-0654/FEMA-REP-1, H.3; G.3.a; J.10.h; J.12; K.5.b)

Locations:

- Department of Public Safety (DPS) Disaster District Sub-2C Emergency Operations Center (EOC), Pierce, TX
- JIC
- MCEOC

Extent of Play:

- None

FEMA REP Sub-element 1.c - Direction and Control

Criterion 1.c.1: Key personnel with leadership roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible. (NUREG-0654/FEMA-REP-1, A.1.d; A. 2.a, b; A.3; C.4, 6)

Locations:

- DDC
- DSHS RCP at STP EOF
- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: OPERATIONAL COORDINATION (COORDINATION AND CONTROL)

Description: *Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.*

- **Activity 1: Direct Emergency Operation Center's Tactical Operations**
Definition: *In response to notification of incident, activate, staff, and organize the EOC/MACC/IOF in accordance with emergency plans and standard operating procedures; plan, direct, and coordinate information and activities internally within EOC/MACC/IOF functions, and externally with other multi-agency coordination entities and the public information system; coordinate logistical support to maintain an operationally functioning EOC/MACC/IOF until deactivation. (HSEEP Res.B1c 3.1, 3.1.1, 3.3.1, 3.3.3)*

Extent of Play: None

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FEMA REP Sub-element 1.d – Communications Equipment

Criterion 1.d.1: At least two communication systems are available, at least one operates properly, and communication links are established and maintained with appropriate locations.

Communications capabilities are managed in support of emergency operations. (NUREG-0654/FEMA-REP-1, F.1, 2)

Locations:

- DDC
- DSHS RCP at STP EOF
- JIC
- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: OPERATIONAL COMMUNICATIONS

Description: *Ensure the capacity for timely communications in support of security, situational awareness, and operations by any and all means available, among and between affected communities in the impact area and all response forces.*

- **Activity 1: Alert and Dispatch**
Definition: *In response to an alert, make notification and provide communications management until the Incident Command (IC), Emergency Operations Center (EOC), and Emergency Management Agency (EMA) are stood-up (HSEEP ComC 4.2, 4.2.1, 4.2.1.1, 3.5, 4.2.3, 4.1.1)*
- **Activity 2: Provide Emergency Operations Center Communications Support**
Definition: *Upon notification, initiate interoperable system operations, in addition to maintaining, managing, and assuring protection of the interoperable communications systems until the EOC is ordered deactivated. (HSEEP ComC 5.3, 5.3.3, 4.1.1, 5.3.1.3)*

Extent of Play:

- A controller phone cell will be established to ensure appropriate communications are accomplished and to ensure fluid exercise play.
- Staging Area and Field Team operations will be demonstrated at a later date during the Comanche Peak Exercise.
- Correction on the spot requested, for local agencies.*

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FEMA REP Sub-element 1.e – Equipment and Supplies to Support Operations

Criterion 1.e.1: Equipment, maps, displays, monitoring instruments, dosimetry, potassium iodide (KI), and other supplies are sufficient to support emergency operations. (NUREG-0654/FEMA-REP-1, H.7, 10; I.7, 8, 9; J. 10.a, b, e; J.11, 12; K.3.a; K.5.b)

Locations:

- DDC
- DSHS RCP at STP EOF
- JIC
- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: ENVIRONMENTAL RESPONSE/HEALTH AND SAFETY

Description: *Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.*

- **Activity 1: Identify Safety/PPE Needs and Distribute PPE**
Definition: *Upon appointment as Safety Officer, assess safety and health hazards, inform IC of needs, and develop site-specific safety and health plan. (HSEEP Res.B1b 5.4.1, 5.2)*

Extent of Play:

- Staging Area and Field Team operations will be demonstrated at a later date during the Comanche Peak Exercise.

FEMA REP EVALUATION AREA 2: PROTECTIVE ACTION DECISION-MAKING

FEMA REP Sub-element 2.a – Emergency Worker Exposure Control

Criterion 2.a.1: OROs use a decision-making process, considering relevant factors and appropriate coordination, to insure that an exposure control system, including the use of KI, is in place for emergency workers including provisions to authorize radiation exposure in excess of administrative limits or protective action guides. (NUREG-0654/FEMA-REP-1, C.6; J. 10.e, f; K.4)

Locations:

- DSHS RCP at STP EOF
- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: (1) ENVIRONMENTAL RESPONSE/HEALTH AND SAFETY

Description: *Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.*

- **Activity 1: Ongoing Monitoring of Responder Safety and Health**
Definition: *Upon assignment of responders to the incident, maintain continuous monitoring of responder safety and health, proper functioning of PPE and equipment, and awareness of on-site hazards; oversee decontamination; document all actions and injuries/illnesses; and provide for emergency and psychological medical care (HSEEP Res.B1b 7.1.1, 7.4.3, 7.4.4, 7.5.2, 7.5)*

Extent of Play:

- Ingestion of KI will be simulated during the exercise.
- If the scenario does not warrant a discussion on either the authorization to administer KI or Emergency Worker (EW) exposure exceeding administrative limits, then the criterion will be accomplished through an inject at the EOF. Decision making for KI and EW exposure level above administrative limits is done at the EOF and the local EOC.

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FEMA REP Sub-element 2.b. – Radiological Assessment and Protective Action Recommendations and Decisions for the plume Phase of the Emergency

Criterion 2.b.1: Appropriate protective action recommendations (PARs) are based on available information on plant conditions, field monitoring data, and licensee and ORO dose projections, as well as knowledge of on-site and off-site environmental conditions. (NUREG-0654/FEMA-REP-1, I.10; Supp.3)

Locations:

- DSHS RCP at STP EOF

Extent of Play:

- Field data will be given to EOF personnel through inject of field data found in the scenario package.

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FEMA REP Sub-element 2.b. – Radiological Assessment and Protective Action Recommendations and Decisions for the plume Phase of the Emergency

Criterion 2.b.2: A decision-making process involving consideration of appropriate factors and necessary coordination is used to make protective action decisions (PADs) for the general public. (NUREG-0654/FEMA-REP-1, A.3; C.4, 6; D.4; J.9; J.10.f, m)

Locations:

- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: MASS CARE SERVICES

Description: *Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies.*

- **Activity 1: Direct Evacuation and/or In-Place Protection Tactical Operations**
Definition: *In response to a hazardous condition for a locality, direct, manage, and coordinate evacuation and/or in-place sheltering procedures for both the general population and those requiring evacuation assistance throughout incident. (HSEEP Res.B3a 3.1.2, 3.2.1, 3.2, 3.4.4, 3.3, 3.3.2, 3.4.2)*
- **Activity 2: Activate Evacuation and/or In-Place Protection**
Definition: *In response to activation, identify and ensure notification of at-risk populations, and identify populations requiring assistance in evacuation and/or in-place protection. (HSEEP Res.B3a 4.2.1, 4.2.3, 4.2.4)*

Extent of Play:

- The protective actions that result from this decision-making process will not be implemented. No members of the public will be relocated.

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FEMA REP Sub-element 2.c – Protective Action Decisions Consideration for the Protection of Special Populations

Criterion 2.c.1: Protective action decisions are made, as appropriate, for groups of persons with disabilities and access/functional needs. (NUREG-0654/FEMA-REP-1, D.4; J.9; J.10.d, e)

Locations:

- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: OPERATIONAL COORDINATION (COORDINATION AND CONTROL)

Description: *Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.*

- **Activity 1: Provide EOC/MACC/IOF Connectivity**
Definition: *Upon identification of issues, establish priorities between Incident and/or Area Commands; provide strategic direction; coordinate and resolve multi-agency policy issues, including the issuance of protective action recommendations and protective action decisions. (HSEEP Res.B1c 7.3.4, 7.3.1, 7.3.2, 7.3.3, 7.4)*

FEMA HSEEP CORE CAPABILITY: MASS CARE SERVICES

Description: *Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies.*

- **Activity 1: Direct Evacuation and/or In-Place Protection Tactical Operations**
Definition: *In response to a hazardous condition for a locality, direct, manage, and coordinate evacuation and/or in-place sheltering procedures for both the general population and those requiring evacuation assistance throughout incident. (HSEEP Res.B3a 3.5.3, 3.5.4)*
- **Activity 2: Activate Evacuation and/or In-Place Protection**
Definition: *In response to activation, identify and ensure notification of at-risk populations, and identify populations requiring assistance in evacuation and/or in-place protection. (HSEEP Res.B3a 4.4.1, 4.4.2, 4.4.3)*

Extent of Play:

- Protective actions for access/functional needs individuals will be considered at the MCEOC; however, actual demonstration of protective actions will not be performed.
- MCEOC staff will demonstrate this criterion through discussion and showing the evaluator a roster of access/functional needs individuals in the 10-mile emergency planning zone.
- Should a County PAD include ingestion of KI for Special Populations, this will be accomplished via message inject or, if dose projections do not reach 5R for those populations, it will be accomplished via interview.

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FEMA REP EVALUATION AREA 3: PROTECTIVE ACTION IMPLEMENTATION

FEMA REP Sub-element 3.a – Implementation of Emergency Worker Exposure Control

Criterion 3.a.1: The OROs issue appropriate dosimetry, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. OROs maintain appropriate record-keeping of the administration of KI to emergency workers. (NUREG-0654/FEMA-REP-1, J.10.e; K.3.a, b; K.4)

Locations:

- DSHS RCP at STP EOF
- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: ENVIRONMENTAL RESPONSE/HEALTH AND SAFETY

Description: *Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.*

- **Activity 1: Site/Incident Specific Safety and Health Training**
Definition: *Site/Incident specific training provides necessary understanding of the hazards identified and assessed in the incident, and the necessary precautions. Site/Incident specific training builds upon pre-incident training, but tailors curriculum to the tasks/hazards of the incident. Site/Incident specific training should reflect policies and procedures specified in the incident specific health and safety plan. Site/Incident specific training needs to have a flexible approach (training may need to be conducted outside of a classroom setting) and should be conducted prior to commencing response activities. (HSEEP Res.B1b 6.1, 6.2, 6.3)*

Extent of Play:

- Exercise TLDs will be used for the exercise. TLDs for real events are packaged in the Emergency Planner box at the staging area. DSHS Emergency Planners can show evaluator real TLDs at staging area.
- Staging Area and Field Team operations will be demonstrated at a later date during the Comanche Peak Exercise.
- Issuance of dosimetry will be done prior to exercise in Austin. If questions arise on how dosimetry is normally issued, the Chief of Field Operations or Field Team Leader may provide an explanation on how dosimetry is handled and how often it is checked in the field.
- A group radiological safety briefing will be done morning of exercise, prior to deployment to operational areas. County radiological officers may provide this briefing to EWs separately at the EOC.
- Staff located in the EOF, JIC, and any ORO staff located in a facility within the 10-mile EPZ will explain the procedure for reporting elevated doses and what their dose limits are.
- Correction on the spot requested. *

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FEMA REP Sub-element 3.b - Implementation of KI Decision

Criterion 3.b.1: KI and appropriate instructions are available if a decision to recommend use of KI is made. Appropriate record-keeping of the administration of KI for institutionalized individuals is maintained. (NUREG-0654/ FEMA-REP-1, J.10.e, f)

Locations:

- MCEOC (*See EMPG evaluation requirement below*)

FEMA HSEEP CORE CAPABILITY: ENVIRONMENTAL RESPONSE/HEALTH AND SAFETY

Description: *Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.*

- **Activity 1: Ongoing Monitoring of Responder Safety and Health**
Definition: *Upon assignment of responders to the incident, maintain continuous monitoring of responder safety and health, proper functioning of PPE and equipment, and awareness of on-site hazards; oversee decontamination; document all actions and injuries/illnesses; and provide for emergency and psychological medical care. (HSEEP Res.B1b 7.1.1, 7.4.4, 7.5, 7.5.5, 7.4.1)*

Extent of Play:

- The State of Texas does not provide KI to the general public.
- The Matagorda County EOC Command and Control Team will discuss issuance of KI.
- There are no institutionalized individuals within the 10-mile EPZ, this criterion will be conducted via interview.
- If the decision is made to have emergency workers ingest KI, actual ingestion of KI will not be done.
- Distribution and actual ingestion of KI to emergency workers will be simulated by using copies of the Patient Packet insert or copies of the packet to represent actual KI supplies.
- Correction on the spot requested.*

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FEMA REP Sub-element 3.d. – Implementation of Traffic and Access Control

Criterion 3.d.1: Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel. (NUREG-0654/FEMA-REP-1, A.3; C.1, 4; J.10.g, j)

Locations:

- MCEOC (See EMPG evaluation requirements below)

FEMA HSEEP CORE CAPABILITY: OPERATIONAL COORDINATION (COORDINATION AND CONTROL)

Description: *Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.*

- **Activity: Direct Evacuation and/or In-Place Protection Tactical Operations**
Definition: *In response to a hazardous condition for a locality, direct, manage, and coordinate evacuation and/or in-place sheltering procedures for both the general population and those requiring evacuation assistance throughout incident. (HSEEP Res.B3a 3.3.1, Res.B3a 5.2, 5.2.1)*

Extent of Play

- Decision-making process will be demonstrated in real-time sequence; however, travel to the T/ACP will be simulated.
- A Law Enforcement Officer (from the Sheriff's Department) assigned to T/ACP will discuss the knowledge of their role and responsibilities by interview with the evaluator. This interview can occur out of sequence of the exercise scenario, but during the exercise, at a time agreed up on by the MCEOC controller and FEMA evaluator.
- Correction on the spot requested.*

FEMA REP Sub-element 3.d. – Implementation of Traffic and Access Control

Criterion 3.d.2: Impediments to evacuation are identified and resolved. (NUREG-0654/FEMA-REP-1, J.10.k)

Locations:

- MCEOC (See EMPG evaluation requirements below)

FEMA HSEEP CORE CAPABILITY: OPERATIONAL COORDINATION (COORDINATION AND CONTROL)

Description: *Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.*

- **Activity: Identify and Address Issues**
Definition: *Upon receiving information, assess and identify current and anticipated resource shortages, technical support issues, and key policy decisions needed across all capabilities, and provide to the applicable agency, function, jurisdiction or multi-agency coordination entity for resolution. (HSEEP Res.B1c 6.1.4, 6.1.5, 6.3)*

FEMA HSEEP CORE CAPABILITY: MASS CARE SERVICES (Evacuation)

Description: *Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.*

- **Activity: Direct Evacuation and/or In-Place Protection Tactical Operations**
Definition: *In response to a hazardous condition for a locality, direct, manage, and coordinate evacuation and/or in-place sheltering procedures for both the general population and those requiring evacuation assistance throughout incident (HSEEP Res.B3a 3.3.1)*

Extent of Play:

- This criterion will be demonstrated by inject.
- No impediment will actually occur, however, the situation and solution will be discussed in the MCEOC.
- A controller inject may be used to initiate the demonstration for this Criterion. The inject will occur during an evacuation requiring re-routing of traffic and coordination with the Joint Information Center for dissemination to the evacuating public.

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FEMA REP EVALUATION AREA 4: FIELD MEASUREMENT AND ANALYSIS

FEMA REP Sub-element 4.a – Plume Phase Field Measurement and Analyses

Criterion 4.a.2: Field teams (2 or more) are managed to obtain sufficient information to help characterize the release and to control radiation exposure. (NUREG-0654/FEMA-REP-1, C.1; H.12; I.7, 8, 11; J.10.a)

Locations:

- DSHS RCP at STP EOF

Extent of Play:

- Field Teams will be demonstrated at a later date during the Comanche Peak Exercise. Field measurements related to characterization of the plume will be given to EOF staff through injects of field data listed in scenario package.

FEMA REP EVALUATION AREA 5: EMERGENCY NOTIFICATION & PUBLIC INFORMATION

FEMA REP Sub-element 5.a - Activation of the Prompt Alert and Notification System

Criterion 5.a.1: Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized off-site emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance. (NUREG-0654/FEMA-REP-1, E.5, 6, 7)

Locations:

- NOAA, National Weather Service (NWS)
- MCEOC (*See EMPG evaluation requirements below*)

FEMA HSEEP CORE CAPABILITY: PUBLIC INFORMATION AND WARNING

Description: *Deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard, as well as the actions being taken and the assistance being made available, as appropriate.*

- **Activity:** Issue Public Information, Alerts/Warnings, and Notifications
Definition: *Issue public information, alerts, warnings, and notifications through established systems to the public, coordinating officials, and incident managers and responders. (HSEEP Res.B1f 5.1, 5.2, 5.2.5, 4.3, 5.3, 5.2.1, 5.2.4)*

Extent of Play:

- A simulated IPAWS message will be used in real time sequence to transmit the EAS messages.
- Emergency Alert System (EAS) message content will be determined by the Emergency Management Director and communicated to the EAS source by the EOC Administrative Assistant; however, broadcasts will be simulated.
- The NWS demonstration will be conducted out of sequence on July 7, 2022.

FEMA REP Sub-element 5.b – Emergency Information and Instructions for the Public and the Media

Criterion 5.b.1: OROs provide accurate subsequent emergency information and instructions to the public and the news media in a timely manner. (NUREG-0654/FEMA-REP-1, E.5, 7; G.3.a; G.4.a, c)

Locations:

- JIC
- MCEOC (See EMPG evaluation requirements below)

FEMA HSEEP CORE CAPABILITY: PUBLIC INFORMATION AND WARNING

Description: *Deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard, as well as the actions being taken and the assistance being made available, as appropriate.*

- **Activity:** Establish Joint Information Center
Definition: *Activate and implement a Joint Information Center (JIC) and disseminate information to public. (HSEEP Res.B1f 5.1.1, 6.1, 3.2.2, 6.2, 6.2.2, 6.2.1)*
- **Activity:** Conduct Joint Information Center Operations
Definition: *Upon activation of the JIC, monitor media and conduct press briefings. (HSEEP Res.B1f 7.1.4, 7.1.2, 7.2.6.1, 7.2.8)*
- **Activity:** Issue Public Information, Alerts/Warnings, and Notifications
Definition: *Issue public information, alerts, warnings, and notifications through established systems to the public, coordinating officials, and incident managers and responders. (HSEEP Res.B1f 5.1, 5.2.5, 5.5.2)*

Extent of Play:

- Information will not be provided to the public and/or the media not participating in the exercise.

GENERAL Extent of Play:

1. With regard to last minute additions or changes to any previously approved Extent-of-Play, all suggested changes, including decisions due to inclement weather, must be forwarded to the RAC Chair for approval.
2. As a statement of fact, no ORO will deliberately deviate from its plans and procedures with the intent of avoiding responsibility.
3. The exercise may be suspended or terminated due to a real emergency situation.
4. With respect to field teams and staging area operations (DSHS FMTs), Criterion 1.a.1, 1.d.1, 1.e.1, 3.a.1, and 4.a.3 will be demonstrated during the Comanche Peak Exercise on July 27, 2022.
5. *Correction-on-the-spot is defined in the 2016 FEMA REP Program Manual on page 171.

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Acronyms

DSHS	Department of State Health Services
DPS	Department of Public Safety
EAS	Emergency Alert System
EMPG	Emergency Management Performance Grant
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EW	Emergency Worker
FEMA	Federal Emergency Management Agency
FMT	Field Monitoring Team
HSEEP	Homeland Security Exercise Evaluation Program
JIC	Joint Information Center
KI	Potassium Iodide
MCEOC	Matagorda County Emergency Operations Center
NOAA, NWS	National Oceanic & Atmospheric Association, National Weather Service
ORO	Off-site Response Organization
OSA	Offsite Staging Area
PPE	Personal Protective Equipment
RAC	Regional Assistance Committee
RCP	Radiation Control Program
SOC	State Operations Center
STP	South Texas Project
TDEM	Texas Division of Emergency Management

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