



South Texas Project Electric Generating Station

After Action Report/ Improvement Plan

Exercise Date – July 28, 2021

Radiological Emergency Preparedness (REP) Program



FEMA

Published September 20, 2021

Unclassified
Radiological Emergency Preparedness Program (REP)
After Action Report/Improvement Plan

This page is intentional left blank

After Action Report/Improvement Plan

| | |
|----------------------------------------------------------------------------------------------------------------------|----|
| Executive Summary | 6 |
| Section 1: Exercise Overview | 7 |
| 1.1 Exercise Details | 7 |
| 1.2 Exercise Planning Team Leadership | 7 |
| 1.3 Participating Organizations | 9 |
| Section 2: Exercise Design Summary | 10 |
| 2.1 Exercise Purpose and Design | 10 |
| 2.2 Exercise Objectives, Capabilities and Activities | 10 |
| 2.3 Scenario Summary | 10 |
| Section 3: Analysis of Capabilities | 11 |
| 3.1 Exercise Evaluation and Results | 11 |
| 3.2 Summary Results of Exercise Evaluation | 11 |
| 3.3 Criteria Evaluation Summaries | 13 |
| 3.3.1 State and Federal Organizations | 13 |
| 3.3.1.1 Texas Department of State Health Services (DSHS), Radiation Control Program-Emergency Operations Facility | 13 |
| 3.3.1.2 Texas Department of Public Safety, Disaster District Sub 2C Pierce | 13 |
| 3.3.1.3 Texas DSHS Field Radiological Monitoring Team One | 13 |
| 3.3.1.4 Texas DSHS Field Radiological Monitoring Team Two | 14 |
| 3.3.1.5 National Weather Service, Houston/Galveston | 14 |
| 3.3.2 Risk Jurisdictions | 15 |
| 3.3.2.1 Matagorda County Emergency Operations Center and Traffic/Access Control Point | 15 |

Unclassified
Radiological Emergency Preparedness Program (REP)
After Action Report/Improvement Plan

| | |
|--------------------------------------------------|----|
| 3.3.3 Private Organizations | 15 |
| 3.3.3.1 Joint Information Center, Bay City | 15 |
| 3.3.3.2 KKHA-FM Radio Station | 16 |
| Section 4: Conclusion | 17 |
| Appendix A: Acronyms and Abbreviations | 18 |
| Appendix B: Exercise Evaluators and Team Leaders | 21 |
| Appendix C: Exercise Plan | 22 |

Unclassified
Radiological Emergency Preparedness Program (REP)
After Action Report/Improvement Plan

This page is intentionally blank.

EXECUTIVE SUMMARY

On July 28, 2021, a biennial Radiological Emergency Preparedness (REP) Virtual Plume Exposure Pathway Exercise, 10-mile Emergency Planning Zone (EPZ), was conducted around the South Texas Project (STP) Electric Generating Station located near Wadsworth in Matagorda County, Texas. The U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Regions 1, 3, 6, Headquarters, and ICF Contract personnel evaluated the exercise. Region 6 staff evaluated (virtual) twenty-two Out-of-Sequence (OOS) criteria, pre-exercise, in support of the State of Texas health and safety guidance during the COVID-19 global public health emergency. The purpose was to assess the level of preparedness of state and local responders to respond to a simulated radiological emergency at STP. 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 and Ingestion Pathway Zone Exercise conducted on June 12-13, 2018. The first qualifying emergency preparedness exercise was conducted on April 8, 1987. There have been twenty-five evaluated exercises, including the exercise on March 23-24, 2021 plus numerous drills conducted since 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 28, 2021

Program

Department of Homeland Security/FEMA Radiological Emergency Preparedness Program

Scenario Type

Radiological Emergency

1.2 Exercise Planning Team Leadership

Oscar Martinez

Technological Hazards Branch Chief /RAC Chair

FEMA Region VI

800 N. Loop 288

Denton, Texas 76209

940-383-7364

Oscar.Martinez@fema.dhs.gov

Elsa Lopez

Senior Site Specialist/Federal Planning Team Lead

FEMA RVI

800 N Loop 288

Denton, TX, 76209

(940) 898-5308

Elsa.Lopez@fema.dhs.gov

Unclassified
Radiological Emergency Preparedness Program (REP)
After Action Report/Improvement Plan

Brad DeKorte
Technological Hazards Specialist
FEMA Region VI
800 N Loop 288
Denton, TX, 76209
(940) 383-7304
brad.dekorte@fema.dhs.gov

Robert Fisher
Emergency Planner
Texas Department of State Health Services
P.O. Box 149347
Austin, TX, 78714
(512) 834-6701
Robert.fisher@dshs.state.tx.us

Stacia Taylor
Emergency Response Specialist Consultant/Planner
South Texas Project
P.O. Box 289
Wadsworth, TX, 77483
(361) 972-8157
sltaylor@stpegs.com

1.3 Participating Organizations

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

State and Federal Organizations

National Weather Service
Texas A&M
Texas Department of State Health Services
Texas Department of Emergency Management
Texas Department of Public Safety
United States Coast Guard

Risk Jurisdictions

Bay City Chamber
Bay City Independent School District
City of Bay City
City of Palacios
City of Palacios Police Department
Economic Action Committee
Matagorda County
Matagorda County Extension Services
Matagorda County HAM Radio Operators
Matagorda County Sheriff's Office
Matagorda Regional Medical Center

Private Organizations

American Red Cross
KKHA-FM Radio Station
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 28, 2021 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 (STP) Electric Generating Station. 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 South Texas Project (STP) Electric Generating Station. 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, alert and notify the public, and implement re-entry/return/relocation/re-occupancy capabilities.

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 (STP) Electric Generating Station exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone (EPZ) surrounding STP.

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

After Action Report/Improvement Plan

Tables 3.2 - Summary of Exercise Evaluation

| Date: 2021-07-28 SITE: South Texas Project Electric Generating Station M: Met, 1: Level 1 Finding, 2: Level 2 Finding, P: Plan Issue, and N: Not Demonstrated | | DPS DD Sub-2C | DSHS-RCP EOF | DSHS FMT 1 | DSHS FMT 2 | Matagorda Co | JIC Bay City | KKHA-FM Radio | NWS | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------|--------------|------------|------------|--------------|--------------|---------------|-----|--|
| Emergency Operations Management | | | | | | | | | | |
| Mobilization | 1a1 | M | M | | | M | M | | | |
| Facilities | 1b1 | | | | | | | | | |
| Direction and Control | 1c1 | M | M | | | M | | | | |
| Communications Equipment | 1d1 | M | M | M | M | M | M | | | |
| Equipment and Supplies | 1e1 | M | M | 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 | 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 | | | M | M | | | | | |
| Field Team Sampling | 4b1 | | | | | | | | | |
| Laboratory Operations | 4c1 | | | | | | | | | |
| Emergency Notification and Public Info | | | | | | | | | | |
| Initial Alert & Notification | 5a1 | | | | | M | | 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 Texas Department of State Health Services, Field Monitoring Team 1

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

After Action Report/Improvement Plan

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

3.3.1.4 Texas Department of State Health Services, Field Monitoring Team 2

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

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

3.3.1.5 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
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.2 Risk Jurisdictions

3.3.2.2 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

3.3.3.3 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

3.3.3.2 KKHA-FM Radio Station

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
- 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 |
| CAD | Computer Assisted Dispatch |
| CDC | Center for Disease Control and Prevention |
| CFM | Cubic Feet per Minute |
| CW | Close Window |
| CPM | Counts per Minute |
| DDC | Disaster District Center |
| DHS/FEMA | Department of Homeland Security/Federal Emergency Management Agency |
| DLR | Dose of Legal Record |
| DPS | Department of Public Safety |
| DRD | Direct Reading Dosimeter |
| DSHS | Department of State Health Services |
| EAS | Emergency Alert System |
| ECL | Emergency Classification Level |
| EMC | Emergency Management Coordinator |
| EMD | Emergency Management Director |
| EOC | Emergency Operations Center |
| EOF | Emergency Operations Facility |
| EP | Emergency Planners |
| EPA | Environmental Protection Agency |
| EPD | Electronic Personnel Dosimeter |
| EPZ | Emergency Planning Zone |
| ER | Emergency Response |
| EW | Emergency Worker |
| EXPLAN | Exercise Plan |
| FMT | Field Monitoring Team |
| FTL | Field Team Leader |
| GE | General Emergency |
| HQ | Headquarters |
| IC | Incident Commander |
| ISD | Independent School District |

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

| Acronym | Description |
|----------------|---------------------------------------------------------|
| JIC | Joint Information Center |
| KI | Potassium Iodide |
| MCEOC | Matagorda County Emergency Operations Center |
| MP | Monitoring Point |
| MR | Media Relations |
| MSCO | Matagorda County Sheriff's Office |
| NA | News Advisory |
| NOAA | National Oceanic and Atmospheric Administration |
| NUW | Nuclear Power Plant Warning |
| NWS | National Weather Service |
| OCA | Owner Controlled Area |
| OEM | Office of Emergency Management |
| OSL | Optically Stimulated Luminescent |
| OW | Open Window |
| PAD | Protective Action Decision |
| PAG | Protective Action Guides |
| PAR | Protective Action Recommendation |
| PIO | Public Information Officer |
| PPE | Personnel Protective Equipment |
| RC | Reception Center |
| RCP | Radiation Control Program |
| REP | Radiological Emergency Preparedness |
| RERT | Radiological Emergency Response Team |
| RO | Radiological Officer |
| RPP | Radiation Protection Personnel |
| SAE | Site Area Emergency |
| SOC | State Operations Center |
| STAMPEDE | South Texas Assessment Model Projecting Dose Evaluation |
| STEAR | State of Texas Emergency Assistance Registry |
| STP | South Texas Project |
| T/ACP | Traffic and Access Control |
| TDEM | Texas Department of Emergency Management |
| TEDE | Total Effective Dose Equivalent |
| TLD | Thermoluminescent Dosimeter |
| TS | Technical Specialist |

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

| Acronym | Description |
|---------|-----------------------------------------|
| TXPHIN | Texas Public Health Information Network |
| UE | Unusual Event |
| VHF | Very High Frequency |
| | |
| | |

APPENDIX B: EXERCISE EVALUATORS AND TEAM LEADERS

DATE: 7/28/2021

SITE: South Texas Project

| LOCATION | EVALUATOR | AGENCY |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------|
| Texas Department of State Health Services-Radiation Control Program, Emergency Operations Facility | Tim Pflieger* Marci Campbell | FEMA R6 ICF |
| Texas Field Monitoring Team 1 | Tim Pflieger* Elsa Lopez | FEMA R6 FEMA R6 |
| Texas Field Monitoring Team 2 | W. Brad McRee | ICF |
| Texas Department of Public Safety, Disaster District Sub 2C Pierce | Brad DeKorte* George Odom | FEMA R6 FEMA HQ |
| Matagorda County Emergency Operations Center | Taneeka Hollins* Kathryn Duran Bart Ray | FEMA R1 FEMA R3 ICF |
| Joint Information Center, Bay City | Linda Gee* Heather Duschell | FEMA R6 FEMA HQ |
| National Weather Service | LaShawn Halsey* | FEMA HQ |
| KKHA-FEMA Radio Station | Elsa Lopez* | FEMA R6 |
| Various Locations – Out of Sequence Assessments | Elsa Lopez* Sam Williams Brian Ellis | FEMA R6 FEMA R6 FEMA R6 |
| * Team Leader | | |

APPENDIX C: EXERCISE PLAN

EXERCISE EVALUATION AREAS AND EXTENT OF PLAY AGREEMENT

**State of Texas South Texas Project
2020 Evaluated Exercise**

July 28, 2021

The Assessment Areas applicable to this Plume Phase Exercise (PPX) are taken from the Federal Emergency Management Agency (FEMA) Radiological Emergency Preparedness (REP) Manual. Any exception to the Assessment Areas are noted in the Extent of Play.

Successful demonstration of this exercise criterion will satisfy the requirements for the HSEEP Core Capabilities identified below as per the FEMA REP Program Manual dated January 2016, Part IV.H: Integration of REP Demonstration Criteria and Core Capabilities.

| FEMA REP ASSESSMENT AREA 1: EMERGENCY OPERATIONS MANAGEMENT | | |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| FEMA REP EVALUATION CRITERIA 1.a.1 | | |
| 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. <i>(NUREG-0654/FEMA-REP-1, A.1.a, e; A.3, 4; C.1, 4, 6; D.4; E.1, 2; H.3, 4)</i> | |
| CORE CAPABILITY: Operational Coordination | Objective 1: | Mobilize key emergency personnel in a timely manner. |
| | Objective 2: | Demonstrate the ability to maintain and staff 24-hour operations (provide a roster). |
| CORE CAPABILITY: Operational Communications | Objective 1: | Receive notification of an incident from STP & verify the notification in a timely manner. |
| | Objective 2: | Contact and alert key emergency personnel in a timely manner. |

After Action Report/Improvement Plan

EXTENT OF PLAY:

- Regardless of the scenario, no facilities/activities will relocate during this exercise.
- The SOC will not be staffed or activated. All exercise play and communications will be simulated, however, emergency notifications will still be delivered to the SOC.
- DSHS HQ will not be evaluated, however, communications made to DSHS staff in Bay City will still take place until the DSHS team at the STP EOF is activated.
- Only (2) teams will be evaluated.
- Disaster District Committee personnel not stationed at DD Sub-2C EOC may be pre-staged.
- 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.
- TX DSHS EOF, JIC, and MC EOC will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise.

Evaluated Locations:

- Texas Department of Public Safety, Disaster District Pierce (TX DPS DDC)
- Texas Department of State Health Services, Radiation Control Program at the Emergency Operations Facility (TX DSHS RCP EOF)
- Joint Information Center, Bay City (JIC)
- Matagorda County Emergency Operations Center (MC EOC)

FEMA REP EVALUATION CRITERIA 1.c.1

| | |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. <i>(NUREG-0654/FEMA-REP-1, A.1.d; A. 2.a, b; A.3; C.4, 6)</i> |
| CORE CAPABILITY: Operational Communications | Objective 1: Leadership personnel demonstrate the ability to carry out essential management functions in accordance to plans and procedures. Objective 1: Leadership personnel coordinate with other OROs, to ensure completion of requirements and requests. |
| CORE CAPABILITY: Situational Assessment | Objective 1: Leadership personnel demonstrate the ability to prioritize resource tasking and replacement/supplement resources. Objective 2: Leadership personnel demonstrate the ability to keep staff informed through periodic briefings and/or other means. |

After Action Report/Improvement Plan

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> All activities will not deviate from plans and procedures. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> TX DPS DDC TX DSHS RCP EOF MC EOC | |
| FEMA REP EVALUATION CRITERIA 1.d.1 | |
| 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. <i>(NUREG-0654/FEMA-REP-1, F.1, 2)</i> |
| CORE CAPABILITY: Operational Communications | <p>Objective 1: Demonstrate that a primary system and at least one backup system are fully functional at all times.</p> <p>Objective 2: Communications equipment and procedures for facilities and field units are used as needed for transmission and receipt of exercise messages</p> <p>Objective 3: Demonstrate the capability to manage the communications systems and ensure that all message traffic is handled without delays that might disrupt emergency operations.</p> |
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> A controller phone cell will be established to ensure appropriate communications are accomplished and to ensure fluid exercise play. Correction on the spot requested, for local agencies. * DSHS FMT I & II, RCP EOF, JIC, and MC EOC will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> TX DPS DDC TX DSHS RCP EOF | |

After Action Report/Improvement Plan

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Texas Department of State Health Services, Radiation Control Program, Field Monitoring Team One (TX DSHS RCP FMT I) • Texas Department of State Health Services, Radiation Control Program, Field Monitoring Team Two (TX DSHS RCP FMT II) • JIC • MC EOC | |
| FEMA REP EVALUATION CRITERIA 1.e.1 | |
| 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. <i>(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)</i> |
| CORE CAPABILITY: Environmental Response/ Health and Safety | <p>Objective 1: Demonstrate sufficient inventories of KI for use by emergency workers and as stipulated by plans and procedures. (A physical inspection will be done to verify quantity and expiration date.)</p> <p>Objective 2: Sufficient quantities of appropriate direct-reading and permanent record dosimetry and dosimeter chargers are available for issuance to all emergency workers dispatched to conduct activities in areas where potential exposure is possible (including bus drivers evacuating schools, first responders, and persons re-entering a traffic access control point).</p> <p>Objective 3: Monitoring instruments are inspected, inventoried, and operationally checked before use. Instruments are calibrated in accordance with the manufacturer’s recommendations and a range-of-reading label/sticker is affixed to the instrument.</p> <p>Objective 4: All responders have sufficient equipment, maps, displays and other supplies to support emergency operations at their deployed location.</p> |

After Action Report/Improvement Plan

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> Donning and doffing of anti-contamination clothing will be demonstrated out of sequence by one player at a date to be determined before exercise. Activated charcoal filters will be used in lieu of silver zeolite filters for exercise purposes but FMTs will demonstrate availability of silver zeolite filters. TX DSHS RCP EOF, FMT I & II, JIC, and MC EOC will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise. Correction on the spot requested. * <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> TX DPS DDC TX DSHS RCP EOF TX DSHS RCP FMT I TX DSHS RCP FMT II JIC MC EOC | |
| FEMA REP ASSESSMENT AREA 2: PROTECTIVE ACTION DECISION-MAKING | |
| FEMA REP EVALUATION CRITERIA 2.a.1 | |
| 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 ensure 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. <i>(NUREG-0654/FEMA-REP-1, C.6; J. 10.e, f; K.4)</i> |
| CORE CAPABILITY: Environmental Response/Health and Safety | Objective 1: Demonstrate a capability to comply with emergency worker exposure limits based on emergency plans and procedures. Objective 2: Demonstrate the distribution and administration of KI as a protective measure for emergency workers. |
| CORE CAPABILITY: Situational Assessment | Objective 1: Leadership personnel demonstrate the capability to make decisions concerning authorization of exposure levels in excess of pre-authorized levels and the numbers of emergency workers receiving radiation doses above pre-authorized levels. |

After Action Report/Improvement Plan

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Objective 2: | Leadership personnel demonstrate the capability to make decisions on the distribution of KI based on projected thyroid dose compared with the established PAGs for KI administration. |
| CORE CAPABILITY: Operational Communications | Objective 1: | Demonstrate delivery/transmission of recommendation to administer KI to all OROs impacted by this decision. |
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> • Distribution and Ingestion of KI will be simulated during the exercise. • If projected thyroid dose does not trigger administration of KI during exercise play, the FEMA evaluator can interview player(s) on the administration process during a time agreed upon by the controller and evaluator. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> • TX DSHS RCP EOF • MC EOC | | |
| FEMA REP EVALUATION CRITERIA 2.b.1 | | |
| 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) |
| CORE CAPABILITY: Environmental Response/Health and Safety | Objective 1: | Demonstrate the capability to use appropriate means described in plans and procedures to develop protective action recommendations (PARs) for decision-makers based on available information provided by the licensee, as well as field monitoring data, if available. |

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CORE CAPABILITY: Situational Assessment | <p>Objective 1: Demonstrate a reliable capability to independently validate plant (source term) assessments by calculating dose projections related to quantities and units of the PAG to which they are being compared.</p> <p>Objective 2: Demonstrate the capability to use any additional data to refine projected doses and exposure rates and revise associated PARs.</p> <p>Objective 3: If licensee and ORO projected doses differ by more than a factor of 10, the source of the difference must be determined.</p> |
| CORE CAPABILITY: Operational Communications | <p>Objective 1: Demonstrate delivery/transmission of protective action recommendations to all ORO decision-makers in a timely manner.</p> |
| <p><u>EXTENT OF PLAY:</u></p> <ul style="list-style-type: none"> All activities will not deviate from plans and procedures. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> TX DSHS RCP EOF | |
| <p style="text-align: center;">FEMA REP EVALUATION CRITERIA 2.b.2</p> | |
| FEMA REP: Sub-element 2.b – Radiological Assessment and Protective Action Recommendations and Decisions for the Plume Phase of the Emergency | <p>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)</p> |

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CORE CAPABILITY: Operational Coordination | Objective 1: | Demonstrate the capability to provide strategic direction by use of appropriate means described in plans and procedures to make both initial and subsequent precautionary and/or protective action decisions for the general public. |
| CORE CAPABILITY: Situational Assessment | Objective 1: | Consider information from the licensee, assessment of plant status and potential or actual releases, other available information related to the incident, input from appropriate ORO authorities, and PARs from the utility and ORO staff when making protective action decisions for the general public. |
| CORE CAPABILITY: Operational Communications | Objective 1: | Demonstrate delivery/transmission of protective action decisions to the general public (residents, transients, and emergency responders) in a timely manner. |
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> The protective actions that result from this decision-making process will not be implemented. No members of the public will be evacuated, and no schools will be relocated. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> MC EOC | | |
| FEMA REP EVALUATION CRITERIA 2.c.1 | | |
| FEMA REP: Sub-element 2.c – Precautionary and/or Protective Action Decision Consideration for the Protection of Persons with Disabilities and Access/Functional Needs | 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) |

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CORE CAPABILITY: Operational Coordination | Objective 1: | Demonstrate the capability to provide strategic direction by use of appropriate means described in plans and procedures to make both initial and subsequent precautionary and/or protective action decisions for persons with disabilities and access/functional needs. |
| CORE CAPABILITY: Situational Assessment | Objective 1: | Consider information from the licensee, assessment of plant status and potential or actual releases, other available information related to the incident, input from appropriate ORO authorities, and PARs from the utility and ORO staff when making protective action decisions for persons with disabilities and access/functional needs. |
| CORE CAPABILITY: Operational Communications | Objective 1: | Demonstrate delivery/transmission of protective action decisions to persons with disabilities and access/functional needs in a timely manner. |
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> 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 persons with disabilities and access/functional needs, this will be accomplished via message inject or, if dose projections do not reach 5R for those populations, it will be accomplished via interview. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> MC EOC | | |
| FEMA REP ASSESSMENT AREA 3: PROTECTIVE ACTION IMPLEMENTATION | | |
| FEMA REP EVALUATION CRITERIA 3.a.1 | | |
| FEMA REP: | Criterion 3.a.1: | The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in |

After Action Report/Improvement Plan

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sub-element 3.a – Implementation of Emergency Worker Exposure Control | 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. <i>(NUREG-0654/FEMA-REP-1, K.3.a, b; K.4)</i> |
| CORE CAPABILITY: Environmental Response/Health and Safety | <p>Objective 1: Demonstrate the issuance of appropriate dosimetry, KI, and procedures.</p> <p>Objective 2: Demonstrate the ability to manage radiological exposure to emergency workers in accordance with plans and procedures.</p> <p>Objective 3: Demonstrate emergency worker’s ability to periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart.</p> <p>Objective 4: Maintain appropriate record-keeping of the administration of KI to emergency workers.</p> |
| <p><u>EXTENT OF PLAY:</u></p> <ul style="list-style-type: none"> 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 when requested. Issuance and administration of KI will be simulated. TX DSHS RCP EOF, FMT I & II, and MC EOC will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise. Correction on the spot requested. * <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> TX DSHS RCP EOF TX DSHS RCP FMT I TX DSHS RCP FMT II MC EOC | |
| FEMA REP EVALUATION CRITERIA 3.b.1 | |
| FEMA REP: | Criterion 3.b.1: KI and appropriate instructions are available should a decision to recommend use of KI is made. Appropriate record- |

After Action Report/Improvement Plan

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sub-element 3.b – Implementation of KI Decision for Institutionalized Individuals and the General Public | keeping of the administration of KI for institutionalized individuals is maintained. (NUREG-0654, J.10.e, f.) |
| CORE CAPABILITY: Environmental Response/Health and Safety | Objective 1: Demonstrate the capability to make KI available to institutionalized individuals, and, where provided for in their plans and procedures. |
| <p><u>EXTENT OF PLAY:</u></p> <ul style="list-style-type: none"> • 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. • 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. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> • MC EOC | |
| FEMA REP EVALUATION CRITERIA 3.d.1 | |
| 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) |
| CORE CAPABILITY: Operational Coordination | Objective 1: Demonstrate the capability to select, establish, and staff appropriate traffic and access control points consistent with current conditions and PADs in a timely manner. |

After Action Report/Improvement Plan

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Objective 2: | Provide accurate instructions to traffic and access control staff on actions to take when modifications are made to traffic patterns. |
| CORE CAPABILITY: On-Scene Security and Protection | Objective 1: | Demonstrate roles and responsibilities, including verifying emergency worker identification and access authorization to the affected areas (by interview) |
| <p><u>EXTENT OF PLAY:</u></p> <ul style="list-style-type: none"> 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. MC EOC will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise. Correction on the spot requested. * <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> MC EOC | | |
| FEMA REP EVALUATION CRITERIA 3.d.2 | | |
| 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) |
| CORE CAPABILITY: Operational Coordination | Objective 1: | Demonstrate the capability to identify impediments to evacuations and take appropriate actions by re-routing traffic. |

After Action Report/Improvement Plan

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Objective 2: | Coordinate with the JIC to communicate the alternate route to evacuees. |
| CORE CAPABILITY: Infrastructure Systems | Objective 3: | Demonstrate the capability to dispatch resources used to support clearing of roadways. |
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> 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. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> MC EOC | | |
| FEMA REP ASSESSMENT AREA 4: FIELD MEASUREMENT AND ANALYSIS | | |
| FEMA REP EVALUATION CRITERIA 4.a.2 | | |
| FEMA REP: Sub-element 4.a–Plume Phase Field Measurements and Analysis | 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. <i>(NUREG-0654, C.1; H.12; I.7,8,11; J.10.a)</i> |
| CORE CAPABILITY: Situational Assessment | Objective 1: Objective 2: | Demonstrate a field team briefing that includes the predicted plume location and direction, plume travel speed, and exposure control procedures prior to deployment. Demonstrate the ability for teams to take measurements at such locations and times as necessary to provide sufficient information to characterize the plume and its impacts. |

After Action Report/Improvement Plan

EXTENT OF PLAY:

- Four (4) to Six (6) Field Monitoring Teams may be deployed for training purposes. Only Two (2) teams will be evaluated. Drill evaluators will evaluate teams separately.
- TX DSHS RCP EOF will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise.

Evaluated Locations:

- TX DSHS RCP EOF

FEMA REP EVALUATION CRITERIA 4.a.3

FEMA REP:
Sub-element 4.a–Plume Phase Field Measurements and Analysis

Criterion 4.a.3: Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams should move to an appropriate low background location to determine whether any significant (as specified in the plan and/or procedures) amount of radioactivity has been collected on the sample media. (NUREG-0654/FEMA-REP-1, C.1; H.12; I.8, 9; J.10.a)

CORE CAPABILITY:
Environmental Response/ Health and Safety

- Objective 1:** Demonstrate the capability to make and report measurements of ambient radiation to the field team coordinator, dose assessment team, or other appropriate authority.
- Objective 2:** Demonstrate the capability to obtain an air sample for measurement of airborne radioiodine and particulates, and move to an appropriate low background location to perform a field analysis in accordance to DSHS RCP FMT procedure.

EXTENT OF PLAY:

- Activated charcoal filters will be used in lieu of Silver Zeolite filters for exercise purposes.
- Each graded field team will at least once demonstrate proficiency in the use of PPE (gloves and booties) as required by procedure. Due to heat considerations, suits will not be worn in the field.

After Action Report/Improvement Plan

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> The ability to don and remove anti-contamination clothing will be demonstrated by one field team member at an agreed upon time and location prior to or following the exercise. TX DSHS RCP FMT I & II will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise. Correction on the spot requested.* <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> TX DSHS RCP FMT I TX DSHS RCP FMT II | |
| FEMA REP ASSESSMENT AREA 5: EMERGENCY NOTIFICATION AND PUBLIC INFORMATION | |
| FEMA REP EVALUATION CRITERIA 5.a.1 | |
| 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. <i>(NUREG-0654/FEMA-REP-1, E.5, 6, 7)</i> |
| CORE CAPABILITY: Public Information and Warning | Objective 1: Demonstrate the 24-hour capability to provide an alert signal followed by an initial instructional message to populated areas (permanent resident and transient) throughout the 10-mile in a timely manner. |
| <u>EXTENT OF PLAY:</u> <ul style="list-style-type: none"> Siren activation will be simulated by the Matagorda County Sheriff’s Office Dispatcher; and alert radio activation will be simulated by the National Weather Service (NWS) in Dickinson. Simulation of the siren and alert radio activation will be in real time sequence with the transmission of the EAS message. The sirens will be sounded at the appropriate time in the exercise in accordance with the decision and the EAS message will follow the siren sounding. 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. | |

After Action Report/Improvement Plan

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> NWS and KKHA-FM will demonstrate criteria out-of-sequence at a date to be determined within 60 days of the exercise. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> MC EOC National Weather Service (NWS) KKHA-FM (Radio Station) | |
| FEMA REP EVALUATION CRITERIA 5.b.1 | |
| FEMA REP: Sub-element 5.b– Subsequent Emergency Information and Instructions for the Public and Media | Criterion 5.b.1: OROs provide accurate subsequent emergency information and instructions to the public and the news media in a timely manner. <i>(NUREG-0654/FEMA-REP-1, E.5, 7; G.3.a; G.4.a, c)</i> |
| CORE CAPABILITY: Operational Coordination | Objective 1: Demonstrate coordination to ensure that emergency information and instructions are consistent with PADs made by appropriate officials and contains all necessary instructions. |
| CORE CAPABILITY: Public Information and Warning | Objective 1: Demonstrate the ability to provide emergency information and instructions to the public and media in a timely manner following the initial alert and notification. Objective 2: Demonstrate the ability to provide media information kits to the media. Objective 3: Demonstrate that an effective system is in place for dealing with calls received via the public inquiry hotline. |
| <p><u>EXTENT OF PLAY:</u></p> <ul style="list-style-type: none"> Actual Information will not be provided to the public and/or the media not participating in the exercise. <p><u>Evaluated Locations:</u></p> <ul style="list-style-type: none"> JIC MC EOC | |

After Action Report/Improvement Plan

| GENERAL EXTENT OF PLAY AGREEMENTS | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none">• Exercise will be evaluated virtually. Items that are performed out-of-sequence are marked under each criterion. Injects will be used to replace criteria already performed out-of-sequence while the exercise is in play.• 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.• As a statement of fact, no ORO will deliberately deviate from its plans and procedures with the intent of avoiding responsibility.• Federal agencies will not be evaluated, however, products and equipment turned over to DSHS throughout the exercise will be evaluated as DSHS RCP issued equipment and supporting data.• The exercise may be suspended or terminated due to a real emergency situation.• *Correction-on-the-spot is defined in the FEMA REP Program Manual 2016, Pg. 175. | |

Unclassified
Radiological Emergency Preparedness Program (REP)
After Action Report/Improvement Plan

This page is intentionally blank.