



Nuclear Power Plant Exercise

Davis-Besse Nuclear Power Station

Medical Services Drills and Traffic and Access Control

Radiological Emergency Preparedness Program

Final After-Action Report/Improvement Plan

Exercise Date: November 28, 29, & December 20, 2023

Report Date: January 4, 2024



FEMA

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Executive Summary

On November 28, 29, and December 20, 2023, the Department of Homeland Security (DHS)/Federal Emergency Management Agency (FEMA) Region 5 Radiological Emergency Preparedness (REP) Program staff, evaluated two REP Medical Services (MS-1) Drills in the Emergency Planning Zone and an out-of-sequence Traffic and Access Control (TAC) demonstration for the Davis-Besse Nuclear Power Station.

The purpose of the MS-1 Drills was to assess the capability of the local ambulance service regarding the treatment and transportation of a contaminated, injured individual to a medical facility and to assess the capability of the medical facility to receive, treat, and decontaminate the injured individual without spreading contamination. The MS-1 Drills were conducted in accordance with DHS/FEMA's policies and guidance from the State and local radiological emergency response plans and procedures.

Representatives from the Jerusalem Township Fire Department and St. Charles Hospital participated in the MS-1 for Lucas County. Carroll Township Fire/Emergency Medical Services and Magruder Hospital staff participated in the MS-1 for Ottawa County. Lastly, Lucas County Sheriff Office participated in the out-of-sequence TAC. These representatives demonstrated knowledge of their emergency response plans and procedures and successfully implemented them. The DHS/FEMA evaluation team identified no Findings or Plan Issues.

The DHS/FEMA wishes to acknowledge the efforts of the individuals who participated in the drill and made it a success. The professionalism and teamwork of the participants was evident throughout all phases of the drill.

Section 1: Exercise Overview

Exercise Name	2023 DBNPS Radiological Emergency Preparedness Medical Services Drill and Traffic and Access Control
Type of Exercise	Medical Services Drill
Exercise Date	November 28, 29, and December 20, 2023
Out of Sequence Date(s)	November 28, 2023
Program	Radiological Emergency Preparedness Program
FINAL Scenario Submittal to FEMA	August 21, 2023 (Ottawa County) September 13, 2023 (Lucas County)
FINAL Extent-of-Play Agreement Submittal to FEMA	August 21, 2023 (Ottawa County) September 13, 2023 (Lucas County)
Mission Area	Response, Preparedness, Protection
Core Capabilities	Access Control/Identity Verification
	Critical Transportation
	Environmental Response/Health & Safety
	On-Scene Security, Protection, & Law Enforcement
	Operational Communications
	Operational Coordination
	Planning
	Public Health, Healthcare, & Emergency Medical Services
	Situational Awareness
Participating Organizations	See Appendix C for the extent of play agreement
Evaluated Facilities	See Appendix C for the extent of play agreement
Exercise Planning Team	Federal Emergency Management Agency Ohio Emergency Management Agency Ohio Department of Health Lucas County Emergency Management Agency Ottawa County Emergency Management Agency Energy Harbor, Inc. (Davis-Besse Nuclear Power Station)
FEMA Exercise Evaluation Leadership Team	Sean O'Leary, Regional Assistance Committee Chair Edward Golinski, Exercise Director Todd Trygier, Site Specialist Brian Reinhart, Site Specialist

Section 2: Exercise Design Summary

2.1 Exercise Purpose

The DHS/FEMA administers the Radiological Emergency Preparedness Program pursuant to the regulations found in Title 44 CFR parts §350, 351, 352, 353, and 354. CFR §350 codifies 16 planning standards that form the basis for radiological emergency response planning for the licensee, state, local, tribal, and territorial governments impacted by the emergency planning zones established for each nuclear power plant site in the United States. United States Nuclear Regulatory Commission regulations also codify the 16 planning standards for the licensee. 44 CFR §350 sets forth the mechanisms for the formal review and approval of state, local, tribal, and territorial government radiological emergency response plans and procedures by DHS/FEMA. One of the Radiological Emergency Preparedness Program cornerstones established by these regulations is the biennial exercise of offsite response capabilities. During these exercises, affected state, local, tribal, and territorial governments demonstrate the capability to implement their plans and procedures to protect the health and safety of the public in the event of a radiological incident at a nuclear plant.

The results of this exercise, together with reviews of the radiological emergency response plans and verification of the periodic requirements set forth in NUREG-0654/FEMA-REP-1, Rev. 2, the annual letter of certification, and staff assistance visits, enabled FEMA to provide a statement with the transmission of this final after-action report to the United States Nuclear Regulatory Commission. This statement verifies that the affected state, local, tribal, and territorial plans and preparedness are: (1) adequate to protect the health and safety of the public living in the vicinity of the nuclear power facility by providing reasonable assurance that appropriate protective measures can be taken offsite in the event of a radiological incident; and (2) capable of being implemented. Using the Homeland Security Exercise and Evaluation Program methodology, core capabilities-based planning allows for exercise planning teams to develop exercise objectives and observe exercise outcomes through a framework of specific action items.

2.2 Exercise Core Capabilities

Furthermore, in an effort to strengthen response against catastrophic incidents, DHS/FEMA is aligning the REP Program with the National Preparedness System to ensure that not only preparedness is addressed, but also the five mission areas: prevention, protection, recovery, response, and mitigation. Additionally, the exercise objectives and capability targets assessed meet Radiological Emergency Preparedness Program Manual requirements and objectives. The core capabilities scheduled for demonstration during this exercise were:

- **Access Control/Identity Verification:** Apply a broad range of physical, technological, and cyber measures to control admittance to critical locations and systems, limiting access to authorized individuals to carry out legitimate activities.
- **Critical Transportation:** Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals, and the delivery of vital response personnel, equipment, and services into the affected areas.
- **Environmental Response/Health and Safety:** 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.
- **On-Scene Security, Protection, and Law Enforcement:** Ensure a safe and secure environment through law enforcement and related security and protection operations for people and communities

located within affected areas and also for response personnel engaged in lifesaving and life-sustaining operations.

- **Operational Communication:** 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.
- **Operational Coordination:** Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.
- **Planning:** Conduct a systematic process engaging the whole community as appropriate in the development of executable strategic, operational, and/or community-based approaches to meet defined objectives.
- **Public Health, Healthcare, and Emergency Medical Services:** Provide lifesaving medical treatment via emergency medical services and related operations and avoid additional disease and injury by providing targeted public health and medical support and products to all people in need within the affected area.
- **Situational Awareness:** Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response.

These core capabilities, when successfully demonstrated, meet the exercise objectives. The objectives for this exercise were as follows:

- **Objective 2:** Exposure Control
- **Objective 3:** Alert and Notification
- **Objective 5:** Operate

Section 3: Analysis of Capabilities

3.1 Exercise Evaluation and Results

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the Medical Services Drills and the out-of-sequence Traffic and Access Control demonstration conducted November 28, 29, and December 20, 2023. Each jurisdiction and functional entity were evaluated based on the demonstration of objectives, core capabilities, and capability targets as delineated in the DHS/FEMA Radiological Emergency Preparedness Program Manual dated December 2019. Capability Targets are listed by number and the demonstration status of those capability targets are indicated by the use of the following terms:

- **Met (M):** The jurisdiction or functional entity performed all activities under the objective/capability target to the level required per the work plan and/or the extent-of-play agreement, with no level 1 or level 2 findings evaluated under that objective/capability target during the current activity and no unresolved prior level 2 finding(s).
- **Level 1 Finding (L1):** An observed or identified inadequacy of organizational performance during an assessment activity that could cause a determination that offsite emergency preparedness is not adequate to provide reasonable assurance that appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of a nuclear power plant.
- **Level 2 Finding (L2):** An observed or identified inadequacy of organizational performance during an assessment activity that is not considered, by itself, to adversely impact public health and safety.
- **Plan Issue (P):** An observed or identified inadequacy in the offsite response organization's emergency plan/implementing procedures, rather than in that of the offsite response organization's performance.
- **Not Applicable (NA):** The objective/capability target does not apply to the jurisdiction.
- **Not Selected (NS):** For a justifiable reason, the jurisdiction or functional entity did not perform assessment activities under the objective/capability target as specified in the extent-of-play agreement.

Table 3.1.1 Summary – Lucas County

SITE: Davis-Besse Nuclear Power Station DATE: November 28 and December 20, 2023 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Jerusalem Township Fire Department	St. Charles Hospital	Lucas County Sheriff Office
Objective 1: Emergency Operations Management Capability Targets			
1.1: Mobilization	NA	NA	NA
1.2: Direction and Control	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA	NA
Objective 2: Exposure Control Capability Targets			
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	M	M	M
Objective 3: Alert and Notification Capability Targets			
3.1: Communications	NA	NA	M
3.2: Alert and Notification of the Public	NA	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets			
4.1: Field Monitoring Teams Management	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA
Objective 5: Operate Capability Targets			
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	M	M	NA
5.4: Traffic and Access Control	NA	NA	M

Table 3.1.2 Summary – Ottawa County

SITE: Davis-Besse Nuclear Power Station DATE: November 29, 2023 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Carroll Township Fire/EMS	Magruder Hospital
Objective 1: Emergency Operations Management Capability Targets		
1.1: Mobilization	NA	NA
1.2: Direction and Control	NA	NA
1.3: Protective Action Recommendations	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA
Objective 2: Exposure Control Capability Targets		
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NA
2.2: Emergency Worker Exposure Control Management	M	M
Objective 3: Alert and Notification Capability Targets		
3.1: Communications	NA	NA
3.2: Alert and Notification of the Public	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets		
4.1: Field Monitoring Teams Management	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA
4.4: Laboratory Operations	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA
Objective 5: Operate Capability Targets		
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	M	M
5.4: Traffic and Access Control	NA	NA

3.2 Detailed Results of Exercise Evaluation

The Homeland Security Exercise and Evaluation Program methodology is an analytical process used to assess the demonstration of specific capabilities during an exercise. A capability provides a means to perform one or more capability targets under specified conditions and to specific performance standards. Core capabilities form the foundation of the Department of Homeland Security/Federal Emergency Management Agency Region 5 Radiological Emergency Preparedness Program evaluations. Each jurisdiction's standalone capability summaries are provided below.

3.2.1 Lucas County

3.2.1.1 Jerusalem Township Fire Department

Capability Target: 2.2 Emergency Worker Exposure Control Management

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Capability Target: 5.3 Transportation and Treatment of Contaminated Injured Individuals

Core Capabilities: Environmental Response/Health and Safety; Public Health, Healthcare, and Emergency Medical Services; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

3.2.1.2 St. Charles Hospital

Capability Target: 2.2 Emergency Worker Exposure Control Management

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Capability Target: 5.3 Transportation and Treatment of Contaminated Injured Individuals
Core Capabilities: Environmental Response/Health and Safety; Public Health, Healthcare, and Emergency Medical Services; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

3.2.1.3 Lucas County Sheriff Office

Capability Target: 2.2 Emergency Worker Exposure Control Management
Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Capability Target: 3.1 Communication
Core Capabilities: Operational Communications; Operational Coordination; Situational Awareness; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Capability Target: 5.4 Traffic and Access Control
Core Capabilities: Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Awareness

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

3.2.2 Ottawa County

3.2.2.1 Carroll Township Fire/Emergency Management Services

Capability Target: 2.2 Emergency Worker Exposure Control Management

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Capability Target: 5.3 Transportation and Treatment of Contaminated Injured Individuals

Core Capabilities: Environmental Response/Health and Safety; Public Health, Healthcare, and Emergency Medical Services; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

3.2.2.2 Magruder Hospital

Capability Target: 2.2 Emergency Worker Exposure Control Management

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Capability Target: 5.3 Transportation and Treatment of Contaminated Injured Individuals

Core Capabilities: Environmental Response/Health and Safety; Public Health, Healthcare, and Emergency Medical Services; Planning

All activities described in the capability target were carried out in accordance with the plan, procedures, and extent-of-play agreement.

In summary, the status of DHS/FEMA evaluated Capability Target and Core Capabilities is as follows:

MET: The Capability Target and Core Capabilities identified in the DHS/FEMA approved extent-of-play agreement.

Section 4: Conclusion

DHS/FEMA assesses offsite response organization preparedness on an ongoing basis in accordance with Title 44 C.F.R. § 350, 351, 352, 353, and 354 planning standards, the DHS/FEMA REP Program Manual guidance, the National Preparedness Goal, and through the assessment of selected core capabilities and capability targets. This report documents the demonstration-based assessment activities pursuant to the core capabilities and capability targets selected for the Jerusalem Township Fire Department, St. Charles Hospital, Carroll Township Fire/Emergency Medical Services, and Magruder Hospital Medical Services (MS-1) Drill and Lucas County Sheriff Office out-of-sequence Traffic and Access Control (TAC) demonstration.

The analysis of capabilities in Section 3 described the State of Ohio's Davis-Besse Nuclear Power Station offsite response capabilities and actions taken during November 28, 29 and December 20, 2023, MS-1 drills, and out-of-sequence TAC. The demonstration-based assessment activities evaluated by objectives, core capabilities, and capability targets were successfully demonstrated. All offsite response organizations demonstrated knowledge of their emergency response plans and procedures and successfully demonstrated the ability to protect the health and safety of the public in the event of an incident involving the Davis-Besse Nuclear Power Station.

The DHS/FEMA evaluation team identified no Findings or Plan Issues identified for Lucas County and Ottawa County.

Based on the results of this Medical Services Drill and the out-of-sequence TAC, the planning and preparedness for the State of Ohio and affected local jurisdictions provide reasonable assurance that appropriate measures can be taken to protect public health and safety. Therefore, Title 44 C.F.R. § 350, 351, 352, 353, and 354, approval of the offsite radiological emergency response plans and preparedness for the State of Ohio, Lucas County, and Ottawa County remains in effect.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals and organizations who participated and made this exercise a success.

Appendix A: Evaluation Team

EXERCISE DATES: November 28, 29, and December 20, 2023

SITE: Davis-Besse Nuclear Power Station

Exercise Management	Name	Agency/ Organization
Chair, Regional Assistance Committee	Sean O’Leary	DHS/FEMA
Exercise Director	Edward Golinski	DHS/FEMA
Ohio Site Specialist	Todd Trygier	DHS/FEMA
Ohio Site Specialist	Brian Reinhart	DHS/FEMA

Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
Lucas County		
Jerusalem Township Fire Department	Todd Trygier	DHS/FEMA
St. Charles Hospital	Brian Reinhart	DHS/FEMA
Traffic and Access Control	Todd Trygier	DHS/FEMA
	Brian Reinhart	DHS/FEMA
Ottawa County		
Carroll Township Fire Department	Todd Trygier	DHS/FEMA
Magruder Hospital	Brian Reinhart	DHS/FEMA

Appendix B: Acronyms and Abbreviations

ACRONYM	DESCRIPTION
CD V	Civil Defense Victoreen
CFR	Code of Federal Regulations
cpm	counts per minute
DCO	Dosimetry Coordinator Officer
DHS	Department of Homeland Security
DRD	Direct-Reading Dosimeter
ECL	Emergency Classification Level
EMA	Emergency Management Agency
EMS	Emergency Medical Services
EST	Eastern Standard Time
FEMA	Federal Emergency Management Agency
KI	potassium iodide
MHz	megahertz
mR	micro-roentgen
MS-1	Medical Services
NUREG	United States Nuclear Regulatory Commission Regulation
PPE	Personal Protection Equipment
R	Roentgen
REA	Radiation Emergency Area
rem	Roentgen equivalent man
REP	Radiological Emergency Preparedness
RRT	Radiological Response Team
SAE	Site Area Emergency
TAC	Traffic and Access Control
TACP	Traffic and Access Control Points

Appendix C: Extent-of-Play Agreements

Nuclear Power Plant Exercise

Davis-Besse Nuclear Power Station

Radiological Emergency Preparedness (REP) Program

Extent-of-Play Agreement for Lucas County



December 11th, 2023

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Section 1: Exercise Overview

Overarching Purpose

The purpose of this extent of play agreement (EOP) identifies the conditions that will be used to conduct, control and evaluate the 2023 Davis-Besse Nuclear Power Plant MS-1 and TACP Evaluated Exercise, as agreed to by the offsite response organizations and Federal Emergency Management Agency (FEMA) Region 5, Radiological Assistance Committee (RAC) Chair.

The extent-of-play agreement is negotiated during the exercise planning process and documents deviations from activities as described in plans and procedures for exercise demonstration purposes. The extent-of-play agreement identifies the capability targets that will be evaluated during the exercise, including any exceptions, as well as the entities responsible for demonstrating the capability targets.

Scope

The exercise has Out-of-Sequence field demonstration activities.

Out of Sequence activities will be managed by the Lead Controller at each field location and will be run independently. All demonstrations will commence promptly and, barring any complications, not continue past the end time. (See Table – 1)

Demonstration Windows

Demonstration windows are those periods of time designated in the exercise during which specified demonstrations will be accomplished.

The schedule of activities including OROs, locations, dates, and times for In-Sequence, Field and Out-of-Sequence Play activities are summarized in Table 1 below. Additional information is provided in Section 4.

Table 1 – Schedule of Activities

Activity	ORO/Location	Date/Time
Transportation of Contaminated Injured Individuals	Jerusalem Township Fire Department	Wednesday, November 28 th , 2023 8:00 a.m. (estimated)
Treatment of Contaminated Injured Individual	St. Charles Hospital	Wednesday, December 20 th , 2023 11:00 a.m. (estimated)
Traffic/Access Control (TACP)	Lucas County EOC	Wednesday, November 28 th , 2023 2:00 p.m.

Re-demonstration

All activities will be demonstrated fully in accordance with respective plans and procedures as they would be in an actual emergency. This extent-of-play agreement is written by exception. If an exception is not included below then the activity will be demonstrated as described in plans and/or procedures. Any issue or discrepancy arising during the MS-1 or TACP Exercise may be re-demonstrated during the week of exercise play, (November, 28th, 2023, if allowed by the RAC Chair, or as listed in Section 5. This allowance may be granted if it is not disruptive to exercise play and is mutually agreed to by the lead offsite response organization controller and lead FEMA evaluator. Issues resolved as a result of a re-demonstration will be noted as Findings resolved through re-demonstration.

Activities, Core Capabilities, and Exercise Objectives

Activity	Core Capability	Exercise Objective
Transportation of Contaminated Injured Individuals	Public health Healthcare, Emergency Medical Services; Planning	Objective 2: Exposure Control Objective 3: Alert and Notification Objective 5: Operate
Treatment of Contaminated Injured Individual	Public health Healthcare, Emergency Medical Services; Planning	Objective 2: Exposure Control Objective 3: Alert and Notification Objective 5: Operate
Traffic and Access Control	Access Control Operational Coordination Critical Transportation	Objective 2: Exposure Control Objective 3: Alert and Notification Objective 5: Operate

Section 2: Extent-of-Play Agreement

Standards & References

Lucas County OROs will use the following references, plans, and procedures during exercise play:

- Lucas County Radiological Emergency Response Plan, Revision 34, January 2023.
- DHS/FEMA REP Program Manual December 2019
- NUREG 0654/FEMA REP 1 Rev. 2
- Lucas County Suggested Operational Guidance, latest revisions.

Exercise Participants

County and local Offsite Response Organizations (ORO) that will participate in this exercise may include but are not limited to the following:

- Lucas County Sheriff's Office
- Jerusalem Township Fire/EMS
- St. Charles Hospital

Signatures & Conditions

The following agree to support this exercise as described herein:

Exercise Director	Representative of Participating Organization
Abby Buchhop Director Lucas County EMA	Tony Parasiliti Chief Jerusalem Fire Department
	Laura DiMario, RN BSN Emergency Department Manager St. Charles Hospital
	John Leach Lucas County Sheriff Lucas County Sheriff's Office

Section 3: Objectives and Exceptions

Objective 2: Exposure Control

Capability Target 2.2: Emergency Worker Exposure Control Management

Emergency workers manage radiological exposure and dose in accordance with the plans/procedures.

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning reference: *NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)*

Core Capabilities: *Operational Coordination; Environmental Response/Health and Safety; Planning*

Exercise Parameters: *DRDs, PRDs and KI for emergency workers and institutionalized individuals are pre-distributed and described in the Lucas County Radiological Emergency Response Plan (RERP) and SOGs. In the event that the use of KI is recommended, players will simulate taking KI.*

Assessment	Venue	Extent of Play
Maintain an appropriate inventory of DRDs that are leak-tested or current in calibration.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exceptions
Maintain an appropriate inventory of PRDs.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exceptions
Retain an adequate supply of radio-protective drugs.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exception
Adequately distribute appropriate DRDs and PRDs.	Jerusalem Township Fire, St. Charles Hospital, Lucas	No Exception

Assessment	Venue	Extent of Play
	County Sheriff's Office	
Adequately distribute radio-protective drugs to emergency workers.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exception
Emergency workers must demonstrate basic knowledge of procedures for using KI and the use of dosimeters whether or not the scenario drives the implementation of KI use. This can be accomplished by an interview with the evaluator.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exception
Record and report exposures in the field.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exception
Implement decisions to administer radio-protective drugs.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	Exception: Ingestion of KI will be simulated.
Report to individual responsible for managing exposure and dose when limits are reached.	Jerusalem Township Fire, St. Charles Hospital, Lucas County Sheriff's Office	No Exception
Implement exposure control decisions to members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.	Not Selected	Performed during county RRRR exercise.

Objective 3: Alert and Notification

Capability Target 3.1: Communications

Communication processes, systems, and equipment are sufficient to support emergency operations.

Intent: The capability to provide and maintain reliable communications with emergency personnel.

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

Core Capabilities: Operational Communications; Operational Coordination; Situational Awareness; Planning

Exercise Parameters: Lucas County will demonstrate multiple communications systems during the MS-1 exercise and TACP interview. Communications to the out-of-sequence venues will be simulated.

Assessment	Venue	Extent of Play
Utilize communication systems that are fully functional, continuously available, and redundant.	Jerusalem Township Fire/St. Charles/Lucas County Sheriff's Office	No Exceptions
Maintain periodic test results and corrective actions on a real time basis.	Jerusalem Township Fire/St. Charles/Lucas County Sheriff's Office	No Exceptions
Access at least one communication system that is independent of the commercial telephone system.	Jerusalem Township Fire/St. Charles/Lucas County Sheriff's Office	No Exceptions
Manage the communication systems and ensure that all message traffic is handled without delays that might disrupt emergency operations.	Jerusalem Township Fire/St. Charles/Lucas County Sheriff's Office	No Exceptions
Identify and address any failures of the systems.	Jerusalem Township Fire/St. Charles/Lucas County Sheriff's Office	No Exceptions
Transmit, receive, and understand messages (i.e., "content check").	Jerusalem Township Fire/St. Charles/Lucas	No Exceptions

Assessment	Venue	Extent of Play
	County Sheriff's Office	

Objective 5: Operate

Capability Target 5.3: Transportation and Treatment of Contaminated Individuals

Transport contaminated, injured individuals to medical facilities with the capability to monitor and decontaminate.

***Intent:** The capability to provide medical transport and treatment services to contaminated, injured individuals.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.d, F.2, H.11, H.12, J.2, K.3, K.4, L.1, L.3, L.4, and O.1)*

***Core Capabilities:** Environmental Response/Health and Safety; Public Health, Healthcare, Emergency Medical Services; Planning*

***Exercise Parameters:** The transportation and treatment of contaminated individuals will be demonstrated by Jerusalem Township Fire Department (transportation), and St. Charles Hospital (treatment).*

Assessment	Venue	Extent of Play
Transport contaminated, injured individuals to medical facilities.	Jerusalem Township Fire Department	The actual transport will occur at Jerusalem Township Fire/EMS to St. Charles Hospital.
Maintain communications between the medical transportation provider and the receiving medical facility.	Jerusalem Township Fire Department, St. Charles Hospital	No Exception
Operationally check instruments and equipment.	Jerusalem Township Fire Department, St. Charles Hospital	No Exception
Set-up, activate, and operate an REA.	St. Charles Hospital	No Exception
Monitor and decontaminate the individual, equipment, and other items.	St. Charles Hospital	No Exception

Capability Target 5.4: Traffic and Access Control

Appropriate traffic and access control is established; accurate instructions are provided to traffic and access control staff.

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning reference: *NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)*

Core Capabilities: *Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment.*

Exercise Parameters: *The Traffic Access and Control Point (TACP) ability to provide instructions to TACP providers will be demonstrated through an interview with the Law Enforcement Coordinator in the Lucas County EOC. The TACP function will be demonstrated by an interview at TACP venue. No actual control point will be set up. Equipment will be available for inspection.*

Assessment	Venue	Extent of Play
Select, establish, and staff appropriate TCP/ACPs, consistent with current conditions and PADs (e.g., evacuating, sheltering, and relocation), in a timely manner.	Lucas County EOC	Exception: Will be demonstrated in Lucas County EOC
Provide instructions to TACP staff on actions to take, including when modifications in protective action strategies necessitate changes in evacuation patterns or in the area(s) where access is controlled.	Lucas County EOC	Exception: Will be demonstrated in Lucas County EOC
Contact the state or Federal agencies that have the authority for the different transportation modes (e.g., rail, water, and air traffic).	Not Applicable	State Function

Assessment	Venue	Extent of Play
Identify and take appropriate actions concerning impediments that affect the evacuation and evacuation routes.	Lucas County EOC	Exception: Will be demonstrated in Lucas County EOC
Make the decision to re-route traffic and coordinate with key decision-makers and the JIC to ensure the alternate route information is appropriately communicated to evacuees.	Not Applicable	Demonstrated during HAB exercise
Establish procedures to control access to and monitor people and vehicles from the evacuated and restricted areas.	Not Selected	Restricted area access accomplished during county RRRR exercise.
Authorize reentry of individuals into the restricted areas.	Not Selected	Accomplished during county RRRR exercise.
Establish exit procedures.	Not Selected	Accomplished during county RRRR exercise.

Section 4: Demonstration Locations, Dates, Times, and Contacts

TUESDAY, November 28, 2023

PATIENT TRANSPORT – JERUSALEM TOWNSHIP FIRE/EMS		
Address:	Jerusalem Township Fire/EMS 9501 Jerusalem Rd Curtice, OH 43412	
Contact:	Jordan Westgate	
Telephone:	419-392-4897	
Action Location:	Same as above	
Date:	Wednesday, November 28 th , 2023	
Time:	8:00 a.m. – 9:30 a.m. (estimated)	

WEDNESDAY December 20, 2023

PATIENT TREATMENT – ST. CHARLES HOSPITAL		
Address:	St. Charles Hospital 2600 Navarre Ave Oregon, OH 43616	
Contact:	Jordan Westgate	
Telephone:	419-392-4897	
Action Location:	Same as above	
Date:	Wednesday, December 20 th , 2023	
Time:	11:00 a.m. – 12:30 a.m. (estimated)	

TUESDAY, November 28, 2023

Traffic Access and Control		
Address:	Lucas County EOC 2144 Monroe Toledo, OH 43604	
Contact:	Jordan Westgate	
Telephone:	419-392-4897	
Action Location:	Same as above	
Date:	Wednesday, November 28 th , 2023	
Time:	2:00 p.m.	

Section 5: Back-up Documentation

Re-demonstration Capability Targets

2.2 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

5.3 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

5.4 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

5.4 – May be re-demonstrated as approved on a case-by-case basis by the Chairman of the Regional Assistance Committee

5.4 -- Reentry – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

Section 6: Acronyms

Acronym	Term
EOC	Emergency Operations Center
EWDC	Emergency Worker Decontamination Center
LC911	Lucas County 911 Regional Council of Governments
FD	Fire Department
ICP	Incident Command Post
JIC	Joint Information Center
LCEMA	Lucas County Emergency Management Agency
LCSO	Lucas County Sheriff's Office
ORO	Offsite Response Organization
RRRR	Relocate, Reenter, Return
HAB	Hostile Action Based
TACP	Traffic Access and Control Point

Medical Services Exercise

Davis-Besse Nuclear Power Station

Radiological Emergency Preparedness (REP) Program

Extent-of-Play Agreement for Ottawa County



November 29, 2023

Extent-of-Play Agreement

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Section 1: Exercise Overview

Overarching Purpose

The purpose of this extent of play agreement (EOP) identifies the conditions that will be used to conduct, control and evaluate the 2023 Ottawa County Medical Services exercise, as agreed to by the offsite response organizations and Federal Emergency Management Agency (FEMA) Region 5, Radiological Assistance Committee (RAC) Chair.

The extent-of-play agreement is negotiated during the exercise planning process and documents deviations from activities as described in plans and procedures for exercise demonstration purposes. The extent-of-play agreement identifies the capability targets that will be evaluated during the exercise, including any exceptions, as well as the entities responsible for demonstrating the capability targets.

Scope

The exercise has Out-of-Sequence field demonstration activities.

Out of Sequence activities will be managed by the Lead Controller at each field location and will be run independently. All demonstrations will commence promptly and, barring any complications, not continue past the end time. (See Table – 1)

Demonstration Windows

Demonstration windows are those periods of time designated in the exercise during which specified demonstrations will be accomplished.

The schedule of activities including OROs, locations, dates, and times for Out-of-Sequence Field Play activities are summarized in Table 1 below. Additional information is provided in Section 4.

Table 1 – Schedule of Activities

Activity	ORO/Location	Date/Time
Transportation of Contaminated Injured Individuals	Carroll Township Fire/EMS	Thursday, November 29, 2023 8:00 a.m. (estimated)
Treatment of Contaminated Injured Individuals	Magruder Hospital	Thursday, November 29, 2023 9:30 a.m. (estimated)

Re-demonstration

All activities will be demonstrated fully in accordance with respective plans and procedures as they would be in an actual emergency. This extent-of-play agreement is written by exception. If an exception is not included below then the activity will be demonstrated as described in plans and/or procedures. Any issue or discrepancy arising during the Medical Services Exercise may be re-demonstrated during the week of the exercise, November 29, 2023, if allowed by the RAC Chair, or as listed in Section 5. This allowance may be granted if it is not disruptive to exercise play and

is mutually agreed to by the lead offsite response organization controller and lead FEMA evaluator. Issues resolved as a result of a re-demonstration will be noted as Findings resolved through re-demonstration.

Activities, Core Capabilities, and Exercise Objectives

Activity	Core Capability	Exercise Objective
Transportation of Contaminated Injured Individuals	Environmental Response/Health and Safety; Public Health, Healthcare, Emergency Medical Services; Planning	Objective 2: Exposure Control Objective 5: Operate
Treatment of Contaminated Injured Individuals	Environmental Response/Health and Safety; Public Health, Healthcare, Emergency Medical Services; Planning	Objective 2: Exposure Control Objective 5: Operate

Section 2: Extent-of-Play Agreement

Standards & References

Ottawa County OROs will use the following references, plans, and procedures during exercise play:

- Ottawa County Radiological Emergency Response Plan, Revision 36, January 2023.
- DHS/FEMA REP Program Manual December 2019
- NUREG 0654/FEMA REP 1 Rev. 2
- Ottawa County Suggested Operational Guidance, latest revisions.

Exercise Participants

County and local Offsite Response Organizations (ORO) that will participate in this exercise may include but are not limited to the following:

- Carroll Township Fire/EMS
- Magruder Hospital

Signatures & Conditions

The following agree to support this exercise as described herein:

Exercise Director	Representative of Participating Organization
Fred Petersen Director Ottawa County EMA	John Brough Chief Carroll Township Fire/EMS
	Nick Marsico President & CEO Magruder Hospital

Section 3: Objectives and Exceptions

Objective 1: Emergency Operations Management

Capability Target 1.1: Mobilization

Individuals with roles in support of emergency operations are identified, alerted, and mobilized in a timely manner.

***Intent:** The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)*

***Core Capabilities:** Operational Coordination, Planning*

***Exercise Parameters:** Not selected for this exercise.*

Capability Target 1.2: Direction and Control

Individuals in leadership roles provide direction and control to the portion of the overall response effort for which they are responsible.

***Intent:** The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)*

***Core Capabilities:** Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning*

***Exercise Parameters:** Not selected for this exercise.*

Capability Target 1.3 Protective Action Recommendations

Appropriate PARs are selected based on available information and other factors.

***Intent:** The capability to use dose assessment and field data, compare this data to the PAGs, and choose among a range of protective actions those most appropriate in a given emergency.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (D.4, J.7, J.8, J.8.b, J.9, and O.1)*

***Core Capabilities:** Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Planning*

***Exercise Parameters:** Not Selected, this is a Licensee and State Function.*

Capability Target 1.4 Protective Action Decisions for the Plume Phase

Appropriate PADs are based on available information for the plume phase.

Intent: *The capability to utilize appropriate factors and necessary coordination in the decision-making process used to make PADs for the public.*

Planning reference: *NUREG-0654/FEMA-REP-1, Rev. 2 (D.1.b, D.4, J.6, J.7, J.8, J.8.b, J.10, J.10.a, J.10.b, J.11.c-g, and O.1)*

Core Capabilities: *Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Critical Transportation; Planning.*

Exercise Parameters: *Not selected for this exercise.*

Capability Target 1.5 Protective Action Decision Implementation for the Plume Phase

Implement decisions for those populations and areas subject to plume phase protective actions.

Intent: *The capability to implement precautionary protective action and/or PADs, including evacuation and/or sheltering, for all populations within the plume and ingestion exposure pathway EPZs. The populations include those with access and functional needs, students, and institutionalized individuals.*

Planning reference: *NUREG-0654/FEMA-REP-1, Rev. 2 (A.4, C.2.a, G.1, J.11, J.11.a, J.11.b, J.11.c, J.11.e, J.11.g, and O.1)*

Core Capabilities: *Operational Coordination; Public Information and Warning; Environmental Response/Health and Safety; Critical Transportation; Health and Social Services; Housing; Natural and Cultural Resources; Planning*

Exercise Parameters: *Not selected for this exercise.*

Capability Target 1.6 Protective Action Decisions for the Post-Plume

Appropriate PADs are based on available information for the post-plume phase.

Intent: *The capability to assess the radiological consequences for the ingestion exposure pathway and post-plume phase, relate them to the appropriate PAGs, and make and coordinate timely, appropriate PADs to mitigate exposure.*

Planning references: *NUREG-0654/FEMA-REP-1, Rev. 2 (J.12, J.14, J.14.a-f, M.1, M.1.b, M.4, M.5, M.6, M.7, M.8, and O.1)*

Core Capabilities: *Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Critical Transportation; Housing; Planning*

Exercise Parameters: *Not Selected for this exercise.*

Capability Target 1.7 Protective Action Decision Implementation for the Post-Plume Phase

Implement decisions for those populations and areas subject to post-plume phase protective actions.

Intent: *The capability to implement and coordinate PADs to mitigate exposure and address long-term radiological consequences.*

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2, J.12, J.14, J.14.a-f, M.1, M.1.b, M.4, M.5, M.6, M.7, M.8, and O.1)

Core Capabilities: *Operational Coordination; Public Information and Warning; Environmental Response/Health and Safety; Critical Transportation; Health and Social Services; Housing; Natural and Cultural Resources; Planning*

Exercise Parameters: *Not Selected for this exercise.*

Objective 2: Exposure Control

Capability Target 2.1: Emergency Worker Exposure Control Decision-Making Process

A decision-making process involving consideration of appropriate factors and necessary coordination is used to ensure that an exposure control system is in place for emergency workers and includes the use of radioprotective drugs and procedures to authorize emergency exposures in excess of the PAGs.

Intent: *The capability to assess and control the radiation exposure and dose received by emergency workers and utilize a decision-making chain to authorize emergency worker exposure limits to be exceeded for specific missions.*

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, K.2, K.2.b, K.3, K.3.a, M.1.b, M.8, and O.1)

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Planning

Exercise Parameters: Not selected for this exercise.

Capability Target 2.2: Emergency Worker Exposure Control Management

Emergency workers manage radiological exposure and dose in accordance with the plans/procedures.

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Planning

Exercise Parameters DRDs, PRDs, and KI for emergency workers and institutionalized individuals are pre-distributed and described in the Ottawa County Radiological Emergency Response Plan (RERP) and SOGs. In the event that the use of KI is recommended, players will simulate taking KI.

Assessment	Venue	Extent of Play
Maintain an appropriate inventory of DRDs that are leak-tested or current in calibration.	Carroll Township Fire/EMS Magruder Hospital	No Exceptions
Maintain an appropriate inventory of PRDs.	Carroll Township Fire/EMS	No Exceptions

Assessment	Venue	Extent of Play
	Magruder Hospital	
Retain an adequate supply of radio-protective drugs.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Adequately distribute appropriate DRDs and PRDs.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Adequately distribute radio-protective drugs to emergency workers.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Record and report exposures in the field.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Implement decisions to administer radio-protective drugs.	Carroll Township Fire/EMS Magruder Hospital	Exception: Ingestion of KI will be simulated.
Report to individual responsible for managing exposure and dose when limits are reached.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Implement exposure control decisions to members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.	Not Selected	Performed during county RRRR exercise.

Objective 3: Alert and Notification

Capability Target 3.1: Communications

Communication processes, systems, and equipment are sufficient to support emergency operations.

Intent: The capability to provide and maintain reliable communications with emergency personnel.

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

Core Capabilities: Operational Communications; Operational Coordination; Situational Awareness; Planning

Exercise Parameters: Not selected for this exercise.

Capability Target 3.2: Alert and Notification of the Public

Alert and notification of the public is completed in a timely manner.

Intent: The capability to provide instructions to the public.

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, F.3, and O.1)

Core Capabilities: Public Information and Warning; Planning

Exercise Parameters: Not selected for this exercise.

Capability Target 3.3: Emergency Information & Instructions for the Public & News Media

Accurate emergency information and instructions are provided to the public and the news media in a timely manner.

Intent: The capability to disseminate emergency information and instructions to the public during all phases of an incident.

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, G.1, G.2, G.3, G.3.a, G.4, G.5, and O.1)

Core Capabilities: Public Information and Warning; Planning

Exercise Parameters: Not selected for this exercise.

Objective 4: Detect Measure, Sample, Analyze, and Access

Exercise Parameters: Not Applicable: Entire objective is a State Function in both the plume and post-plume phases. Ottawa County relies on dose projections and recommendations from the Davis-Besse Nuclear Power Station and the State of Ohio for evacuation, shelter-in-place, and Potassium Iodide usage recommendations.

Objective 5: Operate

Capability Target 5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees

Facilities, equipment, and procedures are in place and utilized to provide monitoring, decontamination, identification, temporary shelter, congregate care, and registration of evacuees.

***Intent:** The capability to implement radiological monitoring and decontamination of evacuees, and to identify, register, temporarily shelter, and provide congregate care for evacuees at reception centers.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (J.11.d, J.13, K.4, and O.1)*

***Core Capabilities:** Operational Coordination; Environmental Response/Health and Safety; Mass Care; Planning*

***Exercise Parameters:** Not selected for this exercise.*

Capability Target 5.2: Monitoring and Decontamination of Emergency Workers, Equipment, and Vehicles

Facilities, equipment, and procedures are in place and utilized to provide monitoring and decontamination of emergency workers and their equipment and vehicles.

***Intent:** The capability to implement radiological monitoring and decontamination of emergency workers, equipment, and vehicles.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (K.4 and O.1)*

***Core Capabilities:** Operational Coordination; Environmental Response/Health and Safety; Planning*

***Exercise Parameters:** Not selected for this exercise.*

Capability Target 5.3: Transportation and Treatment of Contaminated Individuals

Transport contaminated, injured individuals to medical facilities with the capability to monitor and decontaminate.

***Intent:** The capability to provide medical transport and treatment services to contaminated, injured individuals.*

***Planning reference:** NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.d, F.2, H.11, H.12, J.2, K.3, K.4, L.1, L.3, L.4, and O.1)*

***Core Capabilities:** Environmental Response/Health and Safety; Public Health, Healthcare, Emergency Medical Services; Planning*

***Exercise Parameters:** Carroll Township Fire/EMS will be the transportation provider for this exercise. Magruder Hospital will be the treatment facility for this exercise.*

Assessment	Venue	Extent of Play
Transport contaminated, injured individuals to medical facilities.	Carroll Township Fire/EMS	The actual transport will occur at Carroll Township Fire/EMS to Magruder Hospital
Maintain communications between the medical transportation provider and the receiving medical facility.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Operationally check instruments and equipment.	Carroll Township Fire/EMS Magruder Hospital	No Exception
Set-up, activate, and operate an REA.	Magruder Hospital	No Exception
Monitor and decontaminate the individual, equipment, and other items.	Magruder Hospital	No Exception

Capability Target 5.4: Traffic and Access Control

Appropriate traffic and access control is established; accurate instructions are provided to traffic and access control staff.

Intent: The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

Core Capabilities: Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment.

Exercise Parameters: Not selected for this exercise.

Section 4: Demonstration Locations, Dates, Times, and Contacts

THURSDAY, NOVEMBER 29, 2023

PATIENT TRANSPORT – CARROLL TOWNSHIP FIRE/EMS		
Address:	Carroll Township Fire/EMS 11080 W. Toussaint East Oak Harbor, OH 43449	
Contact:	Mike Drusbacky	
Telephone:	419-681-0328	
Action Location:	Same as above	
Date:	Thursday, November 29, 2023	
Time:	8:00 a.m. – 9:30 a.m. (estimated)	

PATIENT TREATMENT – MAGRUDER HOSPITAL		
Address:	Magruder Hospital 615 Fulton Street Port Clinton, OH 43452	
Contact:	Mike Drusbacky	
Telephone:	419-392-4897	
Action Location:	Same as above	
Date:	Thursday, November 29, 2023	
Time:	9:30 a.m. – 11:00 a.m. (estimated)	

Section 5: Back-up Documentation

Re-demonstration Capability Targets

- 1.1 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 1.2 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader OR may be re-demonstrated as approved on a case-by-case basis by the Chairperson of the Regional Assistance Committee
- 1.3 – May be re-demonstrated as approved on a case-by-case basis by the Chairperson of the Regional Assistance Committee
- 1.4 – May be re-demonstrated as approved on a case-by-case basis by the Chairman of the Regional Assistance Committee
- 1.4 – May be re-demonstrated as approved on a case-by-case basis by the Chairman of the Regional Assistance Committee
- 1.5 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 1.6 – May be re-demonstrated as approved on a case-by-case basis by the Chairman of the Regional Assistance Committee
- 1.7 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 2.1 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 2.2 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 3.1 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 3.2 – May be re-demonstrated as approved on a case-by-case basis by the Chairman of the Regional Assistance Committee
- 3.3 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader OR may be re-demonstrated as approved on a case-by-case basis by the Chairperson of the Regional Assistance Committee
- 5.1 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader
- 5.2 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

5.3 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

5.4 – May be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader

Section 6: Acronyms

Acronym	Term
OCEMA	Ottawa County Emergency Management Agency
ORO	Offsite Response Organization
REA	Radiation Emergency Area
RRRR	Relocate, Reenter, Return