



FEMA

August 26, 2024

Sima Merick
Executive Director
Ohio Emergency Management Agency
2855 West Dublin-Granville Road
Columbus, Ohio 43235-2206

Dear Director Merick:

Enclosed is a copy of the Final After-Action Report/Improvement Plan (AAR/IP), for the Beaver Valley Power Station Radiological Emergency Preparedness, Full Participation, Plume Exposure Pathway demonstration with Columbiana County participation in a Recovery, Reentry, Return, and Reoccupancy demonstration, conducted on June 10, 11, and 12, 2024.

The exercises resulted in no Level 1 Findings, no Level 2 Findings, and no Plan Issues for the State of Ohio and Columbiana County.

Based on the results of the exercise, the planning and preparedness for both the State of Ohio and the affected local jurisdictions continue to provide reasonable assurance that appropriate measures can be taken to protect the public health and safety. Therefore, regulatory approval of the offsite radiological emergency response plans and preparedness program remains in effect under Title 44 of the Code of Federal Regulations Part 350.

If you have any questions, please contact S.P. O'Leary, Chair, Regional Assistance Committee at (312) 408-5389.

Sincerely,

**MICHAEL S
CHESNEY** Digitally signed by
MICHAEL S CHESNEY
Date: 2024.08.26
13:14:07 -05'00'

for Thomas C. Sivak
Regional Administrator

Attachment:

BVPS 2024 Final AAR.pdf

Cc: DHS/FEMA Headquarters

NRC Region III

NRC Headquarters Document Control Desk



Nuclear Power Plant Exercise

Beaver Valley Power Station

Radiological Emergency Preparedness Exercise

Radiological Emergency Preparedness Program

Final After-Action Report/Improvement Plan

Exercise Date: June 11, 2024

Report Date: August 26, 2024



FEMA

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Executive Summary

On June 11, 2024, the U.S. Department of Homeland Security, Federal Emergency Management Agency (DHS/FEMA) Region 5 evaluated a Radiological Emergency Preparedness Program, Full Participation, Plume Exposure Pathway Exercise in the 10-mile Emergency Planning Zone (EPZ) for the Beaver Valley Power Station (BVPS). Columbiana County also participated in a Recovery, Reentry, Return, and Reoccupancy (RRRR) exercise which is required as part of their 8-year cycle of evaluations.

The BVPS is located 22 miles northwest of Pittsburgh, Pennsylvania. The BVPS 10-mile Plume Exposure Pathway EPZ encompasses part of Columbiana County, Ohio, part of Beaver County, Pennsylvania, and Hancock County, West Virginia.

The purpose of the exercise was to assess the level of state and local preparedness in responding to an incident at the BVPS. This exercise was conducted in accordance with DHS/FEMA's policies and guidance concerning the exercise of State and Local radiological emergency response plans and procedures. The previous federally evaluated exercise for this site was conducted on June 7, 2022. The qualifying emergency preparedness exercise was conducted on November 28, 1984.

Officials and representatives from participating agencies and organizations demonstrated knowledge of their emergency response plans and procedures, and successfully implemented them during the exercise and out-of-sequence activities. All jurisdictions met the exercise objectives and successfully demonstrated the corresponding core capabilities identified in Section 2.2 of this report. No Findings or Plan Issues were identified during this exercise.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 325 individuals participated in the offsite portion of the exercise, including local volunteers and BVPS owner/operator personnel. It was apparent that a great deal of preparation and training was conducted by the offsite response organizations to successfully demonstrate the ability to protect the health and safety of the public. They provided the necessary support and resources to respond to an incident at the BVPS.

Section 1: Exercise Overview

Exercise Name	2024 Beaver Valley Power Station Radiological Emergency Preparedness Exercise	
Type of Exercise	Full Participation Plume Exercise and RRRR	
Exercise Date	June 11, 2024	
Out of Sequence Date(s)	June 10, 2024 & June 12, 2024	
Program	Radiological Emergency Preparedness Program	
FINAL Scenario Submittal to DHS/FEMA	April 29, 2024	
FINAL Extent-of-Play Agreement Submittal to DHS/FEMA	State of Ohio: January 24, 2024 Columbiana County: January 17, 2024	
Mission Area	Response, Mitigation, Protection	
Core Capabilities	Access Control/Identity Verification	On-Scene Security, Protection, & Law Enforcement
	Critical Transportation	Operational Communication
	Environmental Response/Health & Safety	Operational Coordination
	Health & Social Services	Planning
	Housing	Public Health, Healthcare, & Emergency Medical Services
	Mass Care Services	Public Information & Warning
	Natural & Cultural Resources	Situational Assessment
Participating Organizations	See Appendix B for the list of participating organizations	
Evaluated Facilities	See Appendix F for the extent of play agreement	
Exercise Planning Team	Ohio Emergency Management Agency Ohio Department of Health Columbiana County Emergency Management Agency Vistra Corp. (Beaver Valley Power Station)	
FEMA/DHS Exercise Evaluation Leadership Team	Sean O'Leary, RAC Chair Edward Golinski, Exercise Director Stephen Tulley, Assistant Director Todd Trygier, Site Specialist	

Section 2: Exercise Design Summary

2.1 Exercise Purpose

The Department of Homeland Security's Federal Emergency Management Agency (DHS/FEMA) administers the Radiological Emergency Preparedness Program (REPP) pursuant to the regulations found in Title 44 of the Code of Federal Regulations (C.F.R.) parts §350, 351, 352, 353, and 354. Part 350 of these regulations 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. The United States Nuclear Regulatory Commission's (NRC) regulations also codify the 16 planning standards for the licensee. Part 350 of FEMA's regulations 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 REPP 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 DHS/FEMA to provide a statement with the transmission of a final after-action report to the NRC. 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 REPP 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.

- **Health and Social Services:** Restore and improve health and social services networks to promote the resilience, independence, health (including behavioral health), and well-being of the whole community.
- **Housing:** Implement housing solutions that effectively support the needs of the whole community and contribute to its sustainability and resilience.
- **Mass Care Services:** Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies. Move and deliver resources and capabilities to meet the needs of disaster survivors, including individuals with access and functional needs.
- **Natural and Cultural Resources:** Protect natural and cultural resources and historic properties through appropriate planning, mitigation, response, and recovery actions to preserve, conserve, rehabilitate, and restore them consistent with post-disaster community priorities and best practices and in compliance with appropriate environmental and historical preservation laws and executive orders.
- **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 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.
- **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.
- **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.
- **Public Information and Warning:** Deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard and, as appropriate, the actions being taken, and the assistance being made available.
- **Situational Assessment:** 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 1:** Emergency Operations Management
- **Objective 2:** Exposure Control
- **Objective 3:** Alert and Notification
- **Objective 4:** Detect, Measure, Sample, Analyze, and Assess
- **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 June 11, 2024, plume exposure pathway exercise and out-of-sequence activities conducted the week of June 10, 2024, and June 12, 2024.

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 - State of Ohio In-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 11, 2024 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Public Info/Media Brief	State Liaisons at Columbiana County EOC
Objective 1: Emergency Operations Management Capability Targets		
1.1: Mobilization	M	M
1.2: Direction and Control	M	M
1.3: Protective Action Recommendations	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	MA
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	NA	NA
Objective 3: Alert and Notification Capability Targets		
3.1: Communications	M	M
3.2: Alert and Notification of the Public	NA	NA
3.3: Emergency Information and Instructions Public and News Media	M	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	NA	NA
5.4: Traffic and Access Control	NA	NA

Table 3.1.2 Summary – Columbiana County In-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 11, 2024 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Initial Notification	EOC - Operations Room	EOC – Executive Room
Objective 1: Emergency Operations Management Capability Targets			
1.1: Mobilization	M	M	NA
1.2: Direction and Control	NA	M	M
1.3: Protective Action Recommendations	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	M
1.5: Protective Action Decision Implementation Plume Phase	NA	M	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	M	M
2.2: Emergency Worker Exposure Control Management	NA	M	M
Objective 3: Alert and Notification Capability Targets			
3.1: Communications	M	M	NA
3.2: Alert and Notification of the Public	NA	M	NA
3.3: Emergency Information and Instructions Public and News Media	NA	M	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	NA	NA	NA
5.4: Traffic and Access Control	NA	M	NA

Table 3.1.3 Summary – Columbiana County Out-of-Sequence Activity (6/10/2024)

SITE: Beaver Valley Power Station DATE: June 10, 2024 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	DC Briefing – EW Mon/Decontamination	EW - Mon/Decontamination	EW Vehicles - Mon/Decontamination
Objective 1: Emergency Operations Management Capability Targets			
1.1: Mobilization	NA	NA	NA
1.2: Direction and Control	M	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	NA
Objective 3: Alert and Notification Capability Targets			
3.1: Communications	M	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	M	M
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA
5.4: Traffic and Access Control	NA	NA	NA

Table 3.1.4 Summary - Columbiana County Out-of-Sequence Activity (6/11/2024)

SITE: Beaver Valley Power Station DATE: June 11, 2024 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Traffic/Access Control Briefing	Traffic/Access Control Interview	School Transport	School Interview	MARCS COMM Check
Objective 1: Emergency Operations Management Capability Targets					
1.1: Mobilization	NA	NA	NA	NA	NA
1.2: Direction and Control	NA	NA	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	M	M	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA	NA	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA	NA	NA	NA
Objective 2: Exposure Control Capability Targets					
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NA	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	M	M	M	M	NA
Objective 3: Alert and Notification Capability Targets					
3.1: Communications	M	M	M	M	M
3.2: Alert and Notification of the Public	NA	NA	NA	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets					
4.1: Field Monitoring Teams Management	NA	NA	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA	NA	NA
Objective 5: Operate Capability Targets					
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA	NA
5.4: Traffic and Access Control	NA	M	NA	NA	NA

Table 3.1.5 Summary - Columbiana County Out-of-Sequence Activity (6/12/2024)

SITE: Beaver Valley Power Station DATE: June 12, 2024 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	RRRR	Congregate Care Center	DC Briefing – Reception Center	Reception Center – Registration	Mon/Decon - Evacuees	Mon/Decon – Evacuee Vehicles
Objective 1: Emergency Operations Management Capability Targets						
1.1: Mobilization	NA	NA	NA	NA	NA	NA
1.2: Direction and Control	M	NA	M	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	NA	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	M	NA	NA	NA	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	M	NA	NA	NA	NA	NA
Objective 2: Exposure Control Capability Targets						
2.1: Emergency Worker Exposure Control Decision-Making Process	M	NA	NA	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	M	NA	M	NA	M	NA
Objective 3: Alert and Notification Capability Targets						
3.1: Communications	M	NA	M	NA	NA	M
3.2: Alert and Notification of the Public	NA	NA	NA	NA	NA	NA
3.3: Emergency Information and Instructions Public and News Media	M	NA	NA	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets						
4.1: Field Monitoring Teams Management	NA	NA	NA	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA	NA	NA	NA
Objective 5: Operate Capability Targets						
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	M	NA	M	M	M
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA	NA	NA
5.4: Traffic and Access Control	M	NA	NA	NA	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 State of Ohio In-Sequence

3.2.1.1 Public Information/Media Brief

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; 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: 1.2 Direction and Control

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

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: 3.3 Emergency Information and Instructions for the Public and News Media
Core Capabilities: Public Information and Warning; 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 State Liaisons at Columbiana County EOC

Capability Target: 1.1 Mobilization
Core Capabilities: Operational Coordination; 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: 1.2 Direction and Control
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

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.

3.2.2 Columbiana County In-Sequence

3.2.2.1 Initial Notification

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; 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.

3.2.2.2 EOC – Operations Room

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; 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: 1.2 Direction and Control

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

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: 1.5 Proactive Action Decision Implementation for the Plume Phase

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

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: 2.1 Emergency Worker Exposure Control Decision-Making Process

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; 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: 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: 3.2 Alert and Notification to the Public

Core Capabilities: Public Information and Warning; 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: 3.3 Emergency Information and Instructions for the Public and News Media

Core Capabilities: Public Information and Warning; 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 Assessment

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.

3.2.2.3 EOC – Executive Room

Capability Target: 1.2 Direction and Control

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

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: 1.4 Proactive Action Decisions for the Public

**Core Capabilities: Operational Coordination; Environmental Response/Health and Safety;
Situational Assessment; Critical Transportation; 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: 2.1 Emergency Worker Exposure Control Decision-Making Process

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

3.2.3 Columbiana County Out-of-Sequence

3.2.3.1 DC Briefing – EW Monitoring/Decontamination

Capability Target: 1.2 Direction and Control

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

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: 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.

3.2.3.2 EW – Monitoring/Decontamination

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: 5.2 Monitoring and Decontamination of Emergency workers, Equipment, and Vehicles

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.

3.2.3.3 EW Vehicles – Monitoring/Decontamination

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: 5.2 Monitoring and Decontamination of Emergency workers, Equipment, and Vehicles

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.

3.2.3.4 Traffic/Access Control Briefing

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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.

3.2.3.5 Traffic/Access Control Interview

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 Assessment

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.

3.2.3.6 School Transport

Capability Target: 1.5 Proactive Action Decision Implementation for the Plume Phase

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

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: 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.

3.2.3.7 School Interview

Capability Target: 1.5 Proactive Action Decision Implementation for the Plume Phase

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

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: 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.

3.2.3.8 Recovery, Reentry, Return, and Reoccupancy

Capability Target: 1.2 Direction and Control

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

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: 1.6 Protective Action Decisions for the Post-Plume Phase

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Critical Transportation; Housing; 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: 1.7 Protective Action Decision Implementation for the Post-Plume Phase

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

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: 2.1 Emergency Worker Exposure Control Decision-Making Process

Core Capabilities: Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; 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: 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: 3.3 Emergency Information and Instructions for the Public and News Media

Core Capabilities: Public Information and Warning; 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 Assessment

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.

3.2.3.9 Congregate Care Center

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

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

3.2.3.10 DC Briefing – Reception Center

Capability Target: 1.2 Direction and Control

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

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: 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.

3.2.3.10 Reception Center – Registration

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

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

3.2.3.11 Monitoring/Decontamination - Evacuees

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

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

3.2.3.11 Monitoring/Decontamination - Evacuees

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

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

The DHS/FEMA assesses offsite response organization preparedness on an ongoing basis which meets the intent of the 44 CFR §350 planning standards and, through the assessment of selected core capabilities, the National Preparedness Goal.

The analysis of capabilities in Section 3 described the State of Ohio offsite response capabilities. Overall, the exercise was a success. The demonstration-based assessment activities evaluated by core capabilities, objectives, 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 Beaver Valley Power Station.

Based on the results of this exercise and DHS/FEMA's review of the 2024 Annual Letter of Certification submitted by the State of Ohio, the offsite radiological emergency response plans and preparedness of the State of Ohio and the affected local jurisdictions site-specific to the Beaver Valley Power Station can be implemented. They are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of an emergency at the site. The Title 44 CFR, Part §350 approval of the offsite radiological emergency response plans and preparedness site-specific to the Beaver Valley Power Station will remain in effect.

Appendix A: Exercise Timeline

Beaver Valley Power Station 2024 Exercise Timeline

Emergency Classification Level Event or Action	Time Utility Declared	Time (EDT) that Notification Was Received or Action Was Taken		
		EOF	COLUMBIANA County	BVPS JPIC
Unusual Event:	NA	NA	NA	NA
Alert:	1622	1709	1641	NA
Site Area Emergency:	1754	1754	1806	1808
General Emergency:	1930	1930	1940	1933
Release of Rad Material Started:	1930	1930	1940	1933
Release of Rad Material Terminated:	---	---	---	---
Facility Declared Operational:		1707	1650	1745
Declaration of STATE Emergency:		1859	1821	---
Declaration of LOCAL Emergency: <u>Columbiana County</u>		NA	1805	1805
Exercise Terminated		2109	2044	2100
Early Precautionary Action Recommendations:				
1. Relocate School Children:		NA	NA	---
2. Restrict Boating Traffic:		NA	1736	1715
3. Restrict Air and Rail Traffic:		1838	1842	---
4. Close Parks:		NA	1736	1715
5. Livestock Advisory:		1830	1822	1830
General Information Message Only: <u>Siren Sounded 1828 & EAS 1831</u>		NA	1818	N/A
1 st Protective Action Recommendation: <u>Evacuate Sub-Areas 1 & 2</u> State PAR[s] to County:		2010	1959	1930
1 st Protective Action Decision[s] – County PAD[s]: <input type="checkbox"/> No Action <input type="checkbox"/> Shelter-In-Place Sub-Areas: <input checked="" type="checkbox"/> Evacuate Sub-Areas: <u>1 & 2</u> DRD Correction Values: 5R → <input type="checkbox"/> R; 3R → <input type="checkbox"/> R; 1R → <input type="checkbox"/> R <input checked="" type="checkbox"/> NA		2033	2004	N/A
1st Siren Activation:		2033	2015	N/A
1st EAS/EBS Message:		2033	2018	N/A
KI Administration Recommendation:				
Emergency Workers: <input checked="" type="checkbox"/> PAR/PAD: Sub-Area <u>1 & 2</u>		2033	2008	---
Institutionalized Persons: <input checked="" type="checkbox"/> PAR/PAD: Sub-Area <u>1 & 2</u>		2033	2008	---
General Public: <input checked="" type="checkbox"/> PAR/PAD: Sub-Area <u>1 & 2</u>		2033	2008	---

Appendix B: Participating Organizations

Federal Organizations

U.S. Department of Homeland Security/Federal Emergency Management Agency

State of Ohio

Ohio Department of Health

Ohio Emergency Management Agency

Ohio State Highway Patrol

Ohio State University Extension

Columbiana County

Columbiana County and State Department of Agriculture

Columbiana County Community Emergency Response Team

Columbiana County Department of Job and Family Services

Columbiana County Emergency Management Agency

Columbiana County Engineers Office

Columbiana County Health Department

Columbiana County Highway Department

Columbiana County Mental Health and Recovery Services

Columbiana Emergency Medical Services Columbiana County Sheriff's Office

County Commissioners

County Educational Service Center

County Engineer

County GIS

County Sheriff

County Soil and Water Conservation District

East Liverpool Fire Department

East Liverpool School District

East Palestine Fire Department

Hanoverton Fire Department

Highlandtown Fire Department

Lisbon Fire Department

Middleton Township Fire Department

New Waterford Fire Department

New Waterford Fire Department Emergency Medical Services

REP Contract Support

West Point Fire Department

Other Counties

Ashtabula County Emergency Management Agency

Lake County Emergency Management Agency

Geauga County Emergency Management Agency

Ottawa County Emergency Management Agency

Private Organizations

American Red Cross of Greater Akron and Mahoning Valley
East Palestine Amateur Radio Club
Lisbon Area Amateur Radio Association
Triangle Amateur Radio Club
Vistra Corp, (BVPS Owner/Operator)

Appendix C: Evaluation Team

Exercise Management	Name	Agency/ Organization
Chair, Regional Assistance Committee	Sean O’Leary	DHS/FEMA
Exercise Director	Edward Golinski	DHS/FEMA
Assistant Exercise Director	Stephen Tulley	DHS/FEMA
Ohio Site Specialist	Todd Trygier	DHS/FEMA
Team Leader – State of Ohio	Brian Reinhart	DHS/FEMA
Team Leader – Columbiana County	David Persaud	DHS/FEMA
Contractor Evaluator Support – Regional Coordinator	Marcy Campbell	Cadmus
Contractor Scenario Technical Reviewer	John Wills	Cadmus

Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
State of Ohio		
Public Information/Media Brief	Steve Watts	Cadmus
State Liaisons at Columbiana County EOC	Marynette Herndon	Cadmus
Columbiana County		
Initial Notification	Todd Trygier	DHS/FEMA
EOC – Operations Room	James Greer	Cadmus
EOC – Operations Room	Meg Swearingen	Cadmus
EOC – Operations Room	Danielle Coetzee	DHS/FEMA
EOC – Executive Room	Angie Cloutier	DHS/FEMA
DC Briefing – EW Mon/Decontamination	Gary Bolender	Cadmus
EW - Monitoring/Decontamination	Kevin Leuer	Cadmus
EW Vehicles - Monitoring/Decontamination	Denny Wilford	Cadmus
Traffic/Access Control Briefing	Terry Blackmon	Cadmus
Traffic/Access Control Interview	Danielle Coetzee	DHS/FEMA
School Transport	Ed Diaz	DHS/FEMA
School Interview	Ed Diaz	DHS/FEMA
MARCS COMM Check	Angie Cloutier	DHS/FEMA
Recovery, Reentry, Return, and Reoccupancy	Jill Leatherman	Cadmus
Recovery, Reentry, Return, and Reoccupancy	Gary Bolender	Cadmus
Recovery, Reentry, Return, and Reoccupancy	Rosemary Samsel	Cadmus
Congregate Care Center	Meg Swearingen	Cadmus
DC Briefing – Reception Center	Terry Blackmon	Cadmus
Monitoring/Decontamination - Evacuees	Kevin Leuer	Cadmus
Monitoring/Decontamination – Evacuee Vehicles	Denny Wilford	Cadmus

Appendix D: Acronyms and Abbreviations

ACRONYM	DESCRIPTION
ARC	American Red Cross
ARES	Amateur Radio Emergency Service
CD V	Civil Defense Victoreen
CFR	Code of Federal Regulations
cpm	counts per minute
Cs	Cesium
DC	Dosimetry Coordinator
DHS	Department of Homeland Security
DHS/FEMA	Department of Homeland Security/Federal Emergency Management Agency
DPH	Department of Public Health
DRD	Direct-Reading Dosimeter
EAS	Emergency Alert System
ECL	Emergency Classification Level
EDT	Eastern Daylight Time
EMA	Emergency Management Agency
EMD	Emergency Management Director
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPZ	Emergency Planning Zone
ESP	Emergency Support Function
EW	Emergency Worker
FD	Fire Department
FEMA	Federal Emergency Management Agency
GIS	Geographic Information System
HF	High Frequency
IC	Incident Commander
IPAWS	Integrated Public Alert & Warning System
IZRRAG	State Ingestion Zone Recovery and Reentry
JIC	Joint Information Center
KI	potassium iodide
LAARA	Lisbon Area Amateur Radio Association
MARCS	Multi-Agency Radio Communication System
mg	milli-gram
MHz	megahertz

UNCLASSIFIED

ACRONYM	DESCRIPTION
mR	milli-Roentgen
NRC	Nuclear Regulatory Commission
ODAT	Ohio Department of Transportation
ODH	Ohio Department of Health
Ohio EMA	Ohio Emergency Management Agency
PAD	Protective Action Decisions
PAOC	Post Accident Operations Committee
PAG	Protective Action Guidelines
PAR	Protective Action Recommendations
PIO	Public Information Officer
PRD	Permanent Record Dosimeter
R	Roentgen
RAC	Regional Assistance Committee
rem	Roentgen equivalent man
REP	Radiological Emergency Preparedness
REPP	Radiological Emergency Preparedness Program
REV	Revision
REVOC	Re-entry Verification and Orientation
RO	Radiological Officer
RRRR	Recovery, Reentry, Return, and Reoccupancy
RZ	Restricted Zone
SOG	Suggested Operating Guidelines
SR	State Route
State EOC	State of Ohio Emergency Operations Center
TACP	Traffic and Access Control Point
TED	total effective dose
TLD	thermoluminescence dosimeter
UHF	Ultra-High Frequency
VHF	Very High Frequency
VHF	Very High Frequency

Appendix E: Onsite/Offsite Scenario Timeline

NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
4:00 PM Exercise begins at Utility								
	1	4:00 PM		<p>THIS IS AN EXERCISE.</p> <p>From National Weather Service:</p> <p>Afternoon: Temps in low 60's. Cloudy skies. Winds from the southwest at 6 mph. Chance of rain 0%.</p> <p>Evening: Temps falling to mid 40's. Partly cloudy skies. Winds from the southwest at 12 mph. Chance of rain 0%.</p> <p>THIS IS AN EXERCISE.</p>	Email	National Weather Service (SimCell Email)	EMA Watch	After the State EOC is activated, Assessment may share information with State EOC.

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	2	4:03 PM		THIS IS AN EXERCISE. The current weather is: <ul style="list-style-type: none"> • Wind direction from: 45° • Wind speed: 8 mph • Stability class: F • Precipitation: none • Overcast THIS IS AN EXERCISE.	Email	National Weather Service (SimCell Email)	EMA Watch	After the State EOC is activated, Assessment may share information with State EOC.
4:45 PM Alert (declared at 4:30 PM)								

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	3	5:00 PM		<p>THIS IS AN EXERCISE.</p> <p>The current weather is:</p> <ul style="list-style-type: none"> • Wind direction from: 45° • Wind speed: 8 mph • Stability class: F • Precipitation: none • Overcast <p>THIS IS AN EXERCISE.</p>	Email	National Weather Service (SimCell Email)	EMA Watch	After the State EOC is activated, Assessment may share information with State EOC.

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	4	5:05 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Dispatcher Williams at Lisbon Dispatch Center. We are currently handling an influx of vehicular traffic westbound into East Liverpool, Columbiana County, from Chester, West Virginia on US-30. Lisbon Post Troopers are currently assisting the East Liverpool Police Department with an injury crash on the US-30 bridge, which has shut down the westbound lanes. Pennsylvania State Police have shut down traffic on US-30 westbound at PA Route 18, and are diverting vehicular traffic onto Ohio US-22 via the Veteran's Memorial Bridge in</p>	Phone	SimCell (Lisbon Dispatch Center)	OSP Watch Desk (614-799-6633)	The Watch Desk will contact the St. Clairsville Dispatch Center at the SimCell number provided for situational awareness, and ODOT via ESF-1 to request signage.

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				<p>Steubenville, Jefferson County. Please contact the St. Clairsville Dispatch Center at 614-799-3561 and ESF-1 to advise them of the traffic diversion from Pennsylvania into their AOR. In addition, please request traffic control signage from ESF-1 on US-22.</p> <p>THIS IS AN EXERCISE.</p>				

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	5	After Evac Order for Exective Room		THIS IS AN EXERCISE. Lt Stauffer I'm informing you I received notice something is ongoing at Beaver Valley THIS IS AN EXERCISE.	Phone	Simcell ESF-9	ESF9	Once approved by Exec notify them and DNR command staff, LE Administrators to clear DNR property and close boat ramps

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	6	6:00 PM		THIS IS AN EXERCISE. The current weather is:• Wind direction from: 45° • Wind speed: 8 mph• Stability class: F• Precipitation: none• Overcast THIS IS AN EXERCISE.	Email	National Weather Service(SimCell Email)	EMA Watch	After the State EOC is activated, Assessment may share information with State EOC.

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	7	6:01 PM		<p>THIS IS AN EXERCISE.</p> <p>Hi, this is Renee. Director Dr. Bruce Vanderhoff has requested information ahead of his Executive Meeting in the next hour. He needs a list of hospital/medical facilities that can detect and care for patients that are contaminated potentially in the 50-mile radius.</p> <p>He is requesting information on at least (3) facilities immediately – one primary and at least one outside of plume. For each one he wants to know capability to evaluate exposure, number of radiologically trained</p>	Email	Sim Cell ESF-8	ESF-8 Desk (Supervisor)	<p>Bureau Chief should reach out to ESF-8 to obtain this information. ESF-8 should work to put together a list of the hospitals if not already available within the 50 mile radius. ESF #8 should be able to identify there how many impacted RHCs.</p> <p>Also provide information on the 3 requested facilities.</p>

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				<p>staff, and description of support service capabilities.</p> <p>THIS IS AN EXERCISE.</p>				

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	8	6:05 PM		THIS IS AN EXERCISE Lt.Stauffer advising I need additional officers to close boat ramps on the Ohio River. All NRO personnel closing Parks and Forest facilities. THIS IS AN EXERCISE	Phone	Simcell ESF-9	ESF9	Notify DNR Command staff and NRO Law administrator to call in additional resources. Check Dispatch for other district NRO's
6:17 PM Site Area Emergency (declared at 6:02 PM)								
	9	6:17 PM		THIS IS AN EXERCISE. This is Henry Ford from the Jefferson county EMA we looking to establish pre-identified reception centers and begin process of preparing shelters to be opened for people that cannot return home can you provide	Phone	Sim Cell ESF-6	Field Desk	outreach to ARC to establish reception center (believe the plan says they can have it open w/in 2hrs of notification). Mission created to ARC for establishment of reception center. Mission created to ARC for RFI for shelter locations,

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				any assistance? THIS IS AN EXERCISE.				capacities, and estimated opening time. [Food, Hydration, Shelter lifeline ~ mass care services core capability (response)]
	10	6:18 PM		THIS IS AN EXERCISE. This is Major Hendrix of OSHP Operations. I understand through the Warren and Cambridge Districts that there is an some sort of incident in Pennsylvania that is causing an influx of vehicular traffic into Ohio, which is causing some minor traffic flow issues. I haven't seen any emails on this incident... Please provide the	Phone	SimCell (Major Hendrix)	OSP Watch Desk (614-799-6633)	The Watch Desk will provide an email to rraines@dps.ohio.gov (simulating the Senior Staff Quickstep) with a summary of the incident, as known at the time. Additional updates should be sent as significant information is received throughout the incident.

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				<p>appropriate email notifications to the Senior Staff at rraines@dps.ohio.gov, as we are receiving inquiries from the Governor's and Director's Offices.</p> <p>THIS IS AN EXERCISE.</p>				

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	11	6:18 PM		<p>THIS IS AN EXERCISE.</p> <p>Hi, this is Robert Disch with the City of Steubenville We have heard there are problems at the Beaver Valley Nuclear plant. Should we be doing anything to respond?</p> <p>THIS IS AN EXERCISE.</p>	Phone	Simcell ESF-3	ESF-3 Desk	DDAGW advise

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	12	6:20 PM		<p>THIS IS AN EXERCISE.</p> <p>People want to know where to get KI.</p> <p>THIS IS AN EXERCISE.</p>	Direct Delivery	Public Inquiry	JIC Manager	

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	13	6:22 PM		<p>THIS IS AN EXERCISE</p> <p>This is Noah Strain from the Jefferson County EMA, There is a train derailment at the Mingo Junction near Steubenville, Ohio. There is an unkown chemical leaking from several cars and one car is on fire. Local fire departments are requesting State HAZMAT response and Fire Suppression assistance.(Further information can be provided on callback, train is carrying alcohol-based product).</p> <p>THIS IS AN EXERCISE</p>	Phone	Simcell ESF-4	Field Desk	Fire response plan activated. HAZMAT handled by appropriate section.

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	14	6:23 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Jeff Hightower, I have a field of soybeans in Bergholz, OH at the intersection of route 49 and Hwy 276 that may have come into contact with a pesticide that is not approved for use. Can samples be collected and tested? My phone number is 614-799-3559</p> <p>THIS IS AN EXERCISE.</p> <p>PROVIDE IF REQUESTED:</p>	Phone	Sim Cell ESF-11	ESF-11 Desk	ESF 11 should route the call to the ODA Division of Plant Health, Pesticide Section

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	15	6:35 PM		<p>THIS IS AN EXERCISE</p> <p>This is Scott from the DOC. We received a call on the BHP line requesting information for decontamination of pets who were out doors, please see if you are able to get any information back to us so we can get this back out to them. They would also like to know if shelter in place orders have been issued or will be issued soon. Thank you</p> <p>THIS IS AN EXERCISE</p>	Email	Sim Cell ESF-8	ESF-8 Desk	ESF-8 desk should work with ESF-10 to get the information that was requested and provide that information back to the DOC.

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	16	6:40 PM		<p>THIS IS AN EXERCISE</p> <p>DNR dispatch informing you Supervisor Carter with Wildlife is on duty and asked if we needed anything</p> <p>THIS IS AN EXERCISE</p>	Phone	Simcell ESF-9	ESF9	Once approved by Exec notify him to find officers to evacuate Wildlife Areas and Alert Wildlife staff at affected properties.
	17	6:40 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Paul McCarthy with the East Liverpool Water Treatment Plant, we are running low on water in our storage tank and would like to open our intake in order to top off our tanks.</p> <p>THIS IS AN EXERCISE.</p>	Phone	Simcell ESF-3	ESF-3 Desk	DDAGW evaluate situation and advise

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	18	6:41 PM		<p>THIS IS AN EXERCISE</p> <p>This is Harry Allen from Columbiana County EMA, we are requesting road closures.</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-1	ESF-1 Desk	Columbiana county would probably go direct with the ODOT liaison in their EMA and the liaison would report this out to the ESF1 desk and record it in OHGO. ESF-1 desk should call the simcell back asking for assistance from District 11.
	19	6:41 PM		<p>THIS IS AN EXERCISE:</p> <p>This is Dan Smith I am the ER on call Duty Officer, there is a Citizen report to the OEPA Spill Hotline: Citizen calling from rest area at intersection of SR7 and SR213 in Saline Twp., Jefferson Co. Citizen reports a terrible odor and smoke coming from rail tanker; train is stopped on the</p>	Phone	Sim Cell ESF-10	ESF-10 Desk	monitor situation and await info from OSC. Information sharing with ESF-4/PUCO

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				<p>railroad tracks along the Ohio River near Yellow Creek. OSC Dan Smith has been notified and will provide updates.</p> <p>THIS IS AN EXERCISE.</p>				

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	20	6:45 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Richard from OEMS and we are requesting a statewide list of facilities that can detect radiation and provide medical care throughout Ohio. This is due to the number of contaminated individuals that have evacuated the area and will need to seek medical attention outside the region.</p> <p>Does the full list currently contain facilities that can detect radiation and provide medical care/support for contaminated and injured persons? We need to know the following types of facilities:</p>	Phone	Sim Cell ESF-8	ESF-8 Desk	ESF-8 will pull supplemental list from 2016 that was created of all facilities in the state that contains all required information. Note - this list is currently being updated.

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				-public hospitals private hospitals -military hospitals - other emergency medical facilities THIS IS AN EXERCISE.				

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	21	6:49 PM		<p>THIS IS AN EXERCISE.</p> <p>This is James Taylor from the ODA hotline, there is a small egg producer near West Salem, OH (Fath Farms). The farm is located at 10985 Congress Rd. The farmer is reporting he had one chicken test positive for Hi Path AI. They are requesting a followup call for determining what actions they need to take next. The farmers name is Mike Jacoby and he has around 100 layers.</p> <p>THIS IS AN EXERCISE.</p> <p>PROVIDE IF REQUESTED:</p>	Phone	Sim Cell ESF-11	ESF-11 Desk	ESF 11 should route the call to the ODA Division of Food Safety and Animal Industry-State Veterinarian

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	22	6:55 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Carson Bench from Carroll County EMA, there is a livestock trailer overturned in Carrolton, OH at the intersection of route 39 and route 43. The trailer is carrying 45 fat hogs. There appears to be about 5-10 that are hurt. Can AGR remove the hogs from the scene?</p> <p>THIS IS AN EXERCISE.</p> <p>PROVIDE IF REQUESTED:</p>	Phone	Sim Cell ESF-11	Field Desk	ESF 11 should route the call to the ODA Division of Animal Industry-State Veterinarian

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	23	7:00 PM		<p>THIS IS AN EXERCISE</p> <p>There will be a FEMA/ASPR coordination call at 8:00 PM. ESF-8 will need to provide a representative for this call.</p> <p>THIS IS AN EXERCISE</p>	Verbal	Ops Floor Controller	ESF-8 Desk Supervisor	Controller should deliver this inject to the ESF-8 Desk who should determine who from ESF-8 should attend this call, along with coordinating who from ODH should be on this call.

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	24	7:00 PM		<p>THIS IS AN EXERCISE.</p> <p>The current weather is:</p> <ul style="list-style-type: none"> • Wind direction from: 45° • Wind speed: 8 mph • Stability class: F • Precipitation: none • Overcast <p>THIS IS AN EXERCISE.</p>	Email	National Weather Service (SimCell Email)	EMA Watch	After the State EOC is activated, Assessment may share information with State EOC.

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	25	7:07 PM		<p>THIS IS AN EXERCISE.</p> <p>People outside of the 10-mile EPZ are calling and asking what they should do with their livestock.</p> <p>THIS IS AN EXERCISE.</p>	Direct Delivery	Public Inquiry	JIC Manager	

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	26	7:20 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Paul McCarthy with the East Liverpool Water Treatment Plant, we have completed filling our storage and are closing our intake.</p> <p>THIS IS AN EXERCISE.</p>	Phone	Sim Cell ESF-3	ESF-3 Desk	DDAGW Document

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	27	7:23 PM		<p>THIS IS AN EXERCISE</p> <p>This is Renee. The Director is requesting an update on what is going to be reported to the state EOC. I would like for it to be a bullet list that includes anything provided by RHCs, Web EOC mission status, warehouse updates and major events reported through the EOC watch floor. Please send to me ahead of the huddle with executive leadership which is scheduled for 8:00 P.M. Thank you, Renee</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-8	ESF-8 Desk (Supervisor)	<p>ESF-8 desk supervisor should direct the planners at the desk to put together the information requested and send back to Renee and start piecing together their EOC brief.</p> <p>ESF-8 desk will also receive a notification of a Federal meeting occurring at the same time. ESF-8 desk should deconflict the two meeting to ensure attendance at both.</p>

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	28	7:29 PM		THIS IS AN EXERCISE. This is Paul Watta from Columbiana County. I'm curious, what if this thing at the plant becomes bigger and impacts our county? Most of our firefighters are volunteers and with it being Tuesday right after work, we're probably going to need to feed them if this continues on for a while and they're toned out. What options do we have to do so? THIS IS AN EXERCISE.	Phone	Sim Cell ESF-6	Field Desk	Expected action ~ routed to ESF-6. ESF-6 outreach to Salvation Army and VOAD partners to identify a timeframe once activated / requested that feeding operations can begin.

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	29	7:36 PM		<p>THIS IS AN EXERCISE.</p> <p>This is the Harrison County EMA. We received a call from the Harrison County Health Commissioner and they are stating that they have tried multiple time to reach out to the RSS to get an idea as to when the KI will be delivered. They state that they have received no communication from them and when they try to reach out to the RSS directly, the line stated that the number is disconnected. Can someone connect Harrison County Public Health with the RSS? They can be reached at 614-799-3557.</p>	Phone	Sim Cell ESF-8	Mission Control	ESF-8 desk reach out back to warehouse for information on KI. Should coordinate with MCM coordinator to recognize that this county does not receive KI.

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				THIS IS AN EXERCISE.				
7:45 PM General Emergency (declared at 7:30 PM)								

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	30	7:45 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Nick Kinds with the OSC, I have spoken with Norfolk & Southern and determined a Styrene tanker that is backed up on railway due to closure, located at the intersection of SR7 and SR213 in Saline Twp., Jefferson Co, and is venting. NS is concerned about delay and would like to transit; need to know when train will be released.</p> <p>THIS IS AN EXERCISE.</p>	Phone	Sim Cell ESF-10	ESF-10 Desk	OEPA brief circumstances. Brief EFS-4/1 on new information.

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	31	7:47 PM		THIS IS AN EXERCISE. This is Bill Berns from Mahoning County EMA, we are looking for fact sheets on the Beaver Valley Power Station, we want to make them available for the public, where can we direct the public to access them? THIS IS AN EXERCISE	Phone	Sim Cell ESF-8	Field Desk	Walk over to ESF-10 and verify location of the fact sheets and request mission be assigned to ESF-10 and/or ESF-15.
	32	7:47 PM		THIS IS AN EXERCISE. This is Ashley Brent from the Reception Center. We have a guy claiming to be a journalist from Patriot Front News demanding access to evacuees and that we give him information about the 'FEMA Camps' we're sending residents to. There's another guy with him demanding to see the Sheriff to stop this	Phone	Sim Cell ESF-6	ESF-6 Desk	Expected action ~ ask if security is already on scene or if there's a need to coordinate. If no on-scene security, coordinate with ESF-13. Ask for ESF-15 to support public information requests and have someone on site to work with arriving journalists / provide contact information for where to direct

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				forced round-up of free citizens... THIS IS AN EXERCISE.				these types of inquiries

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	33	7:50 PM		<p>THIS IS AN EXERCISE</p> <p>This is John Doe with the Jefferson County EMA, there is a forest fire at the Fernwood State Forest near Bloomingdale, Ohio. The fire is being reported by recreational shooters as being outside the Fernwood Gun Range. Estimated that 10 acres could be involved. Exact address is 11 Twp Rd 181, Bloomingdale. Should we be concerned about the Hidden Hollow Campground adjacent to the fire?</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-4	Field Desk	Coordinate with local fire departments to ensure response for fire suppression and evacuation. Coordinate with ESF-9 to ensure outcomes.

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	34	7:51 PM		<p>THIS IS AN EXERCISE</p> <p>This is Jerry from the DODD, what guidance is there for what PPE is needed for their community homes.</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-8	ESF-8 Desk	ESF-8 desk should communicate with ODH Comms or JIC to develop messaging about necessary PPE in conjunction with ESF-10.
	35	7:51 PM		<p>THIS IS AN EXERCISE</p> <p>This is the OEMA FMT at the Staging Area. We are requesting transportation of 4 with luggage from Don Scott Field for radiological assessment missions. They need to depart in two hours and request the flight time.</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-1	ESF-1 Desk	ESF 1 should log the call in WebEOC in a position log and relay to ODOT Aviation for flight planning and response. Create WebEOC mission and coordinate with appropriate ESF partners.

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	36	7:55 PM		THIS IS AN EXERCISE. This is Josh Parks with the Jefferson County EMA, we need support to establish a Volunteer Reception Center (VRC) to handle Spontaneous Unaffiliated Volunteers (SUVs) and establishment of a donations reception site for cash and goods. THIS IS AN EXERCISE.	Phone	Sim Cell ESF-6	Field Desk	confirmation of Governor's Declaration. Once confirmed, request State Defense Force assets capable of VRC establishment through OHNG Liaison. Coordination w/ ESF-7 to activate donations management plan. Coordination w/ county for potential of using local CERT volunteers to support both operations. Coordination w/ county and/or VOAD for identification of a fiduciary that can receive and distribute cash (pre-identified partner(s) should be in local plan).

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	37	7:55 PM		<p>THIS IS AN EXERCISE.</p> <p>Hi, this is Jeff Kephart with the City of Marietta Water Treatment Plant. We have heard there was an issue at the Beaver Valley nuclear facility and a release has occurred. What should we do?</p> <p>THIS IS AN EXERCISE.</p>	Phone	Sim Cell ESF-3	ESF-3 Desk	DDAGW advise
	38	7:57 PM		<p>THIS IS AN EXERCISE</p> <p>Lt Col. Brown gave the Okay for 4 NRO's from Southeast district to respond and close the river access. Can you stage road closer equipment for pickup</p> <p>THIS IS AN EXERCISE</p>	Phone	Simcell ESF-9	ESF-9 Desk	Notify Lt Stauffer of extra NRO's and then allocate road closer equipment via ESF1 or ESF7

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	39	7:59 PM		<p>THIS IS AN EXERCISE</p> <p>This is Beth from the Department of Aging. We would like information about PPE needs for long-term care centers .</p> <p>THIS IS AN EXERCISE</p>	Email	Simcell ESF-8 (Department of Aging)	ESF-8 Desk	ESF-8 desk should communicate with ODH Comms or JIC to develop messaging about necessary PPE in conjunction with ESF-10.

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	40	8:00 PM		<p>THIS IS AN EXERCISE.</p> <p>The current weather is:</p> <ul style="list-style-type: none"> • Wind direction from: 45° • Wind speed: 8 mph • Stability class: F • Precipitation: none • Overcast <p>THIS IS AN EXERCISE.</p>	Email	National Weather Service (SimCell Email)	EMA Watch	After the State EOC is activated, Assessment may share information with State EOC.

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	41	8:00 PM		<p>THIS IS AN EXERCISE</p> <p>This is ODOT District 11 and we are requesting all available signage to support road closures and detours.</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-1	ESF-1 Desk	ODOT District 11 should contact the ESF 1 Desk and request assistance directly.

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	42	8:02 PM		<p>THIS IS AN EXERCISE.</p> <p>We have received a call from local health jurisdictions that they are receiving a surge of reports from citizens with family members in assisted care facility in Harrison County that need assistance in evacuating patients due to their transportation bus being out of service and have not been able to evacuated.</p> <p>THIS IS AN EXERCISE</p>	Phone	Sim Cell ESF-8	ESF-8 Desk	Work with Dept of Aging and ODH Bureau of Survey and Certification (simcell) and RHCs (simcell) to help relocate.

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	43	8:02 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Grace Weeks from the ODA Hotline, Baker's Golden Dairy at 46761 Carter Road , New Waterford OH reported it received raw milk from a truck that was picking up near the restricted area. What should be done?</p> <p>THIS IS AN EXERCISE.</p> <p>PROVIDE IF REQUESTED:</p>	Phone	Sim Cell ESF-11	ESF-11 Desk	ESF 11 should route the call to the ODA Dairy Division

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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	44	8:05 PM		<p>THIS IS AN EXERCISE</p> <p>This is Lt. Stauffer we have a group of hikers bird watching deep in the trails at Beaver Creek forest. We have to locate approximately 20 in the woods. Air asset available</p> <p>THIS IS AN EXERCISE</p>	Phone	Simcell ESF-9	ESF9	Look for air asset ESF1 ESF13 or DNR air. Look for forestry/wildlife ATV UTV assets coordinate quick response to locate

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	45	8:06 PM		<p>THIS IS AN EXERCISE.</p> <p>This is Jack Strength from Carrol County EMA we have a Senior Living apartment complex manager who called to report that 100 residents in the community all are scared, angry and threatening to vacate their apartments. Apartment manager explained many residents said local resources/ providers are overwhelmed or are simply not responding to calls. Many have various functional and access needs, including using walkers, electric beds, electric scooters, oxygen pumps, cpap machines, and who are on diabetic medicines. (these residents all live independently in their own homes and do not rely on any LTC or Nursing Facility</p>	Phone	ESF-8 Sim Cell	Field Desk	<p>Coming from Carroll county EMA. ESF-8 should work with department of Aging and Ombudsman to coordinate transportation of residents. ESF-8 should also work with HPP to ensure that the RHC's are informed of the situation and coordination with RHC's to assist with those who require specialized equipment to maintain care</p>
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				<p>services). 10 are on chemotherapy and receive outpatient treatments, but cannot travel far to an alternate location. 4 are on dialysis, but the dialysis center is losing workers quickly. Several rely on local public transportation and have no family supports. Many of the local home health providers have abandoned their jobs and have left the area. Can you provide assistance?</p> <p>THIS IS AN EXERCISE</p>				
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NOTES	INJECT #	EST. TIME (Time of MSEL inject)	ACTUAL INJECT DELIVERY TIME	EXERCISE CONTROL MESSAGE (Inject and Message)	INJECT DELIVERY METHOD	FROM (Originating agency, organization, etc.)	TO (Identify recipient of inject)	EXPECTED PLAYER ACTION
	46	8:06 PM		THIS IS AN EXERCISE People are asking if they should be evacuating. THIS IS AN EXERCISE	Direct Delivery	Public Inquiry	JIC Manager	
	47	8:18 PM		THIS IS AN EXERCISE Local OHSP Officers are asking for information on what PPE would be needed to go into the affected area. THIS IS AN EXERCISE	Verbal	Ops Floor Controller	ESF-13 Desk	EOC Controller should deliver inject to ESF-13 to communicate with ESF-8 about inquiring about PPE for OHSP. ESF-8 desk should communicate with ODH Comms or JIC to develop messaging about necessary PPE in conjunction with ESF-10.
8:00 PM Utility Termination								
TBD OPS TERMINATION								

Offsite Response Organizations Continuation of Play			
<p><i>After the drill terminates and before the continuation of play portion, the ERO will leave the EOF. The ORO's will remain in the EOF and continue with the below portion of the drill. Controllers will remain in the EOF to play the roles of Emergency Director and State/County Communicator to allow interaction with the ORO's.</i></p> <p><i>There will be a short pause before the continuation of play starts to allow the ERO to leave the EOF main area and to allow the remaining controllers to inform the ORO players that the remainder of the exercise will be performed in a tabletop fashion in the EOF. Also, ORO players will be informed as to which Controllers will be filling the roles of Emergency Director and State/County Communicator, so they know who to interact with.</i></p>			
<i>To be simulated by Drill Cell ONLY</i>			
<u>1915</u> 3:15	'B' Charging pump is re-started following the replacement of the breaker and overcurrent relay.	CIS-18	<i>CIS to inform ED (controller) of 'B' Charging pump re-start</i>
<u>1918</u> 3:18	<p>Indications of RCS leakage outside containment.</p> <p>RCS pressure lowering. Area Radiation Monitors in the vicinity of the Aux building near charging system show rising radiation levels.</p> <p>Indications support a breach in the charging system outside containment.</p>	CIS-19	<i>CIS to inform ED (controller) of indications of a charging system leak outside containment.</i>
<u>1922</u> 3:22	<p>Containment Radiation Monitor (1RM-219A/B) reading 400 R/hr and rising.</p> <p>SLCRS radiation monitor (RM-1VS-110 HRNG) reading 2E7 and rising.</p>	CIS-20	<i>CIS to inform of rising containment and SLCRS radiation monitors.</i>

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<u>1930</u> 3:30	Containment Radiation Monitor (1RM-219A/B) reading 540 R/hr and steady. SLCRS radiation monitor (RM-1VS-110 HRNG) reading 5E7 and steady.	CIS-21	<i>CIS to inform of containment and SLCRS radiation monitors values.</i>
<u>1930</u> 3:30	A GENERAL EMERGENCY is declared based on EPP-I-1a, EAL FG1.1 Loss of all 3 Fission Product Barriers: <u>FC Loss</u> - Containment Radiation Monitor > Table 1F-2 “FC Loss” – Monitor is reading 540 R/hr <u>RCS Loss</u> - An automatic or manual ECCS (SI) actuation required by Unisolable RCS Leakage <u>CT Loss</u> - Indications of RCS leakage outside containment EAL RG1 conditions are also met. Based on plant conditions and/or Dose Projections, a Protective Action Recommendation is issued as “EVACUATE 2 Mile 360° Radius AND 10 Miles downwind J, K, L, M, N. All others monitor and prepare. KI per State Plan.”	CIS-22	<i>Use provided cue sheet and INF to notify state/local agencies in accordance with NOP-LP-5503, Emergency Notifications. This declaration/notification and PAR issuance/notification is SIMULATED ONLY for offsite agencies. NRC Performance Indicator DEP opportunities WILL NOT be taken for this cue.</i>
<u>1938</u> 3:38	State/County Communicator (controller) will complete the notification of GE.	CIS-23	<i>Cue sheet to direct the State/County Communicator to complete the notification (call/fax) of INF to ORO’s</i>
<u>1943</u> 3:43	EOF Drill Cell may need to participate in GEC Call.	CIS-24	<i>Cue sheet to ED (controller) to participate in GEC call.</i>

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<p><u>2000</u> 4:00</p>	<p>Drill Cell Termination – Once it is confirmed that state/local agencies have demonstrated all objectives, terminate the continuation of play drill cell</p>		<p><i>All plant data relating to the continuation of play portion of the exercise will remain unchanged in the likely event that the ORO's require additional time to demonstrate their objectives. For example, URI information, radiation monitors, etc. will not change from the values given at time 1930.</i></p>
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Appendix F: Extent-of-Play Agreement



Nuclear Power Plant Exercise

Beaver Valley Power Station

Radiological Emergency Preparedness (REP) Program

Extent-of-Play Agreement for the State of Ohio

June 11, 2024

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Section 1: Exercise Overview

Purpose

The purpose of this Extent-of-Play (EOP) Agreement identifies the conditions that will be used to conduct, control and evaluate the 2024 Beaver Valley Power Station (BVPS) 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

Exercise activities for the State of Ohio will occur on June 11, 2023. The State of Ohio will be participating to support Columbiana County. There will be no out-of-sequence activities demonstrated.

Exercise activities will be conducted at the following locations:

- State Initial Warning Point – State Emergency Operations Center (EOC) (Assessment Room)
- State Emergency Operations Center – State EOC
- Dose Assessment – State EOC, BVPS Emergency Operations Facility (EOF), Columbiana County EMA
- Joint Information Center (JIC) – State EOC, BVPS JIC
- County EMA Support – Columbiana County EMA

The participants who will be evaluated at the various locations include:

- BVPS JIC – Utility JIC Public Information Officer (PIO)
- Columbiana County EMA – Ohio EMA County EOC Liaison

The participants who will be observed but not evaluated at the various locations include:

- BVPS EOF – Ohio Department of Health (ODH) EOF Liaison, Ohio Emergency Management Agency (EMA) EOF Liaison
- Columbiana County EMA – ODH County EOC Liaison
- State EOC
 - Assessment Room (AR) – Information & Planning Section Chief
 - Dose Assessment (DA) – FMT Communicator, Formal Line Communicator, Group Supervisor, Quality Assurance (QA) Systems Operator, Radiological Assessment Branch Director, Dose Assessment Systems Operator, Unit Leader
 - Executive Room (ER) – Executives from Department of Public Safety, Ohio Department of Health (ODH), Ohio EMA, and Ohio Environmental Protection Agency (EPA).

- Operations Floor (OPS) – EOC Manager, Operations Section Chief
- State JIC – JIC Manager, JIC Writer, ODH JIC Subject Matter Expert (SME), Social Media Manager, State JIC PIO

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- and out-of-sequence play activities are summarized in Table 1 below. Additional information is provided in Section 4.

Table 1 – Schedule of Activities

(All in-sequence times are approximations.)

Activity	ORO/Location	Date/Time
Pre-Exercise Briefing	State EOC – Room 204 2855 W Dublin-Granville Rd Columbus, OH 43235	June 10, 2024 2:00 PM EDT
Evaluator Briefing	State EOC – Room 120 2855 W Dublin-Granville Rd Columbus, OH 43235	June 11, 2024 3:00 PM EDT
Exercise Activities	State EOC 2855 W Dublin-Granville Rd Columbus, OH 43235	June 11, 2024 ~4:00 PM EDT
	Columbiana County EMA 215 S Market St Lisbon, OH 44432	
	BVPS EOF 135 Cessna Dr Chippewa Twp, PA 15010	
FEMA Debrief	Columbiana County EMA 215 S Market St Lisbon, OH 44432	June 14, 2024 10:00 AM EDT
FEMA Public Meeting	Columbiana County EMA 215 S Market St Lisbon, OH 44432	June 14, 2024 11:00 AM EDT

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.

2019 Capability Targets that will be demonstrated during this exercise and may be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader, include the following: 1.5, 2.2, 4.2, 4.3, 5.1, 5.2, 5.3, Capability Targets may be re-demonstrated as approved on a case-by-case basis by the Chairperson, FEMA Region 5 Regional Assistance Committee: 1.3, 1.4, 2.1, 3.2, 3.3, 5.4.

Re-demonstration will be negotiated between the Lead Controller, Jurisdiction FEMA Team Leader, and the Offsite Response Organization (ORO) involved, and will be conducted only when the corrective action would not interfere with the flow of the exercise. Refresher training may be provided by ORO personnel and/or the Controller.

It is permissible to extend the evaluation time to accommodate the re-demonstration. Issues resolved as the 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
Communications	Public Information and Warning	Objective 3: Alert and Notification
County EOC Support	Operational Coordination Public Information and Warning	Objective 1: Emergency Operations Management

Section 2: Extent-of-Play Agreement

Standards & References

The State of Ohio will use the following references, plans, and procedures during exercise play:

Federal

EPA, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, EPA-400-R-92-001, May 1992

EPA, PAG Manual: Protective Action Guides and Planning Guidance for Radiological Incidents, March 2013

EPA, PAG Manual: Protective Action Guides and Planning Guidance for Radiological Incidents, EPA-400/R-17/001, January 2017

FDA, Guidance on Potassium Iodide as a Thyroid Blocking Agent in Radiation Emergencies, 2001

FEMA, Radiological Emergency Preparedness Program Manual, FEMA P-1028, December 2019

Ohio Department of Health

HEA5413 Emergency Worker Dose Increase Worksheet

RAD-REP-0349 ODH Dose Assessment Team (ODAT) Systems Operator: Emergency/Intermediate Phases

RAD-REP-0350 ODAT Group Supervisor/Unit Leader: Emergency Phase

RAD-REP-0351 ODAT Quality Assurance (QA) Systems Operator: Emergency/Intermediate Phases

RAD-REP-0352 ODAT Informal Line: Emergency Phase

RAD-REP-0353 ODAT Utility EOF Liaison: Emergency Phase

RAD-REP-0354 ODAT County EOC Liaison: Emergency Phase

RAD-REP-0355 Field Sample Screening Stations: Radiological Response

RAD-REP-0356 JIC Radiological Subject Matter Expert (SME): Emergency Phase

Ohio Emergency Management Agency

2024 Ohio Radiological Emergency Preparedness (REP) Plan

650 – Radiological Assessment Branch Director

653 – Assessment Room Activation

657 – FMT Coordinator

658 – FMT Member

659 – Dosimetry Coordinator

660 – FMT Courier

665 – Radiological EOC Support

666 – Executive Room Liaison

668 – Formal Line Communicator

670 – Executive Room Activation

671 – Executive Room

State of Ohio Emergency Operations Plan

Ohio Environmental Protection Agency

FMT Communicator (Ohio EPA)

Exercise Participants

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

Amateur Radio Emergency Services

Civil Air Patrol, Ohio Wing

Ohio Department of Administrative Services

Ohio Department of Aging
 Ohio Department of Agriculture
 Ohio Department of Health
 Ohio Department of Natural Resources
 Ohio Department of Public Safety
 Ohio Department of Transportation
 Ohio Emergency Management Agency
 Ohio Environmental Protection Agency
 Ohio National Guard
 Ohio State Highway Patrol
 Ohio State University Extension
 Public Utilities Commission of Ohio
 State Fire Marshal
 United States Nuclear Regulatory Commission

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. (1.a.1)

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

Exercise Parameters: The State of Ohio will mobilize personnel to the Columbiana County EMA and BVPS JIC. For evaluated participants at each location, refer to Scope.

Assessment (1.1)	Venue(s)	Extent-of-Play
		Exceptions:

Assessment (1.1)	Venue(s)	Extent-of-Play
Alert, notify, and mobilize key personnel, to include a 24-hour staffing roster, and activate facilities in a timely manner.	Columbiana County EMA	In-sequence: The Utility JIC PIO will be pre-staged outside of the Utility JIC due to travel times. The Utility JIC PIO is mobilized by the State EOC JIC. The Ohio EMA County EOC Liaison will be pre-staged in their office as it will be the end of a workday.
Alert, notify, and mobilize key personnel, to include a 24-hour staffing roster, and activate facilities in a timely manner.		Out-of-sequence: N/A
Receive and verify notifications.		Exceptions: In-sequence: N/A
		Out-of-sequence: N/A
Identify and request additional resources, as needed.		Exceptions: In-sequence: N/A
		Out-of-sequence: N/A
Determine a facility is operational.		Exceptions: In-sequence: N/A
		Out-of-sequence: N/A

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. (1.c.1)

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: Direction and control will be demonstrated at Columbiana County EMA and BVPS JIC.

Assessment (1.2)	Venue(s)	Extent-of-Play
Support protective action decision-making.	Columbiana County EMA	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Conduct briefings in a timely manner.		Exceptions:
		In-sequence: N/A
		Out-of-sequence: N/A
Maintain situational awareness.	Columbiana County EMA BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Coordinate response activities with other organizations.	Columbiana County EMA BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Obtain resources to support emergency operations.		Exceptions:
		In-sequence: N/A
		Out-of-sequence: N/A
Provide and maintain adequate facilities and equipment to support the emergency response.		Exceptions:
		In-sequence: N/A

Assessment (1.2)	Venue(s)	Extent-of-Play
		Out-of-sequence: N/A

Capability Target 1.3: Protective Action Recommendations

Appropriate Protective Action Recommendations (PAR) are selected based on available information and other factors. (2.b.1)

Intent: The capability to use dose assessment and field data, compare this data to the Protective Action Guidelines (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 applicable.

Capability Target 1.4: Protective Action Decisions for the Plume Phase

Appropriate Protective Action Decisions (PADs) are based on available information for the plume phase. (2.b.2, 2.c.1)

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 applicable.

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. (3.b.1, 3.c.1, 3.c.2)

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 applicable.

Capability Target 1.6: Protective Action Decisions for the Post-Plume

Appropriate PADs are based on available information for the post-plume phase. (2.d.1, 2.e.1)

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: This will be demonstrated during the 2026 Perry Nuclear Power Plant 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. (3.e.1, 3.e.2, 3.f.1)

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 applicable.

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 Protective Action Guides (PAGs). (2.a.1)

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 applicable.

Capability Target 2.2: Emergency Worker Exposure Control Management

Emergency workers manage radiological exposure and dose in accordance with the plans/procedures. (3.a.1)

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: Not applicable.

Objective 3: Alert and Notification

Capability Target 3.1: Communications

Communication processes, systems, and equipment are sufficient to support emergency operations. (1.d.1)

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: No news briefings to the actual media will be performed nor will news releases be distributed outside the exercise venues.

Assessment (3.1)	Venue(s)	Extent-of-Play
Utilize communication systems that are fully functional, continuously available, and redundant.	BVPS JIC	Exceptions:
		In-sequence: None

Assessment (3.1)	Venue(s)	Extent-of-Play
		Out-of-sequence: N/A
Maintain periodic test results and corrective actions on a real time basis.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Access at least one communication system that is independent of the commercial telephone system.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Manage the communication systems and ensure that all message traffic is handled without delays that might disrupt emergency operations.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Identify and address any failures of the systems.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
Transmit, receive, and understand messages (i.e., “content check”).	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A

Capability Target 3.2: Alert and Notification of the Public

Alert and notification of the public is completed in a timely manner. (5.a.1, 5.a.3, 5.a.4)

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 applicable to the State.

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

Accurate emergency information and instructions are provided to the public and the news media in a timely manner. (5.b.1)

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: Contact with media outlets will be simulated and no actual messages will be broadcast. No actual notifications to the public will be performed.

Assessment (3.3)	Venue(s)	Extent-of-Play
<u>Plume Phase</u> Deliver coordinated, prompt, reliable, and actionable information in a timely manner.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
<u>Plume Phase</u> Provide clear, concise, accessible messaging using plain language.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
<u>Plume Phase</u> Messaging addresses appropriate cultural and linguistic considerations.		Exceptions:
		In-sequence: Not applicable to the State.
		Out-of-sequence: Not applicable to the State.
<u>Plume Phase</u> Ensure subsequent messaging is consistent with protective actions.	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A
<u>Plume Phase</u> Update information as the incident progresses, to include validating previously identified protective areas and clearly identifying any new protective action areas, any information that is no longer valid, and any changes to previously provided information (e.g., rerouting of evacuation routes due to impediments, etc.).	BVPS JIC	Exceptions:
		In-sequence: None
		Out-of-sequence: N/A

Assessment (3.3)	Venue(s)	Extent-of-Play
<u>Plume Phase</u> Respond to media and public inquiries.		Exceptions:
		In-sequence: N/A
		Out-of-sequence: N/A
<u>Post-Plume Phase</u> Rapidly disseminate of ingestion exposure pathway information to predetermined individuals and businesses.		Exceptions:
		In-sequence: N/A
		Out-of-sequence: N/A
<u>Post-Plume Phase</u> Provide information to the public that addresses temporary reentry to a restricted area, permanent relocation from areas not evacuated, and return to formerly restricted areas will be communicated.		Exceptions:
		In-sequence: N/A
		Out-of-sequence: N/A

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

Capability Target 4.1: Field Monitoring Teams Management

FMTs are managed to obtain information to help characterize the release, locate and track the airborne radiological plume, and control contamination. (4.a.2)

Intent: The capability to provide overall management of FMTs to direct movements and measurements to characterize the plume and its impacts.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.11, H.13, I.5, I.6, I.9, I.10, M.7, M.8, and O.1)

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

Exercise Parameters: Not applicable.

Capability Target 4.2: Plume Phase Measurements and Sampling

FMTs make, record, and report measurements of ambient radiation to appropriate authorities; radioiodine and particulate samples are collected. (4.a.3)

Intent: The capability to make and report measurements of ambient radiation.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.9, H.11, H.11.a, H.11.b, H.12, H.13, I.2, I.5, I.6, I.7, I.8, I.9, I.10, and O.1)

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: Not applicable.

Capability Target 4.3: Post-Plume Phase Measurements and Sampling

FMTs take measurements and samples to support assessment of the ingestion exposure pathway and to support reentry, relocation, and return decisions. (4.b.1)

Intent: The capability to report measurements of ambient radiation and collect environmental, food, and drinking water samples for laboratory analyses that support decision-making.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.11, H.11.a, H.11.b, H.12, H.13, I.2, I.5, I.6, I.8, M.7, and O.1)

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: This will be demonstrated during the 2026 Perry Nuclear Power Plant exercise.

Capability Target 4.4: Laboratory Operations

The laboratory performs radiological analyses to support protective action decision-making. (4.c.1)

Intent: The capability to perform laboratory analyses of radioactivity in environmental, food, and drinking water samples to support decision-making.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.4, H.11, H.11.b, H.13, I.2, I.6, M.7, and O.1)

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: This will be demonstrated during the 2026 Perry Nuclear Power Plant exercise.

Capability Target 4.5: Plume Phase Analysis and Dose Assessment

Dose assessment considers all available information including plant conditions, environmental conditions, field monitoring data, sample analysis results, and dose projection calculations. (2.b.1)

Intent: The capability to collect data, project doses to members of the public and emergency workers, and analyze and communicate the results.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.3, H.13, I.6, I.8, I.10, K.3, and O.1)

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: Not applicable.

Capability Target 4.6: Post-Plume Phase Sampling Plan Development and Analysis

Post-plume phase assessment considers all available information, including environmental conditions, field monitoring data, sample analysis results, and dose projection calculations.

Intent: The capability to identify and prioritize sampling, collect data, determine areas where relocation is recommended, identify food that is contaminated above federally approved limits, and analyze and communicate the results.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.3, H.13, I.2, I.6, I.8, I.10, J.12, J.14.b, J.14.c, K.3, M.7, M.8, and O.1)

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: This will be demonstrated during the 2026 Perry Nuclear Power Plant exercise.

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. (6.a.1, 6.c.1)

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 applicable.

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. (6.b.1)

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 applicable.

Capability Target 5.3: Transportation and Treatment of Contaminated Individuals

Transport contaminated, injured individuals to medical facilities with the capability to monitor and decontaminate. (6.d.1)

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: Not applicable.

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. (3.d.1, 3.d.2, new reentry)

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 applicable.

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

Pre-Exercise Briefing for State EOC	
Address:	Ohio Emergency Management Agency Room 204 2855 West Dublin-Granville Rd Columbus, OH 43235
Contact:	Chris Salz
Telephone:	614-398-8811
Date:	June 10, 2024
Time:	2:00 PM EDT

State of Ohio Emergency Operations Center	
<ul style="list-style-type: none"> • Assessment (Room 121) • Dose Assessment (Room 115) • Executive Room (Room 120) • Initial Warning Point (Room 121) • Operations Room (Room 110) • State Joint Information Center (Room 109) 	
Address:	Ohio Emergency Management Agency 2855 West Dublin-Granville Rd Columbus, OH 43235
Contact:	Chris Salz
Telephone:	614-398-8811
Date:	June 11, 2024
Time:	Utility begins exercise at 4:00 PM

BVPS Emergency Operations Facility

Address:	Beaver Valley EOF 135 Cessna Drive Chippewa Twp, PA 15010
Contact:	TBD
Telephone:	TBD
Date:	June 11, 2024
Time:	When activated by exercise

BVPS Joint Information Center

Address:	Pittsburgh Industrial Park Spring Run Road Extension Bldg. #3 Corapolis, PA 15108
Contact:	TBD
Telephone:	TBD
Date:	June 11, 2024
Time:	When activated by exercise

Columbiana County EMA

Address:	Columbiana County EMA 215 S Market St Lisbon, OH 44432
Contact:	Sheri Mader
Telephone:	330-424-9675
Date:	June 11, 2024
Time:	Utility begins exercise at 4:00 PM

FEMA Exercise Debrief

Address:	Columbiana County EMA 215 S Market St Lisbon, OH 44432
Contact:	Sheri Mader
Telephone:	330-424-9675
Date:	June 14, 2024
Time:	10:00 AM EDT

FEMA Public Meeting

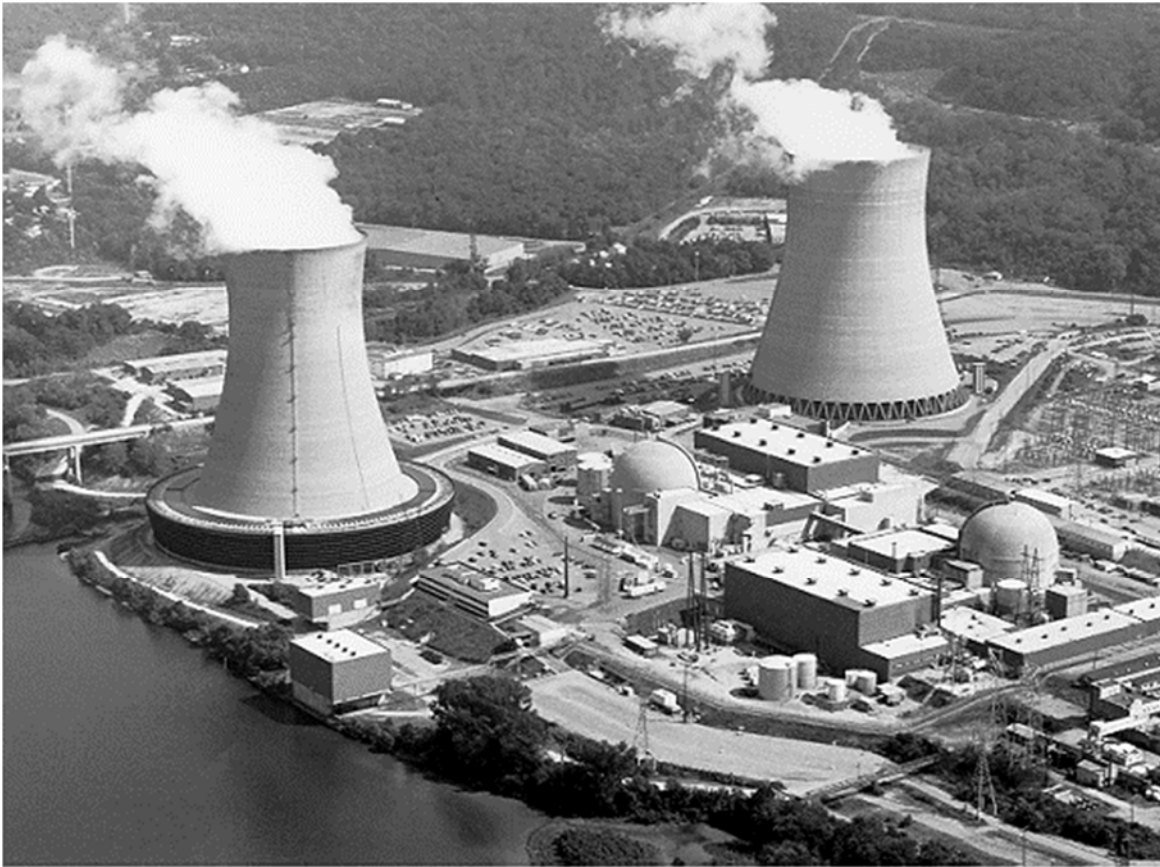
Address:	Columbiana County EMA 215 S Market St Lisbon, OH 44432
Contact:	Sheri Mader
Telephone:	330-424-9675
Date:	June 14, 2024
Time:	11:00 AM EDT

Section 5: Back-up Documentation

Section 6: Acronyms

Acronym	Definition
ACP	Access Control Point
BVPS	Beaver Valley Power Station
EDT	Eastern Daylight Time
EMA	Emergency Management Agency
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EOP	Extent-of-Play
EPA	Environmental Protection Agency
EPZ	Emergency Planning Zone
FAA	Federal Aviation Administration
FDA	Federal Drug Administration
FEMA	Federal Emergency Management Agency
FMT	Field Monitoring Team
FRMAC	Federal Radiological Monitoring & Assessment Center
JIC	Joint Information Center
KI	Potassium Iodide
ODAT	Ohio Dose Assessment Team
ODH	Ohio Department of Health
ORO	Offsite Response Organization
PAD	Protective Action Decision
PAG	Protective Action Guide
PAR	Protective Action Recommendation
PIO	Public Information Officer
QA	Quality Assurance
RAC	Radiological Assistance Committee

Acronym	Definition
REP	Radiological Emergency Preparedness
SME	Subject Matter Expert
TCP	Traffic Control Point
TED	Total Effective Dose



Nuclear Power Plant Exercise

Beaver Valley Power Station
Radiological Emergency Preparedness (REP) Program
Extent-of-Play Agreement for Columbiana County

June 11, 2024

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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 2024 Beaver Valley Power Station 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 both In-Sequence and Out-of-Sequence demonstration activities. This exercise marks the second of the eight-year exercise cycle for Columbiana County.

In-Sequence activities will occur June 11, 2024, from approximately 1600-2200 Eastern Daylight Time (EDT). Columbiana County will fully participate in this exercise, sufficient to support the demonstrations described in this EOP. The State of Ohio will partially participate sufficiently to support Columbiana County response operations. (See State of Ohio Extent-of-Play Agreement).

In-Sequence activities will be conducted at the following locations:

- County Initial Warning Point (Sheriff's Office Dispatch Center)
- Emergency Operations Center (EOC)
- Joint Information Center (JIC) State PIO will represent the county.

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
Pre-exercise meeting	Columbiana County EMA and TEAMS meeting	Monday June 10, 2024 2:00 PM – 3:00 PM
Emergency Worker Monitoring/Decontamination Center (EWDC)	Middleton Twp. Fire Department and EMS	Monday June 10, 2024 7:00 PM – 9:00 PM
Traffic/Access Control (TACP)	Sheriff's Office	Tuesday June 11, 2024 9:00 AM – 11:00 AM
School /Transportation Interview	East Liverpool School/ East Liverpool School Administration Office	Tuesday June 11, 2024 10:00 AM – 12:00 PM
Communications Demonstration	Columbiana County EMA	Tuesday June 11, 2024 2:00 PM – 3:00 PM
Initial Notification	Sheriff's Office Dispatch Center	Tuesday June 11, 2024 3:00 PM – 5:00 PM
Columbiana County EOC Operations	Columbiana County EMA	Tuesday June 11, 2024 4:00 PM – 10:00 PM
RRRR	Columbiana County EMA	Wednesday June 12, 2024 10:00 AM – 12:00 PM
Congregate Care Center	American Red Cross/ East Palestine Middle School Gym	Wednesday June 12, 2024 5:00 PM – 7:00 PM
Reception Center	West Point VFD and EMS, American Red Cross, CC Health Department/ Beaver Local Sports Complex	Wednesday June 12, 2024 7:00 PM – 9:00 PM
Transportation and Treatment of Contaminated Injured Individuals	East Palestine FD/EMS and Salem Regional Medical Center	Successfully Demonstrated October 26, 2023

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.

2019 Capability Targets that will be demonstrated during this exercise and may be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader: 1.1, 1.5, 1.6, 1.7, 2.1, 2.2, 3.1, 5.1, 5.2, and 5.4.

2019 Capability Targets that will be demonstrated during this exercise and 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, FEMA R5 Regional Assistance Committee: 1.2, and 3.3.

2019 Capability Targets that will be demonstrated during this exercise and may be re-demonstrated as approved on a case-by-case basis by the Chairperson, FEMA R5 Regional Assistance Committee: 1.4, 3.2, and 5.4.

Re-demonstration will be negotiated between the Lead Controller, Jurisdiction FEMA Team Leader, and the Offsite Response Organization (ORO) involved, and will be conducted only when the corrective action would not interfere with the flow of the exercise. Refresher training may be provided by ORO personnel and/or the Controller.

It is permissible to extend the evaluation time to accommodate the re-demonstration. Issues resolved as the 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
Initial Notification Point	Operational Communications	Objective 1: Emergency Operations Management Objective 3: Alert and Notification
State/County Emergency Operations Centers	Operational Coordination Public Information and Warning	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 3: Alert and Notification
Communications Demonstration	Public Information and Warning	Objective 3: Alert and Notification
School/Transportation Interview	Operational Communications Operational Coordination Critical Transportation	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate
Emergency Worker Monitoring/Decontamination	Operational Coordination Environmental Response/Health and Safety	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate
Reception Center	Operational Coordination Environmental Response/Health and Safety	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate
Congregate Care Center	Mass Care	Objective 5: Operate
Traffic and Access Control Point	Access Control Operational Coordination Critical Transportation	Objective 2: Exposure Control Objective 5: Operate

Section 2: Extent-of-Play Agreement

Standards & References

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

Columbiana County Radiological Emergency Response Plan, Revision 36 January 2024.

DHS/FEMA REP Program Manual December 2019.

NUREG 0654/FEMA REP 1 Rev. 2.

Columbiana County Suggested Operational Guidance, Revision 36, January 2024.

Exercise Participants

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

Columbiana County Emergency Management Agency

Ohio Emergency Management Agency

Energy Harbor

Columbiana County Sheriff's Office

Ohio State Highway Patrol

Ohio Department of Transportation

Columbiana County Health Department

Middleton Township Fire Department

East Liverpool School District

West Point Fire Department

Lisbon Fire Department

Columbiana County and State of Ohio Highway Department

American Red Cross

Columbiana County Department of Job and Family Services

Columbiana County Engineers Office

Columbiana County and State Department of Agriculture

Columbiana County Mental Health and Recovery Services

Columbiana County Community Emergency Response Team

Amateur Radio

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

Exercise Parameters: Columbiana County intends to fully activate the County Emergency Operations Center (EOC) in Lisbon, Ohio. The County will implement notification procedures as defined in Plans and SOGs. All players will be pre-staged in the Emergency Operations Center (EOC). County will make declaration of operational status.

Assessment	Venue	Extent of Play
Alert, notify, and mobilize key personnel, to include a 24-hour staffing roster, and activate facilities in a timely manner.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR Sheriff's Dispatch/TACP	Exception: EOC participants, players, etc. will be prepositioned in their assigned exercise locations. Players will not begin their assigned exercise roles until notification is received/controller inject.
Receive and verify notifications.	Columbiana County EOC Sheriff Dispatch Comms	No Exceptions
Identify and request additional resources, as needed.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR Sheriff's Dispatch/TACP	Exception: Agencies outside this EOP may be requested, but response will be simulated.
Determine a facility is operational.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR Sheriff's Dispatch/TACP	No Exceptions

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: Decision Making will be demonstrated at the Columbiana County EOC. EWDC, Reception Center, Comms, Congregate Care Center and RRRR will be via interview if not driven by play. All players will be pre-staged at all venues: Comms, Congregate Care Center, EWDC, Reception Center, RRRR, School/Transportation and Sheriff Dispatch/TACP.

Assessment	Venue	Extent of Play
Support protective action decision-making.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR School/Transportation Sheriff's Dispatch/TACP	No Exceptions
Conduct briefings in a timely manner.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR School/Transportation Sheriff's Dispatch/TACP	No Exceptions
Maintain Situational Awareness.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR School/Transportation Sheriff's Dispatch/TACP	No Exceptions
Coordinate response activities with other organizations.	Columbiana County EOC	No Exceptions
Obtain resources to support emergency operations.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center	Exceptions: by discussion if not already available at venue.

Assessment	Venue	Extent of Play
	RRRR School/Transportation Sheriff's Dispatch/TACP	
Provide and maintain adequate facilities and equipment to support the emergency response.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR School/Transportation Sheriff's Dispatch/TACP	No Exceptions

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 Applicable.

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: Columbiana County officials will make the final Protective Action Decisions (PAD) regarding what protective actions will be recommended to the public of Columbiana County. Columbiana County does not issue separate PADs for access and functional needs, or schools.

Assessment	Venue	Extent of Play
Coordinate and make PADs for members of the general public.	Columbiana County EOC	No Exceptions
Coordinate and make PADs for those with access and functional needs.	Columbiana County EOC	No specific PADs for access and functional needs

Assessment	Venue	Extent of Play
Coordinate and make PADs for students at schools at the Columbiana County EOC.	Columbiana County EOC School/Transportation	No specific PADs for students at schools. Exception: Process discussed at interview.
Coordinate and make subsequent or alternate PADs.	Columbiana County EOC	Exception: By discussion if not driven by scenario.
Coordinate and make decisions on the administration of KI (where applicable) for the public and institutionalized members of the population.	Columbiana County EOC	Exception: State Function for decision, County will coordinate. Ohio Department of Health is responsible for the decision to ingest KI.

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: No actual evacuations or demonstrations of shelter-in-place will occur. Phone calls and public notifications will be simulated. All transportation points of review will be demonstrated by interview/discussion. No actual transportation will occur. School demonstration is out of sequence relative to EOC demonstration, most of School Services Officer demonstration will be by interview, and communications with school districts will be simulated.

Assessment	Venue	Extent of Play
Implement PADs, ensuring communication and coordination with all appropriate jurisdictions.	Columbiana County EOC	See Exercise Parameters
Assist those with access and functional needs during the implementation of PADs.	Columbiana County EOC	See Exercise Parameters
Communicate, coordinate, and implement protective actions for schools.	Columbiana County EOC School/Transportation Interview	See Exercise Parameters
Communicate with transportation officials.	Columbiana County EOC	See Exercise Parameters
Identify evacuation routes for the general public.	Columbiana County EOC	See Exercise Parameters

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: A facilitator using a standalone mini scenario will guide the Columbiana County Post Accident Operations Committee (PAOC) through the decision-making process of Relocation, Reentry, Return, and Re-occupancy (RRRR). State and local participants located outside the EOC will be simulated using prescribed injects. This tabletop will be conducted Wednesday June 12, 2024, 10:00AM - 12:00PM at the Columbiana County EOC.

Assessment	Venue	Extent of Play
Make Post-Plume phase, Relocation, Reentry, Return, and Re-occupancy decisions in a timely manner.	Columbiana County EOC RRRR	No exceptions. RRRR on Wednesday June 12, 2024.
Coordinate PAD's as appropriate	Columbiana County EOC RRRR	No exceptions. RRRR on Wednesday June 12, 2024.

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: A facilitator using a standalone mini scenario will guide the Columbiana County Post Accident Operations Committee (PAOC) through the decision-making process of Relocation, Reentry, Return, and Re-occupancy (RRRR). State and local participants located outside the EOC will be simulated using prescribed injects. This tabletop will be conducted Wednesday June 12, 2024, 10:00AM - 12:00PM at the Columbiana County EOC.

Assessment	Venue	Extent of Play
Decisions regarding controlled reentry, relocation, return of individuals during the post plume phase are coordinated with appropriate organizations and implemented.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Communicate and implement PADs for agribusinesses, such as dairy farms, meat and poultry producers, fisheries, fruit growers, vegetable growers, grain producers, food processing plants and water intake points.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Formulate protective action information (e.g., brochures, email, text message, etc.) for the general public, food producers and processors.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Control, restrict or prevent distribution of contaminated food by commercial sectors, ensuring communication and coordination with agencies responsible for enforcing food controls.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Communicate instructions to the public regarding relocation decisions and intermediate-term housing for relocation persons.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Coordinate and implement decisions concerning relocation, including short and /or long-term relocation of evacuees.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Control reentry and exit of individuals who are authorized by the ORO to temporarily reenter the restricted area.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.
Implement policies concerning return of members of the public to areas that were evacuated during the plume phase.	Columbiana County EOC RRRR	No exceptions RRRR on Wednesday June 12, 2024.

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: Exposure control will be demonstrated at the out-of-sequence venues where applicable and may be demonstrated by interview/discussion.

A facilitator using a standalone mini scenario will guide the Columbiana County Post Accident Operations Committee (PAOC) through the decision-making process of Relocation, Reentry, Return, and Re-occupancy (RRRR). State and local participants located outside the EOC will be simulated using prescribed injects. This tabletop will be conducted Wednesday June 12, 2024, 10:00AM - 12:00PM at the Columbiana County EOC.

Assessment	Venue	Extent of Play
Control emergency workers' exposure and dose, including offsite workers performing duties onsite.	Columbiana County EOC	Exception: Columbiana County does not supply offsite workers onsite – Pennsylvania function.
Maintain record of dose as a result of exposure.	EWDC Reception Center TACP School/Transportation	No Exception
Authorize exposures and dose in excess of identified limits.	Columbiana County EOC	The Radiological Officer in county EOC will be interviewed concerning exceeding dose limits. Authorization is a state function.
Process for considering occupational exposures and to authorize individuals to receive doses in excess of occupational dose limits.	NA	State Function - ODH.
Determine a correction factor for DRD-based isotopic release mixture	NA	State Function

Assessment	Venue	Extent of Play
Control exposure and dose for temporary reentry of emergency workers, or members of the public, to restricted areas.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday, June 12, 2024
Determine the need to authorize radioprotective drugs using projected thyroid doses and field measurements. Projections are compared to previously established PAGs.	NA	State Function
Adequately protect members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024.

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 are pre-distributed and described in the Columbiana County Radiological Emergency Response Plan (RERP) and SOGs. In the event that the use of KI is recommended to emergency workers, players will simulate taking KI.

A facilitator using a standalone mini scenario will guide the Columbiana County Post Accident Operations Committee (PAOC) through the decision-making process of Relocation, Reentry, Return, and Re-occupancy (RRRR). State and local participants located outside the EOC will be simulated using prescribed injects. This tabletop will be conducted Wednesday June 12, 2024, 10:00AM - 12:00PM at the Columbiana County EOC.

Assessment	Venue	Extent of Play
Maintain an appropriate inventory of DRDs that are leak-tested or current in calibration.	EWDC Reception Center School/Transportation TACP	No Exceptions
Maintain an appropriate inventory of PRDs.	EWDC Reception Center School/Transportation TACP	No Exceptions

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Assessment	Venue	Extent of Play
Retain an adequate supply of radioprotective drugs.	EWDC Reception Center School/Transportation TACP	No Exception
Adequately distribute appropriate DRDs and PRDs.	EWDC Reception Center School/Transportation TACP	No Exception
Adequately distribute radioprotective drugs to emergency workers.	EWDC Reception Center School/Transportation TACP	No Exception
Record and report exposures in the field.	EWDC Reception Center TACP School/Transportation	No Exception
Implement decisions to administer radioprotective drugs.	EWDC Reception Center TACP School/Transportation	Exception: State Function for decision, County will coordinate. Ohio Department of Health is responsible for the decision to ingest KI. Ingestion of KI will be simulated.
Report to individual responsible for managing exposure and dose when limits are reached.	EWDC Reception Center TACP School/Transportation	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.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024.

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: Columbiana County will demonstrate multiple communications systems during an interview at Columbiana County EMA and during the EOC portion of the exercise. Communications to the out-of-sequence venues will be simulated. No actual notifications to the public will be performed (sirens, EAS, ENS, press releases, etc.). Columbiana County amateur radio will participate in the exercise.

Assessment	Venue	Extent of Play
Utilize communication systems that are fully functional, continuously available, and redundant.	Columbiana County EOC Communications Congregate Care Center EWDC Reception Center RRRR Sheriff's Dispatch/TACP School/Transportation Amateur Radio	No Exceptions
Maintain periodic test results and corrective actions on a real time basis.	Columbiana County EOC	During Communications interview.
Access at least one communication system that is independent of the commercial telephone system.	Columbiana County EOC	During Communications interview.
Manage the communication systems and ensure that all message traffic is managed without delays that might disrupt emergency operations.	Columbiana County EOC	No Exceptions
Identify and address any failures of the systems.	Columbiana County EOC	No Exceptions
Transmit, receive, and understand messages (i.e., "content check").	Columbiana County EOC	During Communications interview.

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: Alert and Notification of the public in Columbiana County is a coordinated function with the Counties of: Hancock County, WV and Beaver County, PA. All EPZ counties have the ability to sound sirens, but Beaver County, PA sounds the entire EPZ by procedure. No actual notifications to the public will be performed (sirens, EAS, ENS, press releases, etc.). Coordination of Sirens and EAS messaging will be coordinated between: Columbiana County, OH, Beaver County, PA, and Hancock County, WV. Will be demonstrated by interview if not driven by play.

Assessment	Venue	Extent of Play
ALERT AND NOTIFICATION SYSTEM: Sequentially provide an alert signal followed by an initial instructional message to populated areas.	Columbiana County EOC Initial Notification Point	Exception: An Emergency Alert System message will be developed but will not be transmitted or broadcast. Communications Demonstration will be used to discuss associated points of review. Exception: Siren Activation – Evaluators will interview Sheriff Dispatch regarding the steps they would take to activate sirens. Siren activation will be simulated. Evaluator will conduct interview during mobilization (capability target 1.1)
ALERT AND NOTIFICATION SYSTEM: Alert and notify the general public. – (Subsequent Alerts)	Columbiana County EOC Initial Notification Point	Same as above.
ALERT AND NOTIFICATION SYSTEM: Identify and address any failures of the system(s) or portion of a system(s).	Columbiana County EOC Initial Notification Point	No Exception – See Electronic Notification System (ENS) for back-up methodology.
ALERT AND NOTIFICATION SYSTEM: Actual testing of the mobile public address system will be conducted at an agreed-upon location.	NA	Mobile route alerting is not used in Columbiana County. See secondary method Electronic Notification System (ENS).
ALERT AND NOTIFICATION SYSTEM: Secondary method: Electronic Notification System (ENS)	Columbiana County EOC	Exception: Full utilization completed during Annual Siren Test on September 13, 2023. FEMA was provided test results through the IPAWS lab. The

Assessment	Venue	Extent of Play
		process may be discussed during communications interview.
EMERGENCY ALERT SYSTEM: Identify the process to activate the EAS. -	Columbiana County EOC	No Exception
EMERGENCY ALERT SYSTEM: Ensure that updated emergency information is disseminated in a timely manner.	Columbiana County EOC	No Exception
EMERGENCY ALERT SYSTEM: Ensure that current emergency information is repeated at pre-established intervals.	Columbiana County EOC	No Exception
EAS/NWS STATION: Identify the process to activate the EAS, to include the process to receive and then broadcast updated information/messages and verification of the message, if applicable.	Columbiana County EOC	Exception: By interview with CCEMA Director or designee.
EAS/NWS STATION: Broadcast the message on a 24-hour basis.	Columbiana County EOC	Exception – By interview with CCEMA Director or designee.
ROUTE/ALTERNATE ALERTING	Columbiana County EOC	Tertiary method (not evaluated) – See ANS secondary method above.

Capability Target 3.3: Emergency Information and Instructions for the Public and 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: Columbiana County will demonstrate this capability target by using pre-scripted messages as prescribed in plans and SOGs. Contact with media outlets will be simulated and no actual messages will be broadcast. No actual notifications to the public will be performed (sirens, EAS, ENS, press releases, etc.).

A facilitator using a standalone mini scenario will guide the Columbiana County Post Accident Operations Committee (PAOC) through the decision-making process of Relocation, Reentry, Return, and Re-occupancy (RRRR). State and local participants located outside the EOC will be simulated using prescribed injects. This tabletop will be conducted Wednesday June 12, 2024, 10:00AM - 12:00PM at the Columbiana County EOC.

Assessment	Venue	Extent of Play
PLUME PHASE: Deliver coordinated, prompt, reliable, and actionable information in a timely manner.	Columbiana County EOC	No Exception
PLUME PHASE: Provide clear, concise, accessible messaging using plain language.	Columbiana County EOC	No Exception
PLUME PHASE: Messaging addresses appropriate cultural and linguistic considerations.	Columbiana County EOC	Exception: Columbiana County has less than 5% non-English speaking population.
PLUME PHASE: Ensure subsequent messaging is consistent with protective actions.	Columbiana County EOC	No Exception
PLUME PHASE: Update information as the incident progresses, to include validating previously identified protective areas and clearly identifying any new protective action areas, any information that is no longer valid, and any changes to previously provided information (e.g., rerouting of evacuation routes due to impediments, etc.).	Columbiana County EOC	County PIO will provide updated information to the JIC.
PLUME PHASE: Respond to media and public inquiries.	Columbiana County EOC	No Exception
POST-PLUME PHASE: Rapidly disseminate of ingestion exposure pathway information to predetermined individuals and businesses.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024
POST-PLUME PHASE: Provide information to the public that addresses temporary reentry to a restricted area, permanent relocation from areas not evacuated, and return to formerly restricted areas will be communicated.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024

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. Columbiana County relies on dose projections and recommendations from Beaver Valley 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: Columbiana County will demonstrate a reception center where monitoring, decontamination and registration of evacuees takes place, and a separate congregate care center for temporary shelter. No live sources will be used, all contamination levels will be by controller inject. All decontamination will be demonstrated by discussion, no actual decontamination methods will be demonstrated. Equipment and supplies will be available for inspection.

Columbiana County will demonstrate a Congregate Care Center. The set-up and operation of the Care Center will be explained to the Evaluator via a walk-through of the Center, observation, and interview. Materials and equipment that would be difficult or expensive to transport need not be physically available at the facility. However, the availability of such items must be verified by providing the Evaluator with a list of sources with locations and available quantities.

Assessment	Venue	Extent of Play
Set up operations:	Reception Center, Congregate Care Center	Exception – Centers will be set-up in advance of demonstration. Exception: where applicable only one shower area will be set up. A floor plan of showering facilities for both males and females will be available for inspection. Exception: One person will demonstrate PPE at Reception Center.
Operationally check instruments and equipment.	Reception Center	Exception: a minimum of one of each type of radiological monitoring instrument will be demonstrated.
MONITORING: Attain and sustain the overall monitoring productivity rate per hour needed to monitor 20 percent of the plume exposure pathway EPZ population, including transients, within a 12-hour period at each facility. The	Reception Center	Demonstrated through plan review which shows calculations. FEMA will interview Radiological Officer for required throughput calculations. A total of six potentially contaminated individuals will pass through a portal monitor. In

Assessment	Venue	Extent of Play
monitoring productivity rate per hour is the number of evacuees that can be monitored, per hour, per location, by the total complement of monitors using an appropriate procedure.		consultation with the evaluator, controller will select one evacuee at random to be designated as contaminated.
MONITORING: Monitor evacuees, service animals, pets, vehicles, and possessions.	Reception Center	Exception: No pets or service animals will be monitored. One vehicle will be demonstrated.
Utilize trigger/action levels for determining the need for decontamination.	Reception Center	See Exercise Parameters.
DECONTAMINATION: Decontaminate evacuees, and personal belongings, while limiting the spread of contamination.	Reception Center	Exception: Evacuee decontamination will be walked through and explained procedurally by workers. Evacuee will not disrobe and will not undergo actual decontamination.
DECONTAMINATION: Follow-up with any evacuee(s) who cannot be appropriately decontaminated for assessment; ensure the capability to provide evacuee-referrals.	Reception Center	Exception: The decision to refer individuals who cannot be decontaminated to medical facilities will be procedurally explained via evaluator interview.
VEHICLES: Monitor and decontaminate vehicles.	Reception Center	See Exercise Parameters. One vehicle will be demonstrated.
VEHICLES: Provide adequate, separate space for both contaminated and non-contaminated vehicles.	Reception Center	No Exception
VEHICLES: Monitor evacuees and their vehicles for contamination.	Reception Center	Exception: Decontamination efforts will be procedurally explained by the Workers. The contaminated evacuee will not disrobe and will not undergo actual decontamination. Exception: The decision to refer individuals who cannot be decontaminated to medical facilities will be procedurally explained via evaluator interview. One vehicle will be demonstrated.

Assessment	Venue	Extent of Play
VEHICLES: Decontaminate evacuee vehicles based on trigger/action levels.	Reception Center	See Exercise Parameters.
SHELTERING AND CONGREGATE CARE: Coordinate for incoming evacuees who have been monitored and, if necessary, decontaminated.	Congregate Care Center	No Exception
SHELTERING AND CONGREGATE CARE: Establish shelter operations.	Congregate Care Center	Exception: ARC will discuss inventory etc., but not set up entire center.
SHELTERING AND CONGREGATE CARE: Congregate care centers and operations in host/support jurisdictions are sufficient to support the expected number of evacuees.	Congregate Care Center	No Exception
REGISTRATION: Register evacuees.	Reception Center Congregate Care Center	Exception: Initial registration of evacuees who are found not to be contaminated will be demonstrated concurrently with evacuee decontamination.
REGISTRATION: Ensure the registration area is clean and controlled.	Reception Center Congregate Care Center	No Exception

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: Columbiana County will demonstrate an Emergency Worker Monitoring and Decontamination Center (EWDC). No live sources will be used, all contamination levels will be by controller inject. All decontamination will be demonstrated by discussion, no actual decontamination methods will be demonstrated. Equipment and supplies will be available for inspection.

Assessment	Venue	Extent of Play
Set up operations:	EWDC	Exception – Center will be set-up in advance of demonstration.

Assessment	Venue	Extent of Play
		Exception: where applicable only one shower area will be set up. A floor plan of showering facilities for both males and females will be available for inspection.
Operationally check instruments and equipment.	EWDC	Exception: a minimum of one of each type of radiological monitoring instrument will be demonstrated.
Monitor emergency worker personnel and their equipment and vehicles for contamination.	EWDC	Exception: Two Emergency Workers will be monitored for contamination, one (selected at random by the Controller) will be simulated AS contaminated.
Decontaminate emergency worker personnel and their equipment and vehicles based on trigger/action levels.	EWDC	Exception: Decontamination efforts will be procedurally explained by the Workers. The contaminated Emergency Worker will not disrobe and will not undergo actual decontamination. Exception: The decision to refer individuals who cannot be decontaminated to medical facilities will be procedurally explained via evaluator interview. One vehicle will be demonstrated.
Control the spread of contamination.	EWDC	One person will demonstrate donning and doffing of PPE.
Create and maintain a record of monitoring and decontaminating workers upon completion of monitoring and decontamination activities.	EWDC	No Exception
Process for prioritizing emergency workers and equipment before the public in facilities where the public and emergency workers are both processed for contamination.	EWDC	Exception: Process may be procedurally explained via evaluator interview.

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: Not Selected. Successfully completed October 26, 2023, with East Palestine FD/EMS and Salem Regional Medical Center.

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 Officer in the Columbiana 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.

A facilitator using a standalone mini scenario will guide the Columbiana County Post Accident Operations Committee (PAOC) through the decision-making process of Relocation, Reentry, Return, and Re-occupancy (RRRR). State and local participants located outside the EOC will be simulated using prescribed injects. This tabletop will be conducted Wednesday June 12, 2024, 10:00AM - 12:00PM at the Columbiana County EOC.

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.	Columbiana County EOC	Exception: By interview with law enforcement officer in Columbiana 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.	Columbiana County EOC TACP Demonstration at Sheriff Office	Exception: By interview with law enforcement officer in Columbiana County EOC. Exception: By interview with law enforcement

Assessment	Venue	Extent of Play
		officer at Columbiana County Sheriff Office.
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
Identify and take appropriate actions concerning impediments that affect the evacuation and evacuation routes.	Columbiana County EOC	No Exception
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.	Columbiana County EOC	PIO will provide re-route instructions to the JPIC.
Establish procedures to control access to and monitor people and vehicles from the evacuated and restricted areas.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024.
Authorize reentry of individuals into the restricted areas.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024.
Establish exit procedures.	Columbiana County EOC RRRR	No Exception RRRR on Wednesday June 12, 2024.

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

MONDAY JUNE 10, 2024

PRE-EXERCISE MEETING	
Address:	Columbiana County Emergency Management Agency 215 South Market St. Lisbon, OH 44432
Contact:	Sheri Mader
Telephone:	330-424-9675 / 380-243-1752
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower
Date:	Monday, June 10, 2024
Time:	2:00 p.m. – 3:00 p.m.

Emergency Worker Monitoring and Decontamination Center Operated by Middleton Township Fire Department	
Address:	Middleton Township Fire Department 50683 Richardson Ave Negley, Ohio 44441
Contact:	Bart Ray (Controller)
Telephone:	330-428-3581
Action Location:	Same as above
Date:	Monday June 10, 2024
Time:	7:00 p.m. - 9:00 p.m.

TUESDAY JUNE 11, 2024

TRAFFIC & ACCESS CONTROL – Columbiana County Sheriff Office	
Address:	Columbiana County Sheriff Office 8473 County Home Rd Lisbon, OH 44432
Contact:	Bart Ray (Controller)
Telephone:	330-428-3581
Action Location:	Columbiana County Sheriff Office Same as above
Date:	Tuesday June 11, 2024
Time:	9:00 a.m. – 11:00 a.m.

SCHOOL/TRANSPORTATION INTERVIEW – East Liverpool School District	
Address:	East Liverpool School District 810 West 8 th St East Liverpool, OH 43920
Contact:	Mike Drubacky (Controller)
Telephone:	419-681-0328
Action Location:	Same as above
Date:	Tuesday June 11, 2024
Time:	10:00 a.m. – 12:00 a.m.

EMERGENCY OPERATIONS CENTER - Communications	
Address:	Columbiana County Emergency Management Agency 215 South Market St. Lisbon, OH 44432
Contact:	Bart Ray (Controller)
Telephone:	330-428-3581
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower
Date:	Tuesday, June 11, 2024
Time:	2:00 p.m. – 3:00 p.m.

INITIAL NOTIFICATION – COUNTY SHERIFF’S DISPATCH CENTER	
Address:	Columbiana County Sheriff’s Office Dispatch Center 8473 County Home Rd. Lisbon, OH 44432
Contact:	Bart Ray (Controller)
Telephone:	330-428-3581
Action Location:	County Sheriff’s Office Dispatch Center Same as above
Date:	Tuesday, June 11, 2024
Time:	3:00 p.m. – 5:00 p.m.

TUESDAY JUNE 11, 2024

EMERGENCY OPERATIONS CENTER	
Address:	Columbiana County Emergency Management Agency 215 South Market St. Lisbon, OH 44432
Contact:	Mike Drubacky (Controller)
Telephone:	419-681-0328
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower
Date:	Tuesday, June 11, 2024
Time:	4:00 p.m. – 10:00 p.m.

WEDNESDAY JUNE 12, 2024

RRRR	
Address:	Columbiana County Emergency Management Agency 215 South Market St. Lisbon, OH 44432
Contact:	Bart Ray (Facilitator)
Telephone:	330-428-3581
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower
Date:	Wednesday June 12, 2024
Time:	10:00 a.m. – 12:00 p.m.

CONGREGATE CARE CENTER Operated by American Red Cross	
Address:	East Palestine Middle School Gymnasium 360 W Grant St East Palestine, OH 44413
Contact:	Tim Settles
Telephone:	440-812-8865
Action Location:	Same as above
Date:	Wednesday June 12, 2024
Time:	5:00 p.m. – 7:00 p.m.

Reception Center Operated by West Point Fire Department	
Address:	Beaver Local Sports Complex 13187 State Route 7 Lisbon, OH 44432
Contact:	Bart Ray (Controller)
Telephone:	330-428-3581
Action Location:	Same as above Parking Lot / Sports Center
Date:	Parking Lot / Sports Center
Time:	7:00 p.m. – 9:00 p.m.

Section 5: Back-up Documentation

Columbiana County Radiological Emergency Preparedness Plan (RERP), Suggested Operational Guidance and other supporting information to be provided separately.

Section 6: Acronyms

Acronym	Term
ARC	American Red Cross
BVPS	Beaver Valley Power Station
CC	Columbiana County
CCHD	Columbiana County Health Department
EDT	Eastern Daylight Time
EMS	Emergency Medical Service
EOC	Emergency Operations Center
EOP	Extent of Play
EWDC	Emergency Worker Monitoring/Decontamination Center
FEMA	Federal Emergency Management Agency
JIC	Joint Information Center
ORO	Offsite Response Organization
PIO	Public Information Officer
R5	FEMA Region Five
RAC	Radiological Assistance Committee
RERP	Radiological Emergency Response Plan
RRRR	Relocation, Reentry, Return, Recovery
SOG	Suggested Operational Guidance
TACP	Traffic/Access Control Point