



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 7, 2022

Report Date: August 16, 2022



FEMA

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Executive Summary

On June 7, 2022, the U.S. Department of Homeland Security, Federal Emergency Management Agency (DHS/FEMA) Region V evaluated a Radiological Emergency Preparedness Program, Partial Participation, Plume Exposure Pathway Exercise in the 10-mile Emergency Planning Zone (EPZ) for the Beaver Valley Power Station (BVPS).

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 November 10, 2020. The qualifying emergency preparedness exercise was conducted on November 28, 1984.

Officials and representatives from the State of Ohio, Columbiana County, and Energy Harbor participated in this exercise. State and Local officials demonstrated knowledge of their emergency response plans and procedures and successfully implemented them. No Findings or Plan Issues were identified for the State of Ohio and Columbiana County as a result of the 2022 BVPS Exercise.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 225 individuals participated in the offsite portion of the exercise, including local volunteers and BVPS owner/operator personnel.

The ongoing COVID-19 Public Health Emergency presented the State of Ohio with substantial logistical and communications challenges for simultaneously developing and implementing a successful commercial nuclear power plant exercise plan in a combined virtual and physical environment. The State of Ohio portion of the exercise was evaluated virtually using Microsoft Teams® collaboration software. The Microsoft Teams® software was configured by the Ohio Emergency Management Agency to establish multiple Channels, each with audio/visual, chat, and exercise-related document sharing features. Electronic mail and cellphone voice and texting modalities were also used to support the exercise.

Section 1: Exercise Overview

Exercise Name	2022 Beaver Valley Power Station Radiological Emergency Preparedness Exercise	
Type of Exercise	Partial-Participation Plume Exercise	
Exercise Date	June 7, 2022	
Out of Sequence Date(s)	June 7, 2022	
Program	Radiological Emergency Preparedness Program	
FINAL Scenario Submittal to FEMA	April 5, 2022	
FINAL Extent-of-Play Agreement Submittal to FEMA	April 21, 2022	
Mission Area	Response, Protection, Preparedness	
Core Capabilities	Access Control/Identity Verification	Natural & Cultural Resources
	Critical Transportation	On-Scene Security, Protection, & Law Enforcement
	Environmental Response/Health & Safety	Operational Communication
	Health & Social Services	Operational Coordination
	Housing	Planning
	Intelligence/Information Sharing	Public Health, Healthcare, & Emergency Medical Services
	Mass Care Services	Public Information & Warning
	Economic Recovery	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 Columbiana County Emergency Management Agency Energy Harbor, Inc. (Beaver Valley Power Station)	
FEMA Exercise Evaluation Leadership Team	Sean O'Leary, RAC Chair Edward Golinski, Exercise Director Carl Bebrich, Assistant Director Brian Reinhart, Site Specialist	

Section 2: Exercise Design Summary

2.1 Exercise Purpose

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

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

2.2 Exercise Core Capabilities

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

- **Access Control/Identity Verification:** Apply a broad range of physical, technological, and cyber measures to control admittance to critical locations and systems, limiting access to authorized individuals to carry out legitimate activities.
- **Critical Transportation:** Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals, and the delivery of vital response personnel, equipment, and services into the affected areas.
- **Environmental Response/Health and Safety:** Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.
- **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 Awareness:** Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response.

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

- **Objective 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 7, 2022, plume exposure pathway exercise and out-of-sequence activities conducted the week of June 6-10, 2022.

Each jurisdiction and functional entity were evaluated based on the demonstration of objectives, core capabilities, and capability targets as delineated in the 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 of Exercise Evaluation - State of Ohio In-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 7, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	SEOC Watch Office/Assessment Room/INP	SEOC Executive Room	SEOC Assessment Room	SEOC Dose Assessment	EOF Coordination	SEOC Joint Information Center	Joint Public Information Center	State Liaisons @ County EOC
Objective 1: Emergency Operations Management Capability Targets								
1.1: Mobilization	M	M	M	M	M	M	NA	M
1.2: Direction and Control	NA	M	M	M	M	NA	M	M
1.3: Protective Action Recommendations	NA	M	NA	M	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	M	NA	M	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	NA	NA	NA	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NS	NS	NS	NS	NS	NS	NS	NS
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NS	NS	NS	NS	NS	NS	NS	NS
Objective 2: Exposure Control Capability Targets								
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	M	NA	M	NA	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	NS	NS	NS	NS	NS	NS	NS	NS
Objective 3: Alert and Notification Capability Targets								
3.1: Communications	M	M	NA	M	M	M	NA	M
3.2: Alert and Notification of the Public	NS	NS	NS	NS	NS	NS	NS	NS
3.3: Emergency Information and Instructions Public and News Media	NA	M	NA	NA	NA	M	M	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets								
4.1: Field Monitoring Teams Management	NS	NS	NS	NS	NS	NS	NS	NS
4.2: Plume Phase Measurements and Sampling	NS	NS	NS	NS	NS	NS	NS	NS
4.3: Post-Plume Phase Measurements and Sampling	NS	NS	NS	NS	NS	NS	NS	NS
4.4: Laboratory Operations	NS	NS	NS	NS	NS	NS	NS	NS
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	M	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NS	NS	NS	NS	NS	NS	NS	NS
Objective 5: Operate Capability Targets								
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA	NA	NA	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA	NA	NA	NA	NA
5.4: Traffic and Access Control	NA	NA	M	NA	NA	NA	NA	NA

Table 3.1.2 Summary of Exercise Evaluation - Columbiana County In-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 7, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Initial Notification	Columbiana County EOC Executive Room	Columbiana County EOC Operations Room
Objective 1: Emergency Operations Management Capability Targets			
1.1: Mobilization	M	NA	M
1.2: Direction and Control	NA	M	M
1.3: Protective Action Recommendations	NS	NS	NS
1.4: Protective Action Decisions Plume Phase	NA	M	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	M
1.6: Protective Action Decisions Post-Plume Phase	NS	NS	NS
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NS	NS	NS
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	NA	M
Objective 3: Alert and Notification Capability Targets			
3.1: Communications	M	M	M
3.2: Alert and Notification of the Public	NA	NA	M
3.3: Emergency Information and Instructions Public and News Media	NA	NA	M
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	NS
5.4: Traffic and Access Control	NA	NA	M

Table 3.1.3 Summary of Exercise Evaluation - Columbiana County Out-of-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 6, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Reception Center
Objective 1: Emergency Operations Management Capability Targets	
1.1: Mobilization	NA
1.2: Direction and Control	M
1.3: Protective Action Recommendations	NS
1.4: Protective Action Decisions Plume Phase	NA
1.5: Protective Action Decision Implementation Plume Phase	NA
1.6: Protective Action Decisions Post-Plume Phase	NS
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NS
Objective 2: Exposure Control Capability Targets	
2.1: Emergency Worker Exposure Control Decision-Making Process	NA
2.2: Emergency Worker Exposure Control Management	M
Objective 3: Alert and Notification Capability Targets	
3.1: Communications	M
3.2: Alert and Notification of the Public	NA
3.3: Emergency Information and Instructions Public and News Media	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets	
4.1: Field Monitoring Teams Management	NA
4.2: Plume Phase Measurements and Sampling	NA
4.3: Post-Plume Phase Measurements and Sampling	NA
4.4: Laboratory Operations	NA
4.5: Plume Phase Analysis and Dose Assessment	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA
Objective 5: Operate Capability Targets	
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	M
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NS
5.4: Traffic and Access Control	NA

Table 3.1.4 Summary of Exercise Evaluation - Columbiana County Out-of-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 7, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected			
	Communications Demonstration	DC Briefing/Interview/TACP	School Interview
Objective 1: Emergency Operations Management Capability Targets			
1.1: Mobilization	NA	NA	NA
1.2: Direction and Control	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	M
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	NA	M	M
Objective 3: Alert and Notification Capability Targets			
3.1: Communications	M	M	M
3.2: Alert and Notification of the Public	NA	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets			
4.1: Field Monitoring Teams Management	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA
Objective 5: Operate Capability Targets			
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NS	NS	NS
5.4: Traffic and Access Control	NA	M	NA

Table 3.1.5 Summary of Exercise Evaluation - Columbiana County Out-of-Sequence Activity

SITE: Beaver Valley Power Station DATE: June 8, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Congregate Care Center	Emergency Worker Monitor/Decon
Objective 1: Emergency Operations Management Capability Targets		
1.1: Mobilization	NA	NA
1.2: Direction and Control	NA	M
1.3: Protective Action Recommendations	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA
Objective 2: Exposure Control Capability Targets		
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NA
2.2: Emergency Worker Exposure Control Management	NA	M
Objective 3: Alert and Notification Capability Targets		
3.1: Communications	NA	M
3.2: Alert and Notification of the Public	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets		
4.1: Field Monitoring Teams Management	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA
4.4: Laboratory Operations	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA
Objective 5: Operate Capability Targets		
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	M	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	M
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NS	NS
5.4: Traffic and Access Control	NA	NA

3.2 Detailed Results of Exercise Evaluation

The Homeland Security Exercise and Evaluation Program methodology is an analytical process used to assess the demonstration of specific capabilities during an exercise. A capability provides a means to perform one or more capability targets under specified conditions and to specific performance standards. Core capabilities form the foundation of the DHS/FEMA 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 SEOC Watch Office/Assessment Room/INP

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.

3.2.1.2 SEOC Executive 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: 1.3 Protective Action Recommendations

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: 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.

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.

3.2.1.3 SEOC Assessment 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: 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.

3.2.1.4 SEOC Dose Assessment

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: 1.3 Protective Action Recommendations

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: 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.

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: 4.5 Plume Phase Analysis and Dose Assessment

Core Capabilities: 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.

3.2.1.5 EOF Coordination

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.

3.2.1.6 SEOC Joint Information Center

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.

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.

3.2.1.7 Joint Public Information 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 this capability target were carried out in accordance with 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 this 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.

3.2.1.8 State Liaison at 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 Columbiana County 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.

3.2.2.3 Columbiana County 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:

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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 Columbiana County Out-of-Sequence

3.2.3.1 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.

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.

3.2.3.2 Communications Demonstration

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.

3.2.3.3 Monitor/Decon Evacuees/Vehicles

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; Planning

All activities described in the demonstration criterion 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 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.

3.2.3.5 Emergency Worker Monitor/Decon

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.

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.

3.2.3.6 DC Briefing/Interview/TACP

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.

3.2.3.7 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.

Section 4: Conclusion

The DHS/FEMA assesses offsite response organization preparedness on an ongoing basis which meets the intent of the 44 C.F.R. § 350 planning standards and through the assessment of selected core capabilities, the National Preparedness Goal. This report is used to document biennial demonstration-based assessment activities.

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.

In addition, the State of Ohio, Columbiana County, and Beaver Valley Power Station offsite response organizations completed this exercise during the ongoing Public Health Emergency. The state and counties innovatively and successfully implemented and used technology to ensure sufficient support and response. The integration of tele- and videoconferencing also allowed players to participate and enhanced the operational communication capability within the state.

The DHS/FEMA evaluation team identified no Findings and no Plan Issues for the State of Ohio or Columbiana County during the 2022 BVPS Exercise. Based on the results of this exercise, the planning and preparedness for the State of Ohio and Columbiana County provide reasonable assurance that appropriate measures can be taken to protect public health and safety. Therefore, 44 C.F.R. § 350, approval of the offsite radiological emergency response plans and preparedness for the state of Ohio, remains in effect. Despite the current pandemic and other ongoing real-world response efforts, the professionalism and teamwork of the participants was evident throughout all phases of the exercise. The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated and made this exercise a success.

Section 5: Improvement Plan

This appendix summarizes the results from the of the evaluation of all jurisdictions and functional entities that participated in the June 7, 2022, Beaver Valley Power Station (BVPS), Radiological Emergency Preparedness Partial Participation, Plume Exposure Pathway Exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone surrounding the BVPS.

The U. S. Department of Homeland Security/Federal Emergency Management Agency evaluation team identified no Level 1 or Level 2 Findings and no Plan Issues for the State of Ohio or Columbiana County during the 2022 BVPS exercise.

Appendix A: Exercise Timeline

Date and Site: June 07, 2022 - Beaver Valley Power Station

Emergency Classification Level Event or Action	Time Utility Declared	Times entered are Eastern Daylight Time (EDT) that Notification was received, or action was taken						
		EOF	SEOC DOSE ASSESSMENT Room	SEOC EXEC Room	SEOC ASSESS Room	SEOC JIC Room	COLUMBIANA County	BVPS
Unusual Event: <i>State INP Time/County INP Time</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert:	1617	1624	1649	1630	1628	1643	1628	1652
Site Area Emergency:	1723	1726	1731	1730	1731	1734	1727	1750
General Emergency:	1902	1916	1913	1913	1917	1917	1913	1955
Release of Radioactive Materials Started:	1901	1901	1901	1901	1901	1915	1913	----
Release of Radioactive Material Terminated:		----	----	----	----	----	----	----
Facility Declared Operational:		1709	1653	1644	1741	1725	1640	1740
Declaration of STATE Emergency:		1758	1758	1756	1756	1756	1756	1756
Declaration of LOCAL Emergency: CCo		----	----	----	----	----	1740	1750
Exercise Terminated		2117	2056	2044	4048	2048		1750
Early Precautionary Action Recommendation: 1. Relocate School Children:		----	----	1749	----	----	----	----
2. Restrict Boating Traffic:		1729	1758	1719	1715	1736	1720	1712
3. Restrict Air and Rail Traffic		1938 [A] 1756 [R]	1758	1719	1741	1741	1740	1712
4. Close Parks:		1729	1758	1719	1720	1736	1721	----
5. Livestock Advisory:		1758	1758	1746	1746	1759	1757	1750
General Information Message Only "Limited Precautionary Action" (Decision Made)		----	1739	1739	1740	1743	1739	----
1st Siren Activation:		----	----	1756	1756	----	1756	----
1st EAS/EBS Message: B		----	----	1759	----	----	1759	----
1st Protective Action Recommendation: State PAR[s] to County:		----	1946	1946	1946	1946	1947	----
1st Protective Action Decision[s] - County PAD[s]: <input type="checkbox"/> No Action <input type="checkbox"/> Shelter-In-Place Sub-areas _(list) : N/A <input checked="" type="checkbox"/> Evacuate Sub-areas: 1, 2, 2 DRD Correction Value: N/A		----	1948	1948	1948	1946	1948	1955
2nd Siren Activation:		----	----	1959	1959	----	1959	1959

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Emergency Classification Level Event or Action	Time (EDT) that Notification was received, or action was taken						
	EOF	SEOC DOSE ASSESSMENT Room	SEOC EXEC Room	SEOC ASSESS Room	SEOC JIC Room	COLUMBIANA County	BVPS
2nd EAS/EBA Message: D	----	----	2002	----	----	2002	----
KI Administration Recommendation:	----	1946	1946	1946	1946	1947	1955
Emergency Workers: PAR/PAD: Sub-area 1,2,3	----	1946	1946	1946	1946	1945	1955
Institutionalized Persons: PAR/PAD: Sub-area 1,2,3	----	1946	1946	1946	1946	1945	1955
General Public: PAR/PAD: Sub-area 1,2,3	----	1946	1946	1946	1946	1947	1955

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Appendix B: Participating Organizations

Federal Organizations

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

State of Ohio

Ohio Department of Health (ODH)

Ohio Department of Natural Resources (ODNR)

Ohio Department of Public Safety (ODPS)

Ohio Department of Transportation

Ohio Emergency Management Agency (Ohio EMA)

Ohio Environmental Protection Agency (OEPA)

Ohio Geographically Referenced Information Program (OGRIP)

Ohio State Highway Patrol (OSHP)

Columbiana County

Columbiana County Board of Commissioners

Columbiana County Emergency Management Agency

Columbiana County Engineer's Office (CCEO)

Columbiana County Sheriff's Office (CCSO)

Columbiana County Health Department

East Liverpool School District

Lisbon FD

Middleton Township FD/EMS

West Point Volunteer Fire/EMS

Private Organizations

American Red Cross

Energy Harbor (BVPS Owner/Operator)

Lisbon Area Radio Association Amateur Radio Emergency Services

Ohio Section Amateur Radio Emergency Services

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	Carl Bebrich	DHS/FEMA
Ohio Site Specialist	Brian Reinhart	DHS/FEMA
Team Leader – State of Ohio	Debra Schneck	DHS/FEMA
Team Leader – Columbiana County	Edward Diaz	DHS/FEMA
Contractor Evaluator Support – Regional Coordinator	Marcy Campbell	ICFI
Contractor Scenario Technical Reviewer	Jill Leatherman	ICFI

Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
State of Ohio		
Ohio – SEOC – Watch Office/INP	Karl Rabenhorst	DHS/FEMA
Ohio – SEOC – Executive Room	Todd Lawson	DHS/FEMA
Ohio – SEOC – Executive Room	Angela Cloutier	DHS/FEMA
Ohio – SEOC – Assessment Room	Curtis Williams	DHS/FEMA
Ohio – SEOC – JIC Room	Brett Beardsley	DHS/FEMA
Ohio – SEOC – State Liaisons at County EOC	Todd Trygier	DHS/FEMA
Ohio – SEOC – Dose Assessment Room	Jill Leatherman	ICFI
Ohio – SEOC – Dose Assessment Room	Reggie Rogers	ICFI
Ohio – State Liaison – BVPS JPIC	Tom Hegele	ICFI
Ohio – State Liaison – BVPS EOF	Marcy Campbell	ICFI
Columbiana County		
Columbiana County – EOC – Communications Demonstration	Michael Burriss	ICFI
Columbiana County – EOC – Initial Notification Point	Michael Burriss	ICFI
Columbiana County – EOC – Operations Room	Terry Blackmon	ICFI
Columbiana County – EOC – Operations Room	Mark Dalton	ICFI
Columbiana County – EOC – Executive Room	Brenda Rembert	ICFI
Columbiana County – DC Briefing Emergency Worker Mon/Decon	Marynette Herndon	ICFI
Columbiana County – Emergency Worker Mon/Decon	Thomas Essig	ICFI
Columbiana County – Emergency Worker Mon/Decon Vehicles	Cheryl Weaver	ICFI
Columbiana County – DC Briefing / TCP/ACP	Michael Burriss	ICFI
Columbiana County – DC Briefing / EV2	Margaret Swearingen	ICFI
Columbiana County – Congregate Care	Teri Englehart	ICFI
Columbiana County – DC Briefing Reception Center/Registration	Marynette Herndon	ICFI
Columbiana County – Mon/Decon Evacuees	Thomas Essig	ICFI
Columbiana County – Mon/Decon Evacuees	Cheryl Weaver	ICFI

Appendix D: Acronyms and Abbreviations

ACRONYM	DESCRIPTION
BVPS	Beaver Valley Power Station
CCEMA	Columbiana County Emergency Management Agency
CCEO	Columbiana County Engineer's Office
CCSO	Columbiana County Sheriff's Office
CFR	Code of Federal Regulations
COVID-19	Coronavirus disease 2019 (COVID-19) - an infectious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
DC	Dosimetry Coordinator
DHS	Department of Homeland Security
DRD	Direct Reading Dosimeter
EAS	Emergency Alert System
EDT	Eastern Daylight Time
EMA	Emergency Management Agency
ENS	Emergency Notification System
EOC	Emergency Operation Center
EOF	Emergency Operations Facility
EoPA	Extent-of-Play Agreement
EPZ	Emergency Planning Zone
ER	Executive Room
EW	Emergency Worker
EWDC	Emergency Worker Decontamination Center
FD	Fire Department
FEMA	Federal Emergency Management Agency
FMTs	Field Monitoring Teams
gpm	gallons per minute
IP	Improvement Plan
JIC	Joint Information Center
JIS	Joint Information System
JPIC	Joint Public Information Center
KI	Potassium Iodide
MARCS	Multi-Agency Radio Communications System
NRC	Nuclear Regulatory Commission
ODH	Ohio Department of Health
ODNR	Ohio Department of Natural Resources
ODPS	Ohio Department of Public Safety
ORO	Offsite Response Organization
OSHP	Ohio State Highway Patrol
OSU	Ohio State University
Ohio EMA	Ohio Emergency Management Agency
OEPA	Ohio Environmental Protection Agency

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ACRONYM	DESCRIPTION
OGRIP	Ohio Geographically Referenced Information Program
PA	Pennsylvania
PAD	Protective Action Decision
PIO	Public Information Officer
PEMA	Pennsylvania Emergency Management Agency
PRD	Permanent Record Dosimeter
RAC	Regional Assistance Committee
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RO	Radiological Officer
RRA	Resident Radiological Analyst
TACP	Traffic and Access Control Point
U.S.	United States
USDOE	U.S. Department of Energy

Appendix E: Onsite/Offsite Scenario Timeline

Beaver Valley Power Station Evaluated Exercise Onsite / Offsite Scenario Conditions June 7, 2022

Color Key:

BOLD BLUE - ECL Declarations

Blue - Utility Actions

Purple - County Actions

BOLD BLACK - Start of Release

Red - State Actions

Note: The timing of State's and County' expected actions, as listed, is flexible and may not be performed in the order shown.

Approximate Time	State of Ohio Expected Actions	Columbiana County Expected Actions
<p>Initial Conditions</p> <p>Unit 1</p> <p>Currently 100% power.</p> <p>Protected Train is 'B.'</p> <p>No major equipment is out of service.</p> <p>RCS leak rate 0.03 gpm identified and 0.02 gpm unidentified</p> <p>RCS activity 0.10 uCi/ml with a DEI 131 of 1.20E-4 uCi/g</p> <p>Unit 2 is at 100% power.</p> <p>Protected Train is 'B.'</p> <p>No major equipment is out of service.</p> <p>Meteorological Conditions</p> <p>Wind is 9 mph from 94°</p>		

Cloudy skies with 5% chance of precipitation

Temperature: 70°F

Stability Class: F

Other Conditions

Crews instructed to maintain 100% power, both Unit 1 and Unit 2.

Schools are in session.

4:00 PM StartEx at BVPS	
4:10 PM	A 325 gpm LOCA occurs inside containment.
4:11 PM	The Control Room will initiate a Reactor Trip and Safety Injection
4:12 PM	#1 Emergency Diesel Generator fails to start.
4:25 PM	BVPS declares an ALERT based on EAL FA.1.1 "Any loss or any potential loss of EITHER Fuel Clad or RCS."
4:35 PM	Loss of all three Auxiliary Feedwater Pumps.
4:35 PM	A steam break occurs in the Main Steam Valve Room.

4:40 PM	Offsite response agencies notified of ALERT declaration.	
	Dispatch notifies the Radiological Branch.	
	Coordination call with Ohio Emergency Management Agency (EMA) leadership discusses possible actions.	
4:50 PM	With no success path to restore Auxiliary Feedwater, Control Room will take actions to place other sources of feedwater in service (e.g., Main Feedwater, Condensate, and/or Dedicated Aux Feedwater Pump).	
	Partially activate State Emergency Operations Center (EOC). Executive Room (ER), Assessment, Dose Assessment (DA), and Joint Information Center (JIC) are activated. Emergency Support Function (ESF) 1 (Transportation), ESF-9 (Search & Rescue) are also activated.	Activate County EOC as warranted.
	Watch Office sends eNotify notifications to DA group members, contiguous governments, NOC, FEMA, and NRC . ESF-1 and ESF-9 are asked to staff the State EOC. All other ESFs are invited to staff, if necessary for their operations.	Notify key response personnel.
	Complete actions under UNUSUAL EVENT.	Complete actions under UNUSUAL EVENT.
	State agencies alert and mobilize staff to support response.	

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		Establish EOC security.
	Establish communications on the Gold Executive Conference (GEC) Line.	Establish communications on the GEC Line.
	Establish communications on the Pennsylvania Emergency Management Agency (PEMA) bridgeline.	Establish communications on the PEMA bridgeline.
	Public Information Officer (PIO) dispatched to the BVPS Joint Public Information Center (JPIC).	
	State Liaisons dispatched to the BVPS Emergency Operations Facility (EOF).	
		Consider relocating students/staff from all EPZ schools. Place schools designated to serve as Host Schools or Primary Care Centers on standby for potential early dismissal.
		Place Fire/EMS departments on standby to staff Emergency Worker Monitoring & Decontamination (EWMD) Stations, Reception Center monitoring & decontamination, and backup route alerting
		Salem Hospital goes to a Code Yellow, Level 1.
	Norfolk-Southern is advised of the Alert.	

	DOE REP Region V is advised of the Alert.	
	Dose Assessment begins to monitor plant conditions and run dose projections.	
	ER discusses closing ODNR properties with the County.	Discuss closing ODNR properties within the 10-mile EPZ.
	If authorized, ODNR closes properties within the 10-mile EPZ.	
	ER discusses closing navigable waterways including public ramps on the Ohio River with the County.	Discuss closing navigable waterways including public ramps on the Ohio River within the 10-mile EPZ.
	If authorized, ODNR closes navigable waterways and public ramps on the Ohio River within the 10-mile EPZ.	
		Deliver decontamination trailer and equipment to Middleton Township Fire & EMS.
		Begin compiling information and transportation needs for Special Facility/Special Needs evacuations.
	Field Monitoring Teams (FMTs) are put on stand-by or mobilized, then dispatched to utility staging area.	
	Public Inquiry begins taking calls from the public at the State EOC.	Public Inquiry begins taking calls from the public at the EOC.
	News releases are created and issued. Press briefings occur at the BVPS JPIC.	News releases are created and issued.

5:30 PM	Both starting relays for the Emergency Diesel Generator are melted.	
5:45 PM	Containment pressure rises >5 psig.	
6:00 PM	BVPS declares a Site Area Emergency based on EAL FS1 "Loss or potential loss of ANY two barriers."	
6:15 PM	Offsite response agencies notified of Site Area Emergency declaration.	
6:15 PM	LOCA increases in severity. Containment pressure rate of rise increases. Quench Spray Pumps start and pressure begins to lower.	
	If not already completed, State EOC is fully activated.	If not already completed, fully activate the EOC.
	Ag advisory issued placing livestock and poultry within 10-mile radius on stored feed and protected water.	
6:25 PM	1QS-P-1B pump catastrophically fails, damaging the motor for 1QS-P-1A. Containment pressure begins to rise.	
6:30 PM	#1 Emergency Diesel Generator starting relay replaced. It is now available for automatic service.	
	Dose Assessment proposes a PAR for the public to go indoors and monitor the Emergency Alert System (EAS) to the State Executive Room.	

	PAR issued by State for 10-mile Emergency Planning Zone (EPZ) to monitor EAS.	
		County Executive Room determines a Protective Action Decision (PAD).
		County notifies the State, appropriate facilities, agencies, and personnel of PADs, if necessary.
		Sirens are activated and an EAS message issued with the PAD to the public.
		If both a siren(s) and ENS fail, provide backup route alerting.
6:45 PM	Containment pressure reaches 11.1 psig.	
	Watch Office sends eNotify notifications to DA members, Ohio EMA staff, State EOC partner agencies, contiguous governments, FEMA, and NRC . All ESFs are requested to staff State EOC.	
	Complete actions under ALERT.	Complete actions under ALERT.
		Consider relocating students/staff from all EPZ schools. Close non-EPZ schools and send students home to allow more transportation and Care Center resources to be available for use.

	Governor may declare a state of emergency.	Consider declaring a local “State of Emergency” in Columbiana County.
	Department of Administrative Services (DAS) suspends purchasing and contracting requirements during the period of the emergency.	
		Establish background radiation levels.
		Notify Special Facilities located within the 10-mile EPZ of the Site Area Emergency.
		Notify special needs and transportation dependent individuals.
		Bus drivers put on stand-by.
		Ensure relocation of EPZ schools.
	DA continues to monitor plant conditions and run dose projections.	
	CSX is requested to restrict trains from entering the 10-mile EPZ.	
	50-mile counties are notified.	

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	FMTs may be dispatched to staging area or begin traversing area where a plume could potentially be based on met data.	
		Salem Hospital goes to Code Yellow, Level 2.
		Staff emergency worker contamination monitoring stations.
		Staff reception centers and evacuee contamination monitoring stations.
		Staff primary Care Centers.
	USDOE assistance is requested.	
	Radiological emergency information made available to farmers, food processors, and distributors through the local OSU Extension.	
		Consider activating T/ACPs.
		Maintain evacuation routes.
	Public inquiry continues to field calls at the State EOC.	Public Inquiry continues to field calls from at the EOC.

	News releases are issued. Press briefings occur at the BVPS JPIC.	Provide news statements and public information.
7:00 PM	Containment pressure rate of rise abruptly changes. Pressure begins to lower. RM-1VS-110 reads 8.76E6 uCi/s.	
7:02 PM	Containment radiation level rising rapidly. RM-219A/B reads 150 R/hr and continues rising.	
7:10 PM	Containment radiation levels peak and stabilize. RM-219A/B reads 550 R/hr.	
7:15 PM	BVPS could declare General Emergency on EAL FG1 “Loss of ANY two barriers AND Loss or Potential Loss of third barrier.”	
7:30 PM	BVPS issues a PAR to evacuate 2 miles 360° and 5 miles downwind sectors L, M, N, P, and Q. All others should monitor and prepare. KI to be recommended per State plan.	
7:30 PM	Offsite response agencies notified of General Emergency declaration.	
	State EOC representatives are advised of the escalation to a General Emergency.	
7:40 PM	A Recirculation Spray Pump may be started to reduce Containment pressure and shorten the release duration. It will be dependent upon sump levels.	
7:45 PM	1QS-P-1A is ready for service with motor from 1QS-P-1B.	
	Dose Assessment proposes a PAR for evacuation and ingestion of KI to the State Executive Room.	

	State Executive Room is advised of the State PAR, including Sub-Areas to evacuate and take KI by emergency workers, institutionalized individuals, and the public.	
7:45 PM	FLEX Alternate Auxiliary Feedwater Pump is ready for service.	
	PAR issued by State to evacuate 2 mile 360°, 5 mile downwind, Sub-Area 1. Remainder of EPZ to monitor EAS.	
	State issues PAR for public, institutionalized, and emergency workers within the evacuated areas ingest KI.	
		Consider the utility and State PARs for evacuation or shelter-in-place.
		Consider recommending administration of KI to emergency workers, institutionalized individuals and the general public, if recommended by the State.
		County Executive Room determines PAD to evacuate Sub-
		Area 1, remainder of EPZ monitor EAS.
		County Executive Room issues a PAD for the public, emergency

		workers, and institutionalized person to ingest KI.
		Notify State, appropriate facilities, agencies, and personnel of PADs, if necessary.
		Coordinate activation of sirens and issue EAS message with PAD to the public.
		If both siren(s) and ENS fail, provide backup route alerting.
		Disseminate recommendation to take KI to emergency workers, institutionalized individuals, and the general public, as appropriate.
		Notify Special Needs persons within the EPZ of any EAS message.
		Notify Special Facilities located within the 10-mile EPZ of the General Emergency.
	Complete actions under ALERT and SITE AREA EMERGENCY.	Complete actions under ALERT and SITE AREA EMERGENCY.
		Activate Traffic/Access Control Points (T/ACPs).
		Maintain evacuation routes.

	State may request implementation of the NRF and a Presidential Emergency Declaration. State may consider requesting a Federal Major Disaster Declaration, dependent upon contamination and extent of event.	
	Additional notifications to be performed by Assessment, including contiguous governments, 50-mile counties, FEMA V, NRC III.	
	Dose Assessment continues to monitor plant conditions and run dose projections.	
	FMTs continue taking air samples in the plume. Samples are screened and sent to the lab.	
		Activate emergency worker contamination monitoring station.
		Activate reception center and evacuee contamination monitoring station.
		Activate primary care center.
		Provide transportation for institutionalized individuals, special populations, and transportation

		dependent individuals if an evacuation is recommended.
		Monitor emergency worker exposures.
	Radiological emergency information made available to farmers, food processors, and distributors through the local OSU Extension.	
	Public inquiry continues to field calls at the State EOC.	Public Inquiry continues to field calls from at the EOC.
	News releases are issued. Press briefings occur at the BVPS JPIC.	Provide news statements and public information.
8:30 PM	EndEx (with concurrence of FEMA, BVPS, State of Ohio, and Columbiana County)	

Appendix F: Extent of Play Agreements

2022 BEAVER VALLEY POWER STATION RADIOLOGICAL EMERGENCY PREPAREDNESS PLUME EXPOSURE PATHWAY EXERCISE 2022.06.07



State of Ohio Extent-of-Play

Rev. 7; 2022.04.21

Overview

Introduction

This document constitutes the State of Ohio's Extent of Play Agreement (EOP) for the 2022 Beaver Valley Power Station (BVPS) Radiological Emergency Preparedness (REP) Plume Pathway Exercise being conducted during the late afternoon and evening hours on June 7, 2022.

The exercise will be a Partial Participation exercise for the State of Ohio. This Extent of Play Agreement was developed by the Exercise Planning Team in consultation with Federal Emergency Management Agency (FEMA) using the 2019 edition of the FEMA REP Program Manual. Evaluation Criteria from the 2016 FEMA REP Program Manual have been included for reference only.

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Acronyms

BVPS	Beaver Valley Power Station
COVID-19	Coronavirus Disease 2019
DBNPS	Davis-Besse Nuclear Power Station
DPS	Department of Public Safety
DRD	Direct Reading Dosimeter
ECL	Emergency Classification Level
EGLE	Environment, Great Lakes, and Energy
EMA	Emergency Management Agency
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPA	Environmental Protection Agency
EPZ	Emergency Planning Zone
ESF	Emergency Support Function
FEMA	Federal Emergency Management Agency
FMT	Field Monitoring Team
GIS	Geographic Information System
IPX	Ingestion Pathway Exercise
JIC	Joint Information Center
JPIC	Joint Public Information Center
KI	Potassium Iodide
MS	Microsoft
MSEL	Master Scenario Events List
N/A	Not Applicable
N/S	Not Selected
ODH	Ohio Department of Health
OGRIP	Ohio Geographically Referenced Information Program
ORO	Offsite Response Organization
OSHP	Ohio State Highway Patrol
PAD	Protective Action Decision
PAG	Protective Action Guide
PAR	Protective Action Recommendation
PIO	Public Information Officer
PNPP	Perry Nuclear Power Plant
PPX	Plume Pathway Exercise
PRD	Permanent Reading Dosimeter
REP	Radiological Emergency Preparedness
RRA	Resident Radiological Analyst
SSAF	State Supplemental Action Forms

General Information

Disclaimer

All demonstration activities will be conducted in accordance with the 2019 FEMA REP Program Manual except as noted in this agreement. Evaluation Criteria from the 2016 FEMA REP Program Manual have been included as references only. Real life emergencies and personnel health and safety will take precedence over exercise play.

**COVID-19
Update**

The Coronavirus Disease 2019 (COVID-19) cases in the State of Ohio are on the rise and the highly contagious variant “omicron” spreads quickly. Due to the circumstances, Ohio Emergency Management Agency’s (EMA) management has determined the majority of State employee participation at the State Emergency Operations Center (EOC) and the BVPS Joint Public Information Center (JPIC) will be demonstrated virtually in both May and June for the BVPS Dry Run and Evaluated Exercise.

While a fully “in-person” exercise would be preferred, the State of Ohio has chosen to perform a largely virtual exercise for the safety of the Players, Controllers, and Evaluators.

**Participating
Organizations**

Organizations participating in this exercise include:

- Michigan Environment, Great Lakes, and Energy (EGLE)
 - Ohio Department of Public Safety (DPS)
 - Ohio Emergency Management Agency (Ohio EMA)
 - Ohio Department of Health (ODH)
 - Ohio Environmental Protection Agency (Ohio EPA)
 - Ohio Geographically Referenced Information Program (OGRIP)
-

References

In this document, any references to Assessment, Dose Assessment, Executive Room, or Joint Information Center (JIC), should be assumed to refer to these locations/activities as they take place at the State Emergency Operations Center (EOC). If a different location is intended, it will be specified.

Virtual/ In-
Person
Participation

The State of Ohio will partially participate in this exercise, sufficient to support demonstrations by Columbiana County. In-sequence activities will be conducted on Tuesday June 7, 2022, and evaluated at the following locations, with the noted exceptions. Locations are listed in alphabetical and numerical order.

- BVPS EOF
 - Level of play
 - Utility EOF Liaison (ODH) – in-person
 - Utility EOF Liaison (Ohio EMA) – in-person
- BVPS JPIC
 - Level of play
 - Public Information Office (PIO) (Ohio EMA) – virtual
 - Utility JIC Liaison (ODH) – virtual
- Columbiana EOC
 - Level of play –
 - County EOC Liaison (ODH) – in-person
 - County EOC Liaisons (Ohio EMA x2) – in-person
(One Liaison will perform dose assessment for the county)
 - FMT Coordinator (Ohio EMA) – virtual
 - With no FMTs participating, the position will be performed by a Controller acting as the FMT Coordinator who is “coordinating and communicating with FMTs in the field.” No actual coordination or communication with FMTs will occur.
 - The FMT Coordinator will NOT be evaluated.
- State EOC (in alphabetical order)
 - Emergency Support Functions (ESFs) (in numerical/alphabetical order)
 - ESF-5, Information and Planning
 - Assessment Room
 - Level of Play
 - Field Desk Members (Ohio EMA) – no participation
 - Watch Officer (Ohio EMA) for Initial Warning Point – in-person
 - Information and Planning Section Chief (Ohio EMA) – in-person
 - Situation Unit Leader (Ohio EMA) – no participation
 - Dose Assessment Room
 - Level of Play
 - Dose Assessment Members (ODH) – virtual

- Formal Line Communicator (Ohio EMA) – in-person
- Informal Line Communicator (ODH) – no participation
- Radiological Assessment Branch Director (Ohio EMA) – in-person
- Utility Liaison (Energy Harbor) – virtual
- Field
 - Level of Play
 - Field Monitoring Teams (FMT) (Ohio EMA) – no participation
 - FMT Courier (Ohio EMA) – no participation
 - Sample Screening Members (ODH) – no participation
- Geographic Information Systems (GIS)
 - Level of Play
 - GIS Administrator – in-person
 - GIS (OGRIP) – virtual
- ESF-15, Emergency Public Information and External Affairs
 - State JIC
 - JIC Manager (Ohio EMA) – virtual
 - Public Information Officer (ODH) – virtual
 - JIC Writer (Ohio EPA) – virtual
 - Public Inquiry (ODH) – no participation
 - Social Media – no participation
 - Executive Room
 - Level of Play
 - Executive Room Legal Counsel (DPS) – virtual
 - Executive Room Liaison (Ohio EMA) – in-person
 - Executives (ODH) – virtual
 - Executives (Ohio EMA) – virtual
 - Executives (Ohio EPA) – virtual
 - Operations Floor
 - Level of Play
 - EOC Manager (Ohio EMA) – no participation
 - Operations Section (Ohio EMA) – no participation
 - ESFs 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, and 14 – no participation

For activities, whether demonstrated in-person or virtually, Microsoft (MS) Teams will be used as a tool for communication and transmittal of documentation.

Simulation

All communications with the Governor’s Office will be simulated.

**Pre-Staging –
State EOC Only**

In-person Ohio EMA Players will remain in their offices prior to notification of the event or activation of the State EOC.

The Assessment Room prior to an activation is known as the Ohio EMA Watch Office. The Watch Office is in continuous operation. The Watch Office staff will be present, per normal operations, when the exercise begins.

All Players will be allowed to sign into the “DPS BVPS” Team’s channels after they have been notified of their position’s activation or previous arrangements with FEMA have been made. For example, the Radiological Branch Chief may arrange to be on a channel with an Evaluator to allow the Evaluator to listen to the management coordination call after initial notification from BVPS is received.

**Pre-Staging –
Other Locations**

State personnel to staff in-person non-State EOC positions will be pre-positioned for the following locations:

- BVPS EOF (Utility EOF Liaison (ODH, Ohio EMA))
- Columbiana County EOC (County EOC Liaison (Ohio EMA [x2]) (ODH), County Dose Assessment (Ohio EPA))

The Utility EOF Liaisons assigned to the BVPS EOF will be prepositioned in the area and will arrive 10-20 minutes after they receive the emergency notification, in order to simulate travel time.

The two Ohio EMA Resident Radiological Analysts (RRAs) at the Columbiana County Emergency Management Agency/EOC will be in the RRA office on location before the exercise begins as it is near the end of normal work hours.

The FMT Coordinator Controller (Ohio EMA), Public Information Officer (PIO) (ODH), and the Utility JIC Liaison (ODH) will be participating virtually.

Players will be allowed to sign into the “DPS BVPS” Team’s channels after they have been notified of their position’s activation.

**Off-Site
Timeline**

An off-site timeline, with anticipated state and county responses, will be provided to FEMA for review a minimum of 30 days prior to the exercise date.

Master Scenario Events List The State will develop and implement a Master Scenario Events List (MSEL) sufficient to drive actual and simulated State play, support Columbiana County play. Sufficient Controllers will be on hand to provide injects to drive the scenario and control exercise play. The MSEL will be provided to FEMA for review at least 30 days prior to the exercise.

Controllers Each location or MS Teams channel with a State of Ohio participant will be assigned a Controller whose function will be to ensure that exercise activities are conducted safely and remain on track relative to the scenario and exercise timeline. The Columbiana County EOC and the BVPS EOF will be the exceptions.

The Ohio EMA Resident Radiological Analysts (RRAs) are County EOC/Utility EOF Liaisons located at the Columbiana County EOC and the BVPS EOF. Although Players, they will be available to field questions from the FEMA evaluators. One of the Ohio EMA County EOC Liaisons is a “trusted agent.” The “trusted agent” will be identified to FEMA prior to the exercise. However, the Ohio EMA Utility EOF Liaison is not a “trusted agent.” As an RRA, that person will be able to answer some exercise-related questions. If an issue arises, the Ohio EMA Lead Controller will be available by phone.

If necessary, the Controllers will provide injects to drive exercise play in concert with the MSEL and this extent-of-play agreement. Pre-scheduled emails to certain positions may be employed as well.

Exercise Evaluation

Evaluators are requested to not travel to the State EOC or the BVPS JPIC for the exercise. If Evaluators wish to be present at the Columbiana County EOC, they must request permission from the Columbiana County EMA Director. If they wish to be present at the BVPS EOF, they must coordinate with Ohio EMA to engage in discussions with Energy Harbor for permission to attend.

All Evaluators and FEMA exercise personnel will be given access to the BVPS Team and Channels within MS Teams. Access to the State's WebEOC can be granted, if requested.

The Lead Controller and the FEMA Exercise Director will arrange for Evaluators to enter the "DPS BVPS" Team channels at a time after State Controllers have entered and are available for introductions and questions. Communications checks will occur prior to the exercise.

If the scenario utilized for the exercise does not drive the decision-making process, some criterion may be demonstrated by Evaluator interview.

Documents added to MS Teams or WebEOC will be gathered by the Lead Controller and provided to the FEMA Exercise Director the day after the exercise is held.

Redemonstration Capability Targets/ Criteria

Criteria that will be demonstrated during this exercise and can be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader, include the following listed by 2019 RPM Capability Target/2016 RPM Evaluation Criteria: 1.1/1.a.1; 2.1/2.a.1; and 3.1/1.d.1.

The Criterion that may be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader OR may be re-demonstrated as approved on a case-by-case basis by the Chairperson of the Regional Assistance Committee, is listed by 2019 RPM Capability Target/2016 RPM Evaluation Criteria: 1.2/1.c.1.

Criteria that may be re-demonstrated as approved on a case-by-case basis by the Chairperson of the Regional Assistance Committee, include the following listed by 2019 RPM Capability Target/2016 RPM Evaluation Criteria: 1.3/2.b.1; 1.4/2.b.2; and 1.4/2.c.1.

Re-demonstrations 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.

Out-of-Sequence Participation

There will be no State of Ohio scheduled out-of-sequence evaluated demonstrations.

FEMA/ICFI Evaluator Pre-Exercise Briefing

The State of Ohio will brief FEMA Evaluators on the accepted extent of play and any changes that have been agreed upon with FEMA Region V at the FEMA Pre-Exercise Meeting on Monday, June 6, 2022.

Any virtual arrangements for the meeting will be provided for at least a week prior to the date of the meeting.

FEMA Exercise Briefing/Public Meeting

FEMA will conduct both an exercise briefing for participants and a public meeting on Friday, June 10, 2022 at the Columbiana County EOC. The briefing will begin at 10:00am. The public meeting will be held at 11:00am.

Public Notice

The public notice will be published in The Morning Journal on May 31, 2022.

Objective 1: Emergency Operations Management

Capability Target 1.1	Individuals with roles in support of emergency operations are identified, alerted, and mobilized in a timely manner. (2016 RPM: 1.a.1)
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Locations/ Positions	Assessment Room, BVPS EOF, BVPS JPIC, Columbiana County EOC, Dose Assessment Room, Executive Room, State JIC
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Extent of
Play

The Watch Office will receive the initial notification over the BVPS Conference Bridge which is passcode protected. Phone communications will be assumed by the Formal Line Communicator in the Dose Assessment Room once the position is activated and staffed.

Note: Once the Watch Office is activated, it officially becomes the Assessment Room.

The agencies that have responsibilities in the State EOC are activated at various Emergency Classification Levels (ECLs). Under normal emergency conditions, the Assessment Room, Dose Assessment Room, Executive Room, and State JIC will activate at the Alert ECL. Other locations that will be activated at the Alert ECL include: the BVPS EOF, BVPS JPIC, and Columbiana County EOC.

Note: The Watch Office is always staffed.

For a typical response, all partner agencies are notified of an event at BVPS at each ECL, starting at Alert. For BVPS, specific Emergency Support Functions (ESFs) would be requested to staff the State EOC at Alert, such as ESF-1, Transportation and ESF-9, Search and Rescue. However, any agency who has responsibilities at the State EOC would also be allowed to arrive and staff the Operations Floor at any time they deemed it necessary. The State EOC will be “fully” activated when appropriate to the situation, but no later than when the Site Area Emergency ECL is declared. Various initiating events may trigger an activation of the State EOC at an earlier ECL.

Note: For the 2022 BVPS Exercise, the Operations Floor will not be staffed, virtually or in-person.

The two Ohio EMA RRAs at the Columbiana County Emergency Management Agency/EOC will be in the RRA office on location before the exercise begins as it is near the end of normal work hours. The Utility EOF Liaisons assigned to the BVPS EOF will be prepositioned in the area and will arrive 10-20 minutes after they receive the emergency notification, in order to simulate travel time.

Players will be allowed to sign into the “DPS BVPS” Team’s channels after they have been notified of their position’s activation.

Capability
Target 1.2

Individuals in leadership roles provide direction and control to the portion of the overall response effort for which they are responsible. (2016 RPM: 1.c.1)

Locations	Assessment Room, BVPS EOF, BVPS JPIC, Columbiana County EOC, Dose Assessment Room, Executive Room
Extent of Play	<p>The Information and Planning Chief from the Assessment Room will provide periodic briefings to the Executive Room. As the Operations Floor will not be staffed, briefings will be simulated.</p> <p>The Executive Director of Ohio EMA, acting as the EOC Director, is the Governor's Designee and will coordinate decisions on behalf of the Governor's Office from the Executive Room.</p> <p>ODH is responsible for the developing State Protective Action Recommendations (PARs) in the Dose Assessment Room and will provide periodic briefings to the Executive Room. The Assessment Room and JIC will attend these briefings to provide necessary updates.</p> <p>The County EOC Liaisons (Ohio EMA) will provide guidance to the Columbiana County EOC Director and Commissioners.</p>
Capability Target 1.3	Appropriate PARs are selected based on available information and other factors. (2016 RPM: 2.b.1)
Locations	Dose Assessment Room, Executive Room
Extent of Play	The Dose Assessment Room will evaluate the information from BVPS then complete independent dose projections, as appropriate, based on that information and available field monitoring data. ODH will evaluate the resulting projections and forward PARs to the Executive Room. PARs approved by the Executives will then be relayed to the Columbiana County EOC through the Formal Line Communicator.
Capability Target 1.4	Appropriate PADs are based on available information for the plume phase. (2016 RPM: 2.b.2)
Locations	Dose Assessment Room, Executive Room

Extent of Play The EOC Director, as the Governor’s designee, will demonstrate the ability to approve, amend, or reject PARs based on technical information from the Dose Assessment Room. PARs may include the use of KI, in accordance with ODH KI policy, for the general public, institutionalized individuals, and emergency workers.

Coordination will take place in the Executive Room with Columbiana County, where the County officials are notified of the State PAR. Official notification of the PAR occurs through the Informal Line Communicator. The County is responsible for determining the PAD, taking into consideration local conditions.

Capability Target 1.5 Implement decisions for those populations and areas subject to plume phase protective actions.

Locations **Not Applicable:** This is a county function.

Capability Target 1.6 Appropriate PADs are based on available information for the post-plume phase.

Locations **Not Selected (N/S):** This capability target will be demonstrated at the 2026 Perry Nuclear Power Plant (PNPP) Ingestion Pathway Exercise (IPX)

Capability Target 1.7	Implement decisions for those populations and areas subject to post-plume phase protective actions.
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Locations	Not Selected (N/S): This capability target will be demonstrated at the 2026 Perry Nuclear Power Plant (PNPP) Ingestion Pathway Exercise (IPX)
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Objective 2: Exposure Control

Capability Target 2.1	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. (2016 RPM: 2.a.1)
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Locations	Dose Assessment Room, Executive Room
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Extent of Play	<p>The Dose Assessment Room will consider United States EPA Protective Action Guidelines (PAGs) and State Administrative Limits to develop Protective Action Recommendations (PARs), including the administration of KI, based on their technical evaluation of the available data. PARs will be briefed to the Executive Room. Once a PAR receives final Executive approval, it will be relayed to the Columbiana County EOC. The state and county will disseminate recommendations to emergency workers.</p>
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Field monitoring data will be provided to the FMT Communicator from a Controller acting as the FMT Coordinator. The data will be read from a Virtual Plumes software scenario provided by BVPS.

Any use of KI will be simulated.

Note: ESF-10 will not demonstrate the authorization process for radiation exposure in excess of administrative limits. The State of Ohio successfully demonstrated this portion of the criterion during the 2021 Davis-Besse Nuclear Power Station (DBNPS) PPX. The dose exceedance process will be demonstrated during the 2022 PNPP PPX.

Capability Target 2.2	Emergency workers manage radiological exposure and dose in accordance with plans/procedures.
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Locations	Not Selected (N/S): This capability target will be demonstrated at the 2022 Perry Nuclear Power Plant (PNPP) Plume Pathway Exercise.
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Objective 3: Alert and Notification

Capability Target 3.1	Communication processes, systems, and equipment are sufficient to support emergency operations. (2016 RPM: 1.d.1)
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Locations	Assessment Room, BVPS EOF, BPVS JPIC, Columbiana County EOC, Dose Assessment Room, Executive Room, State JIC
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Extent of Play	The primary means of communications for State response is commercial telephone. Cell phones, MS Teams, and MARCs radios are available for backup communications.
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Note: A MARCs radio test will not be performed in the Assessment Room for the exercise. The State of Ohio successfully demonstrated this criterion during the 2021 DBNPS Plume Phase Exercise. The next evaluation of the MARCs radio test will occur during the 2022 Perry Nuclear Power Plant (PNPP) PPX.

Capability Target 3.2	Alert and notification of the public is completed in a timely manner.
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Locations	Not Selected (N/S): This capability target will be demonstrated at the 2022 Perry Nuclear Power Plant (PNPP) Plume Pathway Exercise.
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Capability Target 3.3	OROs provide accurate subsequent emergency information and instructions to the public and the news media in a timely manner. (2016 RPM: 5.b.1)
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Locations	BVPS JPIC, Executive Room, State JIC
Extent of Play	<p>The staff at the State JIC will develop news releases, providing them to the State PIO at the BVPS JPIC, where they will be released to the news media and public.</p> <p>The State JIC will coordinate with the State PIO at the BVPS JPIC to provide accurate information clarifying trending rumors identified through Public Inquiry.</p> <p>Note: Public Inquiry will not be demonstrated during this exercise. It will be evaluated during the 2022 PNPP PPX.</p> <p>Note: Trends will be introduced into play by a Controller or pre-scheduled emails.</p> <p>Both the State JIC and the BVPS JPIC will be available for participation through a Teams channel.</p>

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

Capability Target 4.1	FMTs are managed to obtain information to help characterize the release, locate and track the airborne radiological plume, and control contamination.
Locations	Not Selected (N/S): This capability target will be demonstrated at the 2022 Perry Nuclear Power Plant (PNPP) Plume Pathway Exercise.
Capability Target 4.2	FMTs make, record, and report measurements of ambient radiation to appropriate authorities; radioiodine and particulate samples are collected.
Locations	Not Selected (N/S): This capability target will be demonstrated at the 2022 Perry Nuclear Power Plant (PNPP) Plume Pathway Exercise.
Capability Target 4.3	FMTs take measurements and samples to support assessment of the ingestion exposure pathway and to support reentry, relocation, and return decisions.

Locations	Not Selected (N/S): This capability target will be demonstrated at the 2026 Perry Nuclear Power Plant (PNPP) Ingestion Pathway Exercise.
Capability Target 4.4	The laboratory performs radiological analyses to support protective action decision-making.
Locations	Not Selected (N/S): This capability target will be demonstrated at the 2026 Perry Nuclear Power Plant (PNPP) Ingestion Pathway Exercise.
Capability Target 4.5	Dose assessment considers all available information including plant conditions, environmental conditions, field monitoring data, sample analysis results, and dose projection calculations. (2016 RPM: 2.b.1)
Locations	Dose Assessment Room, Executive Room
Extent of Play	The Dose Assessment Room will evaluate the information from BVPS then complete independent dose projections, as appropriate, based on that information and available field monitoring data. ODH will evaluate the resulting projections and forward PARs to the Executive Room. PARs approved by the Executives will then be relayed to the Columbiana County EOC through the Formal Line Communicator.
Capability Target 4.6	Post-plume phase assessment considers all available information, including environmental conditions, field monitoring data, sample analysis results, and dose projection calculations.
Locations	Not Selected (N/S): This capability target will be demonstrated at the 2026 Perry Nuclear Power Plant (PNPP) Ingestion Pathway Exercise.

Objective 5: Operate

.Capability Target 5.1	Facilities, equipment, and procedures are in place and utilized to provide monitoring, decontamination, identification, temporary shelter, congregate care, and registration of evacuees.
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Locations	Not Applicable: This is a county function.
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.Capability Target 5.2	Facilities, equipment, and procedures are in place and utilized to provide monitoring and decontamination of emergency workers and their equipment and vehicles.
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Locations	Not Applicable: This is a county function.
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.Capability Target 5.3	Transport contaminated, injured individuals to medical facilities with the capability to monitor and decontaminate.
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Locations	Not Applicable: This is a county function.
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.Capability Target 5.4	Appropriate traffic and access control is established; accurate instructions are provided to traffic and access control staff. (2016 RPM: 3.d.1)
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Locations	Assessment Room
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Extent of Play	<p>Although the Operations Floor will not be participating, missions will be created in WebEOC after certain ECLs are declared based on signed State Supplemental Action Forms (SSAF), both Default and Executive Approval versions.</p> <p>The Assessment Room is responsible for the ensuring the Default SSAF is signed at each ECL and forwarded to the proper people. From this form, missions will be created for the Public Utilities Commission of Ohio to notify railroads of the event and of any restrictions on rail traffic.</p> <p>The Executive Room is responsible for the Executive Approval SSAF. After discussions with the County, the Executives will sign and forward the SSAF in order for missions to be created for Ohio Department of</p>
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Natural Resources to restrict boating traffic on navigable waterways and to close State Parklands in the 10-mile Emergency Planning Zone (EPZ).

Note: The Watch Office will create the missions in WebEOC for the exercise.

Ohio State Highway Patrol's Lisbon Post would coordinate directly with County law enforcement to provide State resources for county Traffic and Access Control Point support. (See Columbiana County's extent of play agreement to view the extent of the Lisbon Post's participation.)

Pennsylvania Emergency Management Agency (PEMA) is responsible for notifying the Federal Aviation Administration (FAA) for the restriction of airspace around the plant.

Evaluation Locations (in alphabetical order)

BVPS EOF

Address	Beaver Valley Power Station EOF 135 Cessna Drive Beaver Falls, PA 15010
Status	In-Person
Contact	Ed Filppi
Phone	
Cell Phone	

BVPS JPIC

Address	Pittsburgh International Airport Industrial Park, Building 3 181 Spring Run Road Extension Allegheny County, PA
Status	Virtual
Contact	Amy Cosner
Cell Phone	To be announced

Columbiana County EOC

Address	215 South Market Street Lisbon, OH 44432
Status	In-Person
Contact	Pete Hill
Phone	
Cell Phone	

“DPS BVPS” Team

Address	MS Teams ‘DPS BVPS’
Status	Virtual
Contact	Cheryl Chubb
Phone	To be announced

State EOC

Including:

- Watch Office/
Assessment
Room
 - Dose
Assessment
Room
 - Executive
Room
 - State JIC
-

Address	2855 West Dublin-Granville Road Columbus, Ohio 43235
Status	Virtual
Contact	Chris Salz
Phone	
Cell Phone	



Nuclear Power Plant Exercise

Beaver Valley Power Station

Radiological Emergency Preparedness (REP) Program

Extent-of-Play Agreement for Columbiana County

June 7, 2022

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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 2022 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 start of the eight-year exercise cycle for Columbiana County.

In-Sequence activities will occur during the late afternoon and evening hours of June 7, 2022, 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 sufficient 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 Public Information Center (JPIC) 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	• Monday June 6, 2022 • 2:00 PM – 3:00 PM
• Initial Notification	• Sheriff's Office Dispatch Center	• Tuesday June 7, 2022 • 3:00 PM – 5:00 PM
• Columbiana County EOC Operations	• Columbiana County EMA	• Tuesday June 7, 2022 • 4:00 PM – 10:00 PM
• Communications Demonstration	• Columbiana County EMA	• Tuesday June 7, 2022 • 2:00 PM – 3:00 PM
• School / Transportation Interview	• East Liverpool School/ East Liverpool School Administration Office	• Tuesday June 7, 2022 • 10:00 AM – 12:00 AM
• Emergency Worker Monitoring/Decontamination Center (EWDC)	• West Point VFD and EMS, / Beaver Local Sports Complex	• Wednesday June 8, 2022 • 7:00 PM – 9:00 PM
• Reception Center	• Middleton Twp. Fire and EMS, American Red Cross, CC Health Department / Middleton Township Fire Department	• Monday June 6, 2022 • 7:00 PM – 9:00 PM
• Congregate Care Center	• American Red Cross/ Lisbon McKinley Elementary	• Wednesday June 8, 2022 • 5:00 PM – 7:00 PM
• Transportation and Treatment of Contaminated Injured Individuals	• New Waterford EMS and Salem Regional Medical Center	• Successfully Demonstrated • September 21, 2021
• Traffic/Access Control (TACP)	• Ohio State Highway Patrol/ OSP Patrol Post Lisbon, Ohio	• Tuesday June 7, 2022 • 9:00 AM – 11:00 AM

• **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 (2016 Criteria) 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 (1a1), 1.5 (3b1, 3c1, 3c2), 2.1 (2a1), 2.2 (3a1), 3.1 (1d1), 5.1 (6a1, 6c1), 5.2 (6b1), 5.4 (3d1)

2019 Capability Targets (2016 Criteria) 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 (1c1), 3.3 (5b1)

2019 Capability Targets (2016 Criteria) 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 (2b2, 2c1), 3.2 (5a1, 5a3, 5a4), 5.4 (3d2)

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 Mass Care	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 34
January 2022.
- DHS/FEMA REP Program Manual December 2019.
- NUREG 0654/FEMA REP 1 Rev. 2.
- Columbiana County Suggested Operational Guidance, Revision 34, January 2022.

- **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
- Columbiana County Sheriff's Office
- Ohio State Highway Patrol
- Columbiana County Health Department
- Middleton Township Fire Department
- East Liverpool School District
- West Point Fire Department
- Columbiana County and State of Ohio highway departments
- American Red Cross

Section 3: Objectives and Exceptions

Objective 1: Emergency Operations Management

Capability Target 1.1: Mobilization (1.a.1)- 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 outside the venue. 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.	All Venues	Exception: 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	No Exceptions
Identify and request additional resources, as needed.	All Venues	Exception: Agencies outside this EOP may be requested, but response will be simulated.
Determine a facility is operational.	All Venues	No Exceptions

Capability Target 1.2: Direction and Control (1.c.1) - 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.

Assessment	Venue	Extent of Play
Support protective action decision-making.	Columbiana County EOC	No Exceptions
Conduct briefings in a timely manner.	Columbiana County EOC	No Exceptions
Maintain Situational Awareness	All Venues	No Exceptions
Coordinate response activities with other organizations.	Columbiana County EOC	No Exceptions
Obtain resources to support emergency operations	All Venues	Exceptions: by discussion if not already available at venue.
Provide and maintain adequate facilities and equipment to support the emergency response.	All Venues	No Exceptions

Capability Target 1.3: Protective Action Recommendations (2.b.1)– Appropriate PARs are selected based on available information and other factors.

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

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

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

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

Capability Target 1.4: Protective Action Decisions for the Plume Phase –(2.b.2, 2.c.1)

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: Energy Harbor and the State of Ohio will make Protective Action Recommendations (PAR) to Columbiana County officials in the county EOC. The 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
Coordinate and make PADs for students at schools.	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 – (3.b.1, 3.c.1, 3.c.2) 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 – (2.d.1, 2.e.1) Appropriate PADs are based on available information for the post-plume phase.

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

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

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

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

Capability Target 1.7: Protective Action Decision Implementation for the Post-Plume Phase - (3.e.1, 3.e.2, 3.f.1) Implement decisions for those populations and areas subject to post-plume phase protective actions.

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

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

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

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

Objective 2: Exposure Control

Capability Target 2.1: Emergency Worker Exposure Control Decision-Making Process - (2.a.1) 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.*

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	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
Determine a correction factor for DRD-based isotopic release mixture	NA	State Function
Control exposure and dose for temporary reentry of emergency workers, or members of the public, to restricted areas.	Not Selected	Performed during county RRR.
Determine the need to authorize radioprotective drugs using	NA	State Function

Assessment	Venue	Extent of Play
projected thyroid doses and field measurements. Projections are compared to previously established PAGs.		
Adequately protect members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.	Not Selected	Performed during county RRR.

Capability Target 2.2: Emergency Worker Exposure Control Management (3.a.1) - 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.*

Assessment	Venue	Extent of Play
Maintain an appropriate inventory of DRDs that are leak-tested or current in calibration.	All Venues	No Exceptions
Maintain an appropriate inventory of PRDs.	All Venues	No Exceptions
Retain an adequate supply of radioprotective drugs.	All Venues	No Exception
Adequately distribute appropriate DRDs and PRDs.	All Venues	No Exception
Adequately distribute radioprotective drugs to emergency workers.	All Venues	No Exception

Assessment	Venue	Extent of Play
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.	All Venues	No Exception
Implement exposure control decisions to members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.	Not Selected	Performed during county RRR.

Objective 3: Alert and Notification

Capability Target 3.1: Communications (1.d.1) - 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.	All Venues	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 handled 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 (5.a.1, 5.a.3, 5.a.4) - 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.

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	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	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 9, 2021. FEMA was provided test results through the IPAWS lab. The process may be discussed during communications interview.
EMERGENCY ALERT SYSTEM: Identify the process to activate the EAS. -	Columbiana County EOC	No Exception

Assessment	Venue	Extent of Play
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:

(5.b.1) - 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.).*

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 JPIC.
PLUME PHASE: Respond to media and public inquiries.	Columbiana County EOC	No Exception

Assessment	Venue	Extent of Play
POST-PLUME PHASE: Rapidly disseminate of ingestion exposure pathway information to predetermined individuals and businesses.	Columbiana County EOC	Not Selected – this is demonstrated during county RRR.
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	Not Selected – this is demonstrated during county RRR.

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

(6.a.1, 6.c.1) - 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, availability of such items must be verified by providing the Evaluator 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	Reception Center	Demonstrated through plan review which shows calculations. FEMA will interview Radiological Officer for required thrupt calculations.

Assessment	Venue	Extent of Play
population, including transients, within a 12-hour period at each facility. The 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.		A total of six potentially contaminated individuals will pass through a portal monitor. In 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.
VEHICLES: Decontaminate evacuee vehicles based on trigger/action levels.	Reception Center	See Exercise Parameters.

Assessment	Venue	Extent of Play
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 (6.b.1) 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. 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 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 (6.d.1) -

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 for this exercise. Successfully completed October 7, 2021, with New Waterford EMS and Salem Regional Medical Center.

Capability Target 5.4: Traffic and Access Control (3.d.1, 3.d.2, new reentry) - 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.*

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 OSHP post	Exception: By interview with law enforcement officer in Columbiana County EOC. Exception: By interview with law enforcement officer at OSHP post.
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

Assessment	Venue	Extent of Play
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.	Not Selected	Accomplished during County RRR.
Authorize reentry of individuals into the restricted areas.	Not Selected	Accomplished during County RRR.
Establish exit procedures.	Not Selected	Accomplished during County RRR.

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

MONDAY JUNE 6, 2022

PRE-EXERCISE MEETING		
Address:	Columbiana County Emergency Management Agency	
	215 South Market St. Lisbon, OH 44432	
Contact:	Peter Hill	
Telephone:		
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower	
Date:	Monday, June 6, 2022	
Time:	2:00 p.m. – 3:00 p.m.	

RECEPTION CENTER		
Operated by Middleton Township Fire Department		
Address:	Middleton Township Fire Department	
	50683 Richardson Ave Negley, Ohio 44441	
Contact:	Kurt Todd, Chief	
Telephone:		
Action Location:	Same as above	
Date:	Monday June 6, 2022	
Time:	7:00 p.m. - 9:00 p.m.	

TUESDAY JUNE 7, 2022

TRAFFIC & ACCESS CONTROL – Ohio State Highway Patrol		
Address:	OHSP 9423 State Hwy 45. Lisbon, OH 44432	
Contact:	Lt. Brode	
Telephone:		
Action Location:	OSHP is located on SR 45 about 1 mile south of intersection of SR 45/US 30 and SR 154 in Lisbon, Ohio	
Date:	Tuesday June 7, 2022	
Time:	9:00a.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	Johnathan Ludwig, Superintendent. Tammie Reed, Director of Transportation	
Telephone		
Action Location	Same as above	
Date:	Tuesday June 7, 2022	
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:	Peggy Clark	
Telephone:		
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower	
Date:	Tuesday, June 7, 2022	
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:	Jennifer Tucker / Dispatcher on duty	
Telephone:		
Action Location:	County Sheriff’s Office Dispatch Center Same as above	
Date:	Tuesday, June 7, 2022	
Time:	3:00 p.m. – 5:00 p.m.	

TUESDAY JUNE 7, 2022

EMERGENCY OPERATIONS CENTER		
Address:	Columbiana County Emergency Management Agency 215 South Market St. Lisbon, OH 44432	
Contact:	Peggy Clark	
Telephone:		
Action Location:	EOC is located 1 ½ blocks south of County Court House Building has large antenna tower	
Date:	Tuesday, June 7, 2022	
Time:	4:00 p.m. – 10:00 p.m.	

WEDNESDAY JUNE 8, 2022

CONGREGATE CARE CENTER Operated by American Red Cross		
Address:	Lisbon – McKinley Elementary 441 East Chestnut Lisbon, Ohio 44432	
Contact:	American Red Cross - Kristen Gallagher	
Telephone:		
Action Location:	Same as above	
Date:	Wednesday June 8, 2022	
Time:	5:00 p.m. – 7:00 p.m.	

EMERGENCY WORKER MONITORING/DECONTAMINATION CENTER Operated by West Point Fire Department		
Address:	Beaver Local Sports Complex 13187 State Route 7 Lisbon, Oh 44432	
Contact:	Wayne Chamberlain (West Point Fire Chief)	
Telephone:		
Action Location:	Same as above Parking Lot / Sports Center	
Date:	Wednesday June 8, 2022	
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
JPIC	Joint Public Information Center
MTFD	Middleton Township Fire Department
ORO	Offsite Response Organization
OSHP	Ohio State Highway Patrol
PIO	Public Information Officer
R5	FEMA Region Five
RAC	Radiological Assistance Committee
RERP	Radiological Emergency Response Plan
SOG	Suggested Operational Guidance
TACP	Traffic/Access Control Point
WPFD	West Point Fire Department