



Nuclear Power Plant Exercise

Quad Cities Station

Radiological Emergency Preparedness Exercise

Radiological Emergency Preparedness Program

Draft After-Action Report/Improvement Plan

Exercise Date: July 12, 2022

Report Date: October 31, 2022

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Executive Summary

On July 12, 2022, the United States Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA) Region 5 Radiological Emergency Preparedness Program evaluation team evaluated a Partial-Participation, Plume Exposure Pathway Exercise in the 10-mile Emergency Planning Zone (EPZ) for the Quad Cities Station (QCS).

The QCS was located in Rock Island County, Illinois. The station is 20 miles northeast of the Quad Cities. It is on the eastern bank of the Mississippi River opposite the mouth of the Wapsipinicon River.

The purpose of the exercise was to assess the level of state and local preparedness in responding to an incident at QCS. This exercise was conducted in accordance with FEMA policies and guidance concerning the exercise of State and local radiological emergency response plans and procedures. The previous federally-evaluated exercise at this site was conducted on September 22, 2020. The qualifying emergency preparedness exercise was conducted on May 20, 1981.

Officials and representatives from the State of Illinois and the risk counties of Rock Island and Whiteside, and the Licensee participated in this exercise. State and local officials demonstrated knowledge of their emergency response plans and procedures and successfully implemented them. The DHS/FEMA evaluation team identified no Findings and no Plan Issues as a result of the 2022 QCS Exercise.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 325 individuals participated in the off-site portion of the exercise, including local volunteers. The professionalism and teamwork of the participants was evident throughout all phases of the exercise.

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Section 1: Exercise Overview

Exercise Name	2022 Quad Cities Station Radiological Emergency Preparedness Exercise	
Type of Exercise	Partial-Participation Plume Exercise	
Exercise Date	July 12, 2022	
Out-of-sequence Date(s)	June 13, 2022	
Program	Radiological Emergency Preparedness Program	
FINAL Scenario Submittal to FEMA	June 6, 2022	
FINAL Extent-of-Play Agreement Submittal to FEMA	May 13, 2022	
Mission Area	Response, Mitigation, Protection	
Exercise Objectives	Emergency Operations Management/Exposure Control/Alert and Notification/Detect, Measure, Analyze and Assess/Operate	
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	Illinois Emergency Management Agency Rock Island County Emergency Management Agency Whiteside County Emergency Management Agency Constellation (Quad Cities Station)	
FEMA Exercise Evaluation Leadership Team	Sean O'Leary, RAC Chair Stephen Tulley, Exercise Director Edward Golinski, Assistant Exercise Director David Persaud, Site Specialist	

Section 2: Exercise Design Summary

2.1 Exercise Purpose

FEMA administers the Radiological Emergency Preparedness Program pursuant to the regulations found in Title 44 CFR § parts 350, 351, 352, 353, and 354. The 16 planning standards that form the basis for radiological emergency response planning for the licensee, state, local, tribal, and territorial governments impacted by the emergency planning zones established for each nuclear power plant site in the United States. United States Nuclear Regulatory Commission regulations are codified in Title 44 CFR § 350, which also codify the 16 planning standards for the licensee. The Title 44 CFR § 350 text 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 July 12, 2022, plume exposure pathway exercise and out-of-sequence activities conducted July 13, 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 Illinois In-Sequence Activity

SITE: Quad Cities Station DATE: July 12, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Initial Warning Point	SEOC	REAC Dose Assessment	SEOC Joint Information Center	State Liaisons @ County EOC
Objective 1: Emergency Operations Management Capability Targets					
1.1: Mobilization	NS	NS	NS	NS	NA
1.2: Direction and Control	NA	NS	NS	NA	NS
1.3: Protective Action Recommendations	NA	NS	NS	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NS	NS	NA	NS
1.5: Protective Action Decision Implementation Plume Phase	NA	NS	NA	NA	NS
1.6: Protective Action Decisions Post-Plume Phase	NA	NS	NS	NA	NS
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NS	NA	NA	NS
Objective 2: Exposure Control Capability Targets					
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NS	NS	NA	NA
2.2: Emergency Worker Exposure Control Management	NA	NS	NS	NA	NA
Objective 3: Alert and Notification Capability Targets					
3.1: Communications	NS	NS	NS	NS	NA
3.2: Alert and Notification of the Public	NA	NS	NA	NS	NS
3.3: Emergency Information and Instructions Public and News Media	NA	NS	NA	NS	NS
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets					
4.1: Field Monitoring Teams Management	NA	NS	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NS	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NS	NA	NA	NA
4.4: Laboratory Operations	NA	NS	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NS	NS	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NS	NS	NA	NA
Objective 5: Operate Capability Targets					
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA	NA
5.4: Traffic and Access Control	NA	NA	NA	NA	NA

Table 3.1.2 Summary of Exercise Evaluation - State of Illinois Out-of-Sequence Activity

SITE: Quad Cities Station DATE: July 13, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	ISP HQ 1 DCO Briefing	ISP HQ 1 TACP	ISP HQ 7 DCO Briefing	ISP HQ 7 TACP
Objective 1: Emergency Operations Management Capability Targets				
1.1: Mobilization	NA	NA	NA	NA
1.2: Direction and Control	NA	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA	NA	NA
Objective 2: Exposure Control Capability Targets				
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	M	M	M	M
Objective 3: Alert and Notification Capability Targets				
3.1: Communications	NA	M	NA	M
3.2: Alert and Notification of the Public	NA	NA	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets				
4.1: Field Monitoring Teams Management	NA	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA	NA
Objective 5: Operate Capability Targets				
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA
5.4: Traffic and Access Control	M	M	M	M

Table 3.1.3 Summary of Exercise Evaluation – Rock Island County In-Sequence Activity

SITE: Quad Cities Station DATE: July 12, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Initial Warning Point	Rock island County EOC	EW DCO Briefing	TACP	EAS WVIK Radio	RRRR
Objective 1: Emergency Operations Management Capability Targets						
1.1: Mobilization	M	M	NA	NA	NA	NA
1.2: Direction and Control	NA	M	NA	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	M	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	M	NA	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA	NA	NA	NA	M
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA	NA	NA	NA	M
Objective 2: Exposure Control Capability Targets						
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	M	M	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	NA	NA	M	M	NA	NA
Objective 3: Alert and Notification Capability Targets						
3.1: Communications	M	M	NA	M	M	NA
3.2: Alert and Notification of the Public	NA	M	NA	NA	M	NA
3.3: Emergency Information and Instructions Public and News Media	NA	M	NA	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets						
4.1: Field Monitoring Teams Management	NA	NA	NA	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA	NA	NA	NA
Objective 5: Operate Capability Targets						
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA	NA	NA
5.4: Traffic and Access Control	NA	M	M	M	NA	NA

Table 3.1.4 Summary of Exercise Evaluation– Whiteside County In-Sequence Activity

SITE: Quad Cities Station DATE: July 12, 2022 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Initial Warning Point	Whiteside County EOC	EW DCO Briefing	TACP	EAS KCLN/MaC Radio	RRRR
Objective 1: Emergency Operations Management Capability Targets						
1.1: Mobilization	M	M	NA	NA	NA	NA
1.2: Direction and Control	NA	M	NA	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	M	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	M	NA	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA	NA	NA	NA	M
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA	NA	NA	NA	M
Objective 2: Exposure Control Capability Targets						
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	M	M	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	NA	NA	M	M	NA	NA
Objective 3: Alert and Notification Capability Targets						
3.1: Communications	M	M	NA	M	M	NA
3.2: Alert and Notification of the Public	NA	M	NA	NA	M	NA
3.3: Emergency Information and Instructions Public and News Media	NA	M	NA	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets						
4.1: Field Monitoring Teams Management	NA	NA	NA	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA	NA	NA	NA
Objective 5: Operate Capability Targets						
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	NA	NA	NA	NA	NA
5.2: Monitoring & Decontamination of Emergency Workers, Equipment, & Vehicles	NA	NA	NA	NA	NA	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA	NA	NA
5.4: Traffic and Access Control	NA	M	M	M	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 FEMA Region 5 Radiological Emergency Preparedness Program evaluations. Each jurisdiction's standalone capability summaries are provided below.

3.2.1 State of Illinois Out-of-Sequence

3.2.1.1 ISP HQ 1 DCO Briefing

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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 ISP HQ 1 TACP

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

UNCLASSIFIED

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

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 ISP HQ 7 DCO Briefing

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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 ISP HQ 7 TACP

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

UNCLASSIFIED

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

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 Rock Island County In-Sequence

3.2.2.1 Rock Island County Initial Warning Point

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.

Capability Target: 3.1 Communication

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

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 Rock Island County Emergency Operations Center

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; Planning

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

UNCLASSIFIED

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

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

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

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

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

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.

UNCLASSIFIED

Capability Target: 3.2 Alert and Notification to the Public

Core Capabilities: Public Information and Warning; Planning

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

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

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 Rock Island County Emergency Worker DCO Briefing

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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.

3.2.2.4 Rock Island County TACP

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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.

3.2.2.5 Rock Island County Emergency Alert System WVIK Radio

Capability Target: 3.2 Alert and Notification to the Public

Core Capabilities: Public Information and Warning; Planning

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.

3.2.2.6 Rock Island County RRRR

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

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

During the Quad Cities Station (QCS) Partial Participation, Plume Exposure Pathway, Radiological

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

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

Capability Target: 1.7 Protective Action Decision Implementation for the Post-Plume Phase
Core Capabilities: Operational Coordination; Public Information and Warning; Environmental Response/Health and Safety; Critical Transportation; Health and Social Services; Housing; Natural and Cultural Resources; Planning

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 Whiteside County In-Sequence

3.2.3.1 Whiteside County Initial Warning Point

Capability Target: 1.1 Mobilization
Core Capabilities: Operational Coordination; Planning

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

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 Whiteside County Emergency Operations Center

Capability Target: 1.1 Mobilization
Core Capabilities: Operational Coordination; Planning

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

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

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

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

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

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

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

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

. 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 Whiteside County Emergency Worker DCO Briefing

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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 Whiteside County TACP

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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 Whiteside County Emergency Alert System KCLN/MaC Radio

Capability Target: 3.2 Alert and Notification to the Public

Core Capabilities: Public Information and Warning; Planning

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 Whiteside County RRRR

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

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

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

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

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

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

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

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

The analysis of capabilities in Section 3 described the State of Illinois, Rock Island, and, Whiteside Counties Quad Cities Station 10-mile EPZ offsite response capabilities. Overall, the exercise was a success. The demonstration-based assessment activities evaluated by core capabilities, objectives, and capability targets were successfully demonstrated. All offsite response organizations demonstrated knowledge of their emergency response plans and procedures, and successfully demonstrated the ability to protect the health and safety of the public in the event of an incident involving the Quad Cities Station.

In addition, the State of Illinois and Quad Cities Station offsite response organizations completed this exercise during the ongoing Public Health Emergency related to the SARS-CoV-2/COVID-19 pandemic. The state and counties innovatively and successfully implemented and used technology to ensure sufficient support and response, while also protecting their workforces. The integration of in person demonstration and evaluation, tele- and videoconferencing not only allowed all players to participate and enhanced the operational communication capability within the state. The lessons learned and best practices gained through the implementation and use of new technology should be documented in emergency response plans and procedures.

Based on the results of this exercise and FEMA's review of the 2021 Annual Letter of Certification submitted by the State of Illinois, the offsite radiological emergency response plans and preparedness of the State of Illinois, Rock Island County, and Whiteside County can be implemented. They are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of an emergency at the site. The Title 44 CFR § Part 350 approval of the offsite radiological emergency response plans and preparedness site-specific to the Quad Cities Station granted on May 20, 1981, will remain 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 section summarizes the results from the of the evaluation of all jurisdictions and functional entities that participated in July 12, 2022, Quad Cities Station (QCS), 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 (EPZ) surrounding the QCS, recommended corrective actions, and, a schedule of corrective actions for the identified primary responsible agency.

The U. S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) evaluation team identified no Level 1 or Level 2 Findings and no Plan Issues for the State of Illinois, Rock Island County, or Whiteside County during the 2022 QCS exercise.

Appendix A: Exercise Timeline

Exercise Timeline Table

DATE AND SITE: July 12-13 2022 – Quad Cities Station REPEX

Emergency Classification Level or Event	Time Utility Declared						
		REAC	SEOC	Rock Island County	Whiteside County		
Unusual Event (end of verification call for ECLs)	0821			0827	0825		
Alert	0854			0858	0859		
Site Area Emergency	0956			1006	1007		
General Emergency	1126			1128	1134		
Release of Radioactive Material Started	0956			1022	1007		
Release of Radioactive Material Terminated	N/A			NA	NA		
Facility Declared Operational				0930	0934		
Declaration of State/Local Emergency				None	1219		
Exercise Termination				1241	1300		
Early Precautionary Action Decision: <The State issued an order to evacuate state parks and hunting areas.>				None	None		
Early Precautionary Action Decision: <The State (County) issued a Livestock Advisory: All livestock are to be sheltered and placed on stored feed and water within the 10-mile EPZ.>				None	None		
Early Precautionary Action Decision: <The state issued Air, water and rail traffic within 5/10 miles of Quad Cities Station restricted.>				None	None		
Early Precautionary Action Decision: <Evacuate Schools and/or Special Populations.>				None	None		
General Information Message: <Public advised of incident at Quad Cities Station>				None	1037		
Siren Activation:				N/A	N/A		
EAS Message:				N/A	N/A		
Protective Action Recommendation Shelter-in-Place of Sub-Areas:				1000	N/A		

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Protective Action Decision:			1048	N/A		
Siren Activation: ⁸			1050	N/A		
EAS Message: ⁹			1058	N/A		
Protective Action Recommendation ¹⁰ Evacuation of Sub-Areas:			1150	1203		
Protective Action Decision: ¹¹			1152	1212		
Siren Activation: ⁸			1209	1226		
EAS Message: ⁹			1212	1230		
KI Administration Emergency Workers and Immobile Populations Decision (SEOC/REAC)/Implementation (UAC/Counties)			N/A	N/A		

Appendix B: Participating Organizations

Federal Organizations

United States Department of Homeland Security/Federal Emergency Management Agency
United States Nuclear Regulatory Commission

State of Illinois

Illinois Emergency Management Agency
Illinois State Police
Illinois State Emergency Operations Center

Rock Island County Organizations

Rock Island County Board Chairperson
Rock Island County Emergency Management Agency Director
Rock Island County Geographic Information System Coordinator
Rock Island County Public Health Department
Rock Island County Public Information Officer
Rock Island County Public Works
Rock Island County Regional Superintendent of Schools
Rock Island County Sheriff's Department

Whiteside County Organizations

Whiteside County Board Commissioners
Whiteside County Emergency Services and Disaster Agency Director
Whiteside County Health Department
Whiteside County Highway Department
Whiteside County Public Information Officer
Whiteside County Regional Office of Education
Whiteside County Sheriff's Department

Private Organizations

American Red Cross
Constellation Energy Corporation
KCLN/MaC Radio Station
WVIK Radio Station

Appendix C: Evaluation Team

Exercise Management	Name	Agency/ Organization
Chair, Regional Assistance Committee	Sean O’Leary	DHS/FEMA
Exercise Director	Stephen Tulley	DHS/FEMA
Assistant Exercise Director	Edward Golinski	DHS/FEMA
Illinois QCS Site Specialist	David Persaud	DHS/FEMA
Team Leader – State of Illinois	Todd Gemskie	DHS/FEMA
Team Leader – Rock Island County	Curtis Williams	DHS/FEMA
Team Leader – Whiteside County	Angela Cloutier	DHS/FEMA
Contractor Evaluator Support – Regional Coordinator	John Wills	ICFI
Contractor Scenario Technical Reviewer	John Wills	ICFI

Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
State of Illinois		
Illinois – ISP HQ 1 – DCO Brief	Robert Princic	ICFI
Illinois – ISP HQ 1 – TACP	Todd Gemskie	DHS/FEMA
Illinois – ISP HQ 7 – DCO Brief	Robert Princic	ICFI
Illinois – ISP HQ 7 – TACP	Todd Gemskie	DHS/FEMA
Illinois State Liaisons at Rock Island County EOC	Curtis Williams	DHS/FEMA
Illinois State Liaisons at Whiteside County EOC	Angela Cloutier	DHS/FEMA
Rock Island County		
Rock Island County – EOC – Initial Notification Point	Jim Greer	ICFI
Rock Island County – EOC	Brett Beardsley	DHS/FEMA
Rock Island County – EOC	David Persaud	DHS/FEMA
Rock Island County – EOC	Todd Trygier	DHS/FEMA
Rock Island County – DCO Briefing	Jim Greer	ICFI
Rock Island County – TACP	Tom Hegele	ICFI
Rock Island County – Emergency Alert System WVIK Radio	Thomas Gahan	ICFI
Rock Island County – EOC– RRRR	Thomas Gahan	ICFI
Whiteside County		
Whiteside County – EOC – Initial Notification Point	Debra Schneck	DHS/FEMA
Whiteside County – EOC	Carol Shepard	ICFI
Whiteside County – EOC	Richard Smith	ICFI
Whiteside County – EOC	Steve Watts	ICFI
Whiteside County – DCO Briefing	Debra Schneck	DHS/FEMA
Whiteside County – TACP	Robert Princic	ICFI
Whiteside County – Emergency Alert System WVIK Radio	Peter Judge	ICFI
Whiteside County – EOC– RRRR	Peter Judge	ICFI

Appendix D: Acronyms and Abbreviations

ACRONYM	DESCRIPTION
AAR	After Action Report
ACD	Animal Control Division
AMT	Advanced Medical Transport
CFR	Code of Federal Regulations
cpm	counts per minute
CST	Central Standard Time
DCO	Dosimetry Control Officer
DLR	Dosimeter of Legal Record
DRD	Direct-Reading Dosimeter
EBS	Emergency Broadcast System
ECL	Emergency Classification Level
EMC	Emergency Management Coordinator
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPZ	Emergency Planning Zone
ESDA	Emergency Services and Disaster Agency
ESDAC	Emergency Services and Disaster Agency Coordinator
ESDAD	Emergency Services and Disaster Agency Director
EW	Emergency Worker
FEMA	Federal Emergency Management Agency
HAD	Health Department Administrator
HP	Health Physics
IEMA	Illinois Emergency Management Agency
IL	Illinois
IPAWS	Integrated Public Alert and Warning System
IPRA	Illinois Plan for Radiological Accidents
ISP	Illinois State Police
IWP	Initial Warning Point
JIC	Joint Information Center
KI	potassium iodide
NARS	Nuclear Accident Reporting System
ND	Not Demonstrated
NIMS	National Incident Management System
NOUE	Notice of Unusual Event
NRC	Nuclear Regulatory Commission
NS	Not Selected
ORO	Off-Site Response Organization
PAD	Protective Action Decision
PAG	Protective Action Guide

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ACRONYM	DESCRIPTION
PAR	Protective Action Recommendation
PDAFN	persons with and access/functional needs
PHA	Public Health Administrator
PIO	Public Information Officer
PPE	Personal Protective Equipment
QCS	Quad Cities Station
RAC	Regional Assistance Committee
RASCAL	Radiological Assessment System for Consequence Analysis
REA	Radiological Emergency Area
REAC	Radiological Emergency Assessment Center
REAC/TS	Radiation Emergency Assistance Center/Training Site
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Preparedness Plan
RIC	Rock Island County
RIHD	Rock Island Health Department
RISD	Rock Island County Sheriff's Department
RRG	Radiological Response Group
RRR	Return, Reentry, Relocation
RT	Radiation Technologist
SEOC	State of Illinois Emergency Operations Center
SIREN	State of Illinois Rapid Electronic Notification
TAC	Traffic and Access Control
TACP	Traffic and Access Control Post
TSC	Technical Support Center
UAC	Unified Area Command
URI	Unified RASCAL Interface
WCHD	Whiteside County Highway Department
WCSO	Whiteside County Sheriffs' Office

Appendix E: Onsite/Offsite Scenario Timeline

Quad Cities Station Evaluated Exercise

Onsite / Offsite Scenario Conditions

July 12, 2022

The Quad Cities Station is located in Rock Island County, Illinois. The Station is 20 miles northeast of the Quad Cities. It is on the eastern bank of the Mississippi River opposite the mouth of the Wapsipinicon River. (Latitude 41.7261° N, Longitude 90.3100° W). The facility consists of two GE Boiling Water Reactors, each rated at 2957 MWt. Both Units 1 and 2 have Mark I containment systems. Unit 1 went into operation on February 18, 1973 and Unit 2 on March 10, 1973.

The 10-mile EPZ encompasses the following Illinois jurisdictions: Rock Island County, which includes the municipalities of Cordova and Port Byron, and Whiteside County, which includes the municipality of Albany. The Iowa portion of the 10-mile EPZ includes Clinton and Scott Counties (within the jurisdiction of FEMA Region VII) and includes the municipalities of Le Claire, Princeton, McCausland, Camanche, and Clinton. The Illinois Sub-Areas are numbered IL1-IL6 and Iowa Sub-Areas IA1-IA12.

Scenario-Impacted Jurisdictions

State of Illinois		State of Iowa	
Rock Island	Whiteside	Clinton	Scott
IL-1	IL-2	IA 1, 3, 5	IA 2

- Map(s) of the plume and/or ingestion EPZ is included;



- **Expected offsite actions are consistent with the Extent-of-Play Agreements.**

Per the Illinois Plan for Radiological Incidents (IPRI) and the RTF-PAR-2 (KI PARs) procedure, at a projected thyroid dose of 5 rem Committed Dose Equivalent (CDE), the Radiological Emergency Assessment Center (REAC) in Springfield should recommend that all facilities within the 10-mile EPZ that are incapable of timely evacuation (e.g., hospitals and nursing homes) consider administering potassium iodide (KI) to all individuals in the facility. The REAC should also recommend at that time that emergency workers in the EPZ take KI, and that the members of the general public within the EPZ that have KI in their possession for such a contingency are advised to consider use of the drug through the Joint Information Center (JIC). Illinois does not issue KI for the public. The use of KI, however, is voluntary. Supplies for all emergency workers and special facilities are pre-distributed and maintained by the Illinois Emergency Management Agency (IEMA).

Licensee radioiodine release rates and the projected CDE thyroid dose do not warrant the administration of KI. It is expected that Illinois will not recommend the administration of KI for emergency workers, institutionalized persons, and the general public based on PAG guidance and State Plans.

Part 2 of the Scenario was developed by Illinois and pertains to Relocation, Reentry, Return, and Re-occupancy. A powerpoint presentation will be used to facilitate discussion between Whiteside and Rock Island Counties. This is a separate scenario with the wind from the North-Northwest.

- **Review of the proposed accident scenario to determine:**
 - **Type of threat (potential plant conditions-versus-simulated radiological release;**

Initial Plant Conditions:

Unit 1 at full power, online for 638 days.

Unit 1 equipment maintenance/conditions includes:

- Out-of-Service:
 - Station Blackout (SBO) Diesel Generator
 - 6B Control Rod Drive (CRD) Flow Control Valve

Unit 2 at 75% power, online for 105 days.

Unit 2 equipment maintenance/conditions includes:

- Out-of-Service
- Reserve Auxiliary Transformer (RAT). Unit 2 Aux Transformer is powering Unit 2

Scenario:

At 0800 Central Standard Time (CST), the Turbine Building Closed Cooling Water (TBCCW) 1A pump trips. The standby pump is started with no Emergency Classification Level (ECL) declared.

At **0815 CST**, a lightning strike causes the Unit 1 Reserve Auxiliary Transformer (Unit 1 RAT) to trip. The Unit 1 and Unit 2 Emergency Diesel Generators (EDGs) start. An **Unusual Event** ECL should be declared due to EAL MU1 (Loss of all power capability to unit Emergency Core Cooling System (ECCS) buses for >15 minutes).

At **0845 CST**, the Condenser Boot Seal will fail, causing vacuum to rapidly decrease. The Condenser leak will cause a Reactor SCRAM. Only half of the Control Rods will insert due to a half Core Hydraulic Anticipated Transient Without SCRAM (ATWS). An **Alert** ECL should be

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declared due to EAL MA3 Reactor SCRAM with ATWS. The ATWS will cause fuel damage. Dose rates in the Drywell and the plant will slowly increase.

The Main Steam Isolation Valves (MSIVs) will close. The Electromatic Relief Valves (ERVs) will lift to control pressure, dumping radioactive gases and radioiodines from the damaged fuel into the Torus. Torus and Drywell radiation levels rise.

At 0850 CST, one train of the Standby Liquid Control System (SBLC) will fail and at 0855 CST, the 6A Control Rod Drive (CRD) Flow control Valve will fail. The CRD flow will lower and the CRD Charging Pressure will rise due to a broken instrument airline. No change in ECLs is expected.

At 0945 CST, a Reactor Core Isolation Cooling (RCIC) steam line break occurs with a failure of the isolation valves to shut. Secondary Containment radiation levels increase. At **0950 CST**, radioactive gases fill the Reactor Building. A **radioactive release to the environment** occurs from the Reactor Cooling System to the Reactor Building to the Standby Gas Treatment System to the Chimney to the Environment. A **Site Area Emergency** ECL should be declared due to EAL FS1 Potential Loss of RCS and Loss of Containment.

At **1050 CST**, the Unit 1 EDG trips with loss of both ECCS buses. Conditions for a **concurrent Site Area Emergency** ECL exists with EAL MS1.

At **1115 CST**, the ECCS buses were determined to be not restorable within one hour. Conditions exist for declaration of **General Emergency** due to EAL MG1.

Licensee portion of Exercise termination is expected at 1200 CST.

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The RRRR powerpoint scenario includes maps of the area within the previously evacuated area that is candidate for Relocation, Reentry, Return, and Re-Occupancy. As required by the REPP Manual, areas not previously affected during the Early-Phase must be affected by Relocation. These areas include portions of IL-5 and 6.

Licensee EAL Summary

TIME	EAL	DESCRIPTION
0815	MU1	Unusual Event: Loss of all power capability to unit Emergency Core Cooling System (ECCS) buses for >15 minutes)
0845	MA3	Alert: Reactor SCRAM with ATWS
0945	FS1	Site Area Emergency: Potential Loss of RCS and Loss of Containment
1050	MS1	Concurrent Site Area Emergency: EDG Trips, Loss of ECCS Bus
1115	MG1	General Emergency: ECCS Buses not restorable within 1 hour
1200		Anticipated Termination of Licensee portion.

License Summary of PARs

Time	Event	Release	Affected Counties/Sub-Areas
0815	Unusual Event	None	None
0845	Alert	None	None
0950	Site Area Emergency	yes	None

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1050	Site Area Emergency	yes	None
1115	General Emergency	yes	Evacuate Sub-Areas IL-1, 2; IA-1, 2, 3, 5

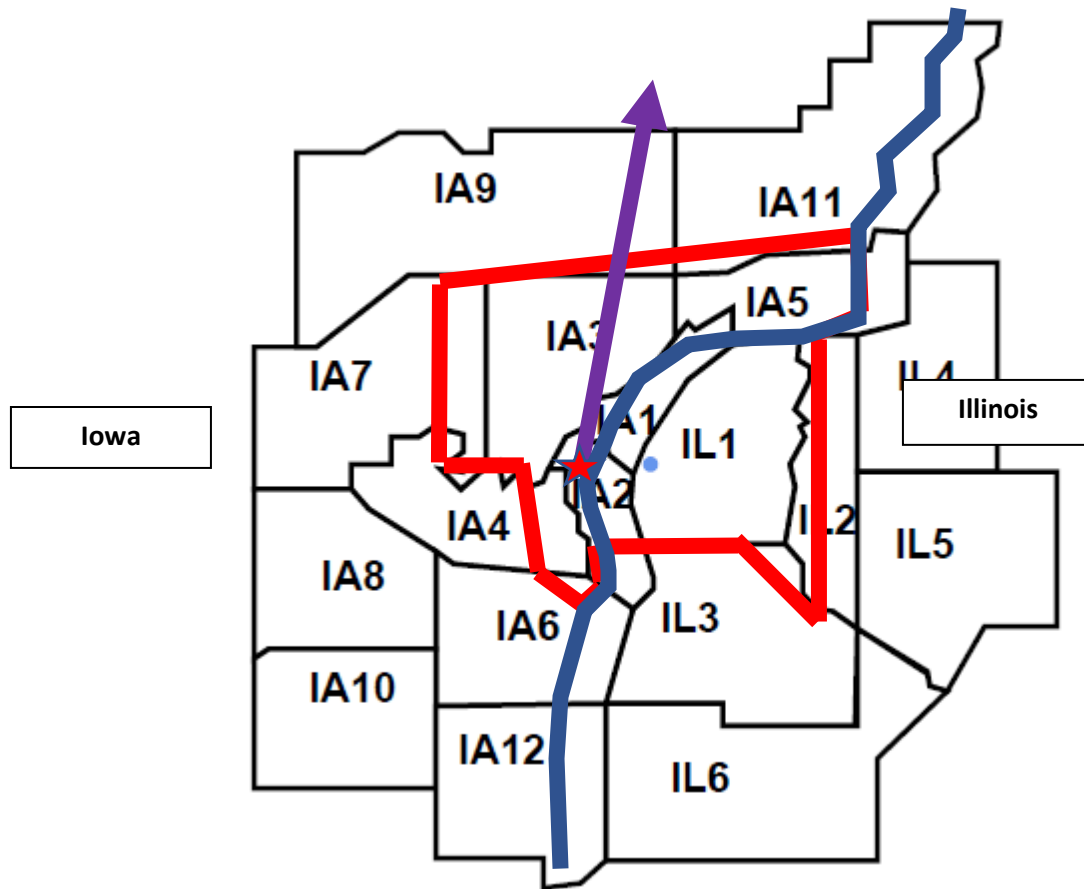
- **Radiological release characteristics (radionuclide mixture), if appropriate;**

Time	Noble Gases (Ci/sec)	Iodine (Ci/sec)	Particulates (Ci/sec)
0950	7.72E-2	5.74E-5	2.98E-6
1015	3.27E+0	2.37E-3	1.33E-4
1045	2.74E+1	1.92E-2	1.17E-3
1115	2.25E+1	1.53E-2	1.00E-3
1130	2.22E+1	1.49E-2	1.01E-3
1045 peak release rate			

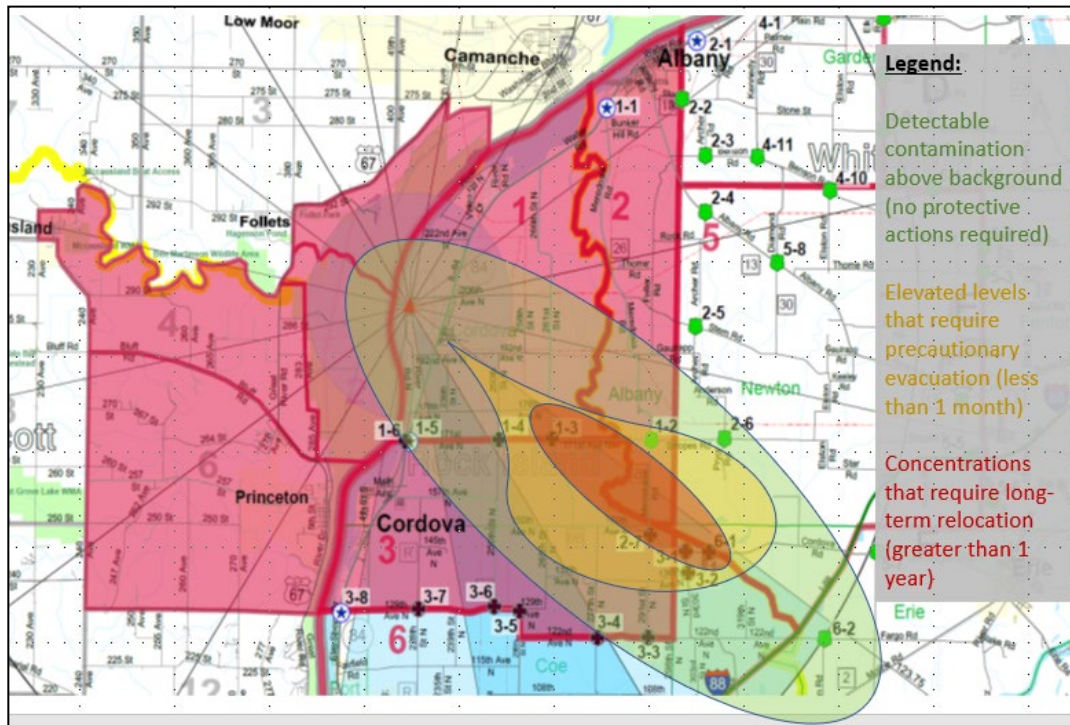
- **Degree of risk to the public (U.S. Environmental Protection Agency (EPA) Protective Action Guides (PAG) or state equivalent to be exceeded and to what degree);**

Expected Utility PAR at approximately 1115 CST **should be evacuate Illinois Sub-Areas 1, 2: Iowa Sub-Areas 1, 2, 3, and 5.**

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RRRR Separate Scenario areas candidate for Relocation not previously evacuated:



- **Revised Meteorological conditions (including wind and weather);**

Time	Wind speed (mph)	Stability class	Wind direction (from)
0700 - 1800	9	D	200

Initial meteorological conditions at the commencement of the exercise included winds from the South (200°) at about 9 mph, atmospheric stability class D, and no precipitation. The conditions remain the same throughout the exercise scenario.

- **Technical adequacy of the scenario's offsite data to support technical controller injects.**

Data is sufficient to provide adequate input for dose assessment and PAD development.

- **Review of the controller injects' content (technical) to determine:**
 - **Technical adequacy to drive the various components of offsite plume and ingestion exposure pathway exercise play (exposure rates, air concentrations, dosimeter readings, surface contamination levels, food and water contamination levels, data gradients, etc.).**

State Field Monitoring Teams will not be participating.

Perform the necessary calculations, modeling, or other evaluations to determine whether the potential plant conditions, simulated radiological release, or controller injects will result in a sufficient dose, exposure rate, or concentrations to drive the appropriate decisions and actions by offsite officials necessary to demonstrate the agreed upon Demonstration Criteria in the jurisdictions to be exercised. Verify the area affected by the plume or deposition footprint.

Revised scenario Licensee projections:

Licensee projection. 1.75 hr duration. 1-2% core damage. Values are in mrem.

time		Site boundary	2 mile	5 mile	10 mile
1045	TEDE	2.64E+1	6.92E+0	2.11E+0	1.90E+0
	CDE	5.66E+1	9.07E+0	2.00E+0	1.89E+0
No EPA PAGs are exceeded per Licensee dose projections.					

Scenario Reviewer projection. Values in mrem.

		Site boundary	2 mile	5 mile	10 mile
1045	TEDE		1.2E+1	2.0E+0	1.6E+0
	CDE		7.4E+0	<1	<1
No EPA PAGs are exceeded per Reviewer dose projections. (RASCAL 4.3.3) Comparisons are well within a factor of 10.					

Analyze the time sequences and intervals between planned exercise events. Ensure that adequate time has been allowed for the appropriate offsite response organizations to demonstrate the selected Demonstration Criteria (technically) sufficiently.

There is adequate time between the Emergency Classification Levels (ECLs) of Unusual Event (0815 CST), Alert (0845 CST), Site Area Emergency (0945 CST), and General Emergency (1115 CST) for ORO's to demonstrate their criteria. The Licensee portion of the exercise is expected to terminate at 1200 CST.

Appendix F: Extent-of-Play Agreements

Nuclear Power Plant Exercise



Quad Cities Generating Station

Radiological Emergency Preparedness (REP) Program

Extent-of-Play Agreement for State of Illinois

Exercise Date: July 12, 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 Quad Cities 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 Rock Island and Whiteside Counties.**

In-Sequence activities will occur during the morning and potentially early afternoon hours of July 12, 2022, from approximately 0800-1300 Central Daylight Time (CDT). Rock Island (RICO) and Whiteside Counties (WSCO) will fully participate in this exercise. The State of Illinois will not be evaluated for most functions but will participate in a manner sufficient to support the demonstrations described in this EOP.

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

- County Initial Warning Point (Sheriff's Office Dispatch Center in RICO & WSCO)
- Emergency Operations Center (County EOCs in RICO & WSCO)
- State OPS Center, SEOC (SIMCELL), SUAC (SIMCELL), JIC (SIMCELL) and REAC will not be evaluated but will support exercise play

Out of Sequence activities will be managed by the State 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	TBD / FEMA to provide	Monday July 11, 2022 2:00 PM – 3:00 PM
Initial Notification	Sheriff's Office Dispatch Center (RICO & WSCO) IEMA OPS Center	Tuesday July 12, 2022 8:00 AM – 11:00 AM
County EOC Operations	Rock Island County (RICO) EMA Whiteside County (WSCO) EMA	Tuesday July 12, 2022 8:00 AM – 1:00 PM
Communications Demonstration	Rock Island County (RICO) EMA Whiteside County (WSCO) EMA	Tuesday July 12, 2022 2:00 PM – 3:00 PM
School / Transportation Interview	n/a	n/a
Emergency Worker Monitoring/Decontamination Center (EWDC)	n/a	n/a
Reception Center	n/a	n/a
Congregate Care Center	n/a	n/a
Transportation and Treatment of Contaminated Injured Individuals	Morrison Medical Center, Morrison Unity Point-Trinity, Rock Island	April 20, 2022 September 27, 2022
Traffic/Access Control (TACP)	RICO Sheriff's Office (@RICO EOC) WSCO Sheriff's Office (@WSCO EOC) IL State Police District 7 (@ HQ) IL State Police District 1 (@ HQ)	Tuesday, July 12, 2022 9:00 AM – 11:00 AM Wednesday, July 13, 2022 9:00 AM – 10:00 AM (D7) 11:00 AM – 12:00 PM (D1)

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).

[Need to add/address: 1.e.1, 4.a.3, 4.b.1, 4.c.1, and 6.d.1]

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) **[Need to add/address: 2.a.1, 2.b.1, 2.b.2, 3.d.2]**

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.

Section 2: Extent-of-Play Agreement

Standards & References

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

- Illinois Plan for Radiological Accidents, Quad Cities Station Plan, revised July 2022.
- DHS/FEMA REP Program Manual December 2019.
- NUREG 0654/FEMA REP 1 Rev. 2., Core Plan, revised 2017.
- Illinois Plan for Radiological Accidents, Core Plan, revised December 2021
- IEMA DNS Standard Operating Procedures for Field Teams

Exercise Participants

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

- Rock Island County Emergency Management Agency
- Rock Island County Sheriff's Office
- Rock Island County Health Department
- Rock Island County Board
- Rock Island Highway Department
- Whiteside County Emergency Management Agency
- Whiteside County Sheriff's Office
- Whiteside County Health Department
- Whiteside County Board
- Whiteside County Highway Department
- Illinois Emergency Management Agency
- Illinois State Police, District 7 (E. Moline, IL), **District 1 (Sterling)**
- 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:** Rock Island County (RICO) intends to fully activate the County Emergency Operations Center (EOC) in Milan, IL. Whiteside County (RICO) intends to fully activate the County Emergency Operations Center (EOC) in Morrison, IL. The Counties will implement notification procedures as defined in Plans and SOGs. Players who do not normally work in those emergency*

facilities will be pre-staged outside the venue. ***County will make declaration of operational status when appropriate.***

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.	RICO & WSCO EOCs	Per Plans and Procedures Exception: <i>Players who do not normally work in those emergency facilities will be pre-staged outside the venue and will be activated using related county notification procedures.</i>
Receive and verify notifications.	RICO & WSCO EOCs	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 Rock Island County and Whiteside County EOCs.*

Assessment	Venue	Extent of Play
Support protective action decision-making.	RICO EOC	No exceptions
	WSCO EOC	No exceptions

Assessment	Venue	Extent of Play
	State Emer. OPS Center	State: will issue a PAR via NARS to support county exercise play
Conduct briefings in a timely manner.	RICO EOC WSCO EOC	No Exceptions
Maintain Situational Awareness	All Venues	No Exceptions
Coordinate response activities with other organizations.	RICO EOC WSCO EOC	No Exceptions
Obtain resources to support emergency operations	RICO EOC WSCO EOC	Exceptions: by discussion if not already available at venue.
Provide and maintain adequate facilities and equipment to support the emergency response.	RICO EOC WSCO EOC	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: The State of Illinois will make Protective Action Recommendations (PAR) to Rock Island and Whiteside County officials in the county EOCs. The RICO and WSCO officials will make the final Protective Action Decisions (PAD) regarding what protective actions will be recommended to the public of Rock Island and Whiteside counties.

Assessment	Venue	Extent of Play
Coordinate and make PADs for members of the general public.	RICO EOC WSCO EOC	No Exceptions
Coordinate and make PADs for those with access and functional needs.	RICO EOC WSCO EOC	No specific PADs for access and functional needs
Coordinate and make PADs for students at schools.	RICO EOC WSCO EOC	Coordinated with the Regional Office of Education (ROE) Liaison in both counties
Coordinate and make subsequent or alternate PADs.	RICO EOC WSCO EOC	Only as needed if not directly driven by Utility-driven scenario.
Coordinate and make decisions on the administration of KI (where applicable) for the public and institutionalized members of the population.	RICO EOC WSCO EOC	Exception: State Function for decision, County will coordinate, if applicable. IL Emergency Management Agency is responsible for the decision to ingest KI. State of IL doesn't recommend KI use for general public; counties responsible for coordination of institutionalized individuals in EPZ

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 protective measures are by Regional Office of Education, represented during the exercise in the RICO and WSCO EOCs, and communications with school districts will be simulated.

Assessment	Venue	Extent of Play
Implement PADs, ensuring communication and coordination with all appropriate jurisdictions.	RICO EOC WSCO EOC	See Exercise Parameters
Assist those with access and functional needs during the implementation of PADs.	RICO EOC WSCO EOC	See Exercise Parameters
Communicate, coordinate, and implement protective actions for schools.	RICO EOC WSCO EOC	See Exercise Parameters
Communicate with transportation officials.	RICO EOC WSCO EOC	See Exercise Parameters
Identify evacuation routes for the general public.	RICO EOC WSCO 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:** Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC.*

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: Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC.

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.	RICO & WSCO EOCs IL State Police, D7	Exception: offsite workers onsite – Utility function and will not be evaluated. Out of sequence, 7/13/22 10:00 am (tentative)
Maintain record of dose as a result of exposure.	RICO & WSCO EOCs IL St. Police D7 (OOS) IL St. Police D1 (OOS)	Exception; will be discussed with participants, but will only be simulated documenting on dosimetry record cards during TAC/DCO demonstrations
Authorize exposures and dose in excess of identified limits.	NA	
Process for considering occupational exposures and to	NA	State Function, not evaluated during this exercise

Assessment	Venue	Extent of Play
authorize individuals to receive doses in excess of occupational dose limits.		
Determine a correction factor for DRD-based isotopic release mixture	NA	State Function; not evaluated during this exercise
Control exposure and dose for temporary reentry of emergency workers, or members of the public, to restricted areas.	RICO and WSCO EOCs	Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC.
Determine the need to authorize radioprotective drugs using projected thyroid doses and field measurements. Projections are compared to previously established PAGs.	NA	State Function; not evaluated during this exercise
Adequately protect members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.	RICO and WSCO EOCs	Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC.

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 Rock Island and Whiteside County during Illinois Plan for Radiological Accidents (IPRA) and SOGs. In the event that the use of KI is recommended to emergency workers, players will simulate taking KI.

UNCLASSIFIED

Assessment	Venue	Extent of Play
Maintain an appropriate inventory of DRDs that are leak-tested or current in calibration.	RICO and WSCO EOCs IL State Police D7 (OOS) IL State Police D1 (OOS)	In-service dosimetry not calibrated in field; annual leak test records will be made available
Maintain an appropriate inventory of dosimetry.	RICO and WSCO EOCs IL State Police D7 (OOS) IL State Police D1 (OOS)	In-service dosimetry not calibrated in field; annual leak test records will be made available
Retain an adequate supply of radioprotective drugs.	RICO and WSCO EOCs IL State Police D7 (OOS) IL State Police D1 (OOS)	KI is supplied by state but issued to each participating entity. KI recordkeeping and reference materials will be made available at each participating location.
Adequately distribute appropriate DRDs and PRDs.	All Venues	No Exception
Adequately distribute radioprotective drugs to emergency workers.	All Venues	No Exception
Record and report exposures in the field.	RICO and WSCO EOCs ISP D7 HQ (OOS) ISP D1 HQ (OOS)	No Exception
Implement decisions to administer radioprotective drugs.	State, County EOCs	Exception: State Function for decision, County will coordinate for emergency workers.
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.	RICO and WSCO EOCs	Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC.

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 Rock Island and Whiteside County Initial Warning Point 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.).

Assessment	Venue	Extent of Play
Utilize communication systems that are fully functional, continuously available, and redundant.	All Venues	Exceptions; state facilities will participate to support exercise play but will not be evaluated
Access at least one communication system that is independent of the commercial telephone system.	RICO and WSCO EOCs	During Communications interview, or demonstrated during exercise play.
Manage the communication systems and ensure that all message traffic is handled without delays that might disrupt emergency operations.	RICO and WSCO EOCs	No Exceptions
Identify and address any failures of the systems.	RICO and WSCO EOCs	No Exceptions
Transmit, receive, and understand messages (i.e., “content check”).	RICO and WSCO EOCs and Initial Warning Points	During Communications interview, and/or demonstrated during exercise play.

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 is a coordinated function within the Counties of Rock Island and Whiteside. All EPZ counties have the ability to sound sirens at multiple locations. 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 Rock Island and Whiteside Counties. This function will also be demonstrated at participating radio stations (RICO: WVIK, WSCO: KCLN/KMCN), however every effort will be taken to minimize the time required for these non-governmental entities, and participation may be cancelled if real-world events require.

Assessment	Venue	Extent of Play
ALERT AND NOTIFICATION SYSTEM: Sequentially provide an alert signal followed by an initial instructional message to populated areas.	RICO and WSCO EOCs Initial Warning Points WVIK Radio (RICO) KCLN/KMCN Radio (WSCO)	Exception: Will be demonstrated during exercise play, or if play does not drive related activity, may be conducted via interview of participants. 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)	RICO and WSCO EOCs WVIK Radio (RICO) KCLN/KMCN Radio (WSCO)	Same as above.
ALERT AND NOTIFICATION SYSTEM: Identify and address any failures of the system(s) or portion of a system(s).	RICO and WSCO EOCs WVIK Radio (RICO) KCLN/KMCN Radio (WSCO)	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	
ALERT AND NOTIFICATION SYSTEM: Secondary method: Electronic Notification System (ENS)	RICO and WSCO EOCs	Exception: Utilization of IPAWS will be discussed and demonstrated (potentially Out of Sequence) during the exercise. The process may be discussed during communications interview.
PRIMARY ALERT NOTIFICATION SYSTEM: Identify the process to activate the EAS. -	RICO and WSCO EOCs	No Exception

Assessment	Venue	Extent of Play
PRIMARY ALERT NOTIFICATION SYSTEM: Ensure that updated emergency information is disseminated in a timely manner.	RICO and WSCO EOCs	No Exception
PRIMARY ALERT NOTIFICATION SYSTEM: Ensure that current emergency information is repeated at pre-established intervals.	RICO and WSCO EOCs	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.	RICO EOC	Exception: By interview with RICO Director or designee. <i>{RICO EMA Coordinator/designee will discuss the process of notifying the National Weather Service EAS through interview, and may be done out-of-sequence to the exercise scenario}</i>
EAS/NWS STATION: Broadcast the message on a 24-hour basis.	RICO EOC	Exception – By interview with RICO Director or designee.
ROUTE/ALTERNATE ALERTING	RICO and WSCO EOCs	Alternative notification via IPAWS interview/demo; counties do not perform route alerting.

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:** Rock Island (RICO) and Whiteside (WSCO) Counties will demonstrate this capability target by using pre-scripted messages as prescribed in plans and SOGs. Contact with media outlets will be demonstrated but 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.	RICO and WSCO EOCs	No Exception

Assessment	Venue	Extent of Play
PLUME PHASE: Provide clear, concise, accessible messaging using plain language.	RICO and WSCO EOCs	No Exception
PLUME PHASE: Messaging addresses appropriate cultural and linguistic considerations.	NA	Exception: Whiteside County and Rock Island County have less than 5% non-English speaking population, and as such are not required to have alternative messaging
PLUME PHASE: Ensure subsequent messaging is consistent with protective actions.	RICO and WSCO EOCs	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.).	RICO and WSCO EOCs	County PIO will provide updated information to the JIC (or JIC SIMCELL), and/or local media briefings.
PLUME PHASE: Respond to media and public inquiries.	RICO and WSCO EOCs	No Exception
POST-PLUME PHASE: Rapidly disseminate of ingestion exposure pathway information to predetermined individuals and businesses. (IPX)	NA	
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. (RRRR)	RICO and WSCO EOCs	Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC.

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. Rock Island and Whiteside Counties rely on dose projections and recommendations from State of Illinois 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:

- Reception/Congregate Care Centers for Quad Cities EPZ have been successfully demonstrated within the last 8 year cycle and are not currently scheduled for this exercise.

Assessment	Venue	Extent of Play
Set up operations:	NA	Will not be demonstrated during this exercise
Operationally check instruments and equipment.	NA	Will not be demonstrated during this exercise
MONITORING: Attain and sustain the overall monitoring productivity rate per hour needed to monitor 20 percent of the plume exposure pathway EPZ population, including transients, within a 12-hour period at each facility. The 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.	NA	Will not be demonstrated during this exercise
MONITORING: Monitor evacuees, service animals, pets, vehicles, and possessions.	NA	Will not be demonstrated during this exercise

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Assessment	Venue	Extent of Play
Utilize trigger/action levels for determining the need for decontamination.	NA	Will not be demonstrated during this exercise
DECONTAMINATION: Decontaminate evacuees, and personal belongings, while limiting the spread of contamination.	NA	Will not be demonstrated during this exercise
DECONTAMINATION: Follow-up with any evacuee(s) who cannot be appropriately decontaminated for assessment; ensure the capability to provide evacuee-referrals.	NA	Will not be demonstrated during this exercise
VEHICLES: Monitor and decontaminate vehicles.	NA	Will not be demonstrated during this exercise
VEHICLES: Provide adequate, separate space for both contaminated and non-contaminated vehicles.	NA	Will not be demonstrated during this exercise
VEHICLES: Monitor evacuees and their vehicles for contamination.	NA	Will not be demonstrated during this exercise
VEHICLES: Decontaminate evacuee vehicles based on trigger/action levels.	NA	Will not be demonstrated during this exercise
SHELTERING AND CONGREGATE CARE: Coordinate for incoming evacuees who have been monitored and, if necessary, decontaminated.	NA	Will not be demonstrated during this exercise
SHELTERING AND CONGREGATE CARE: Establish shelter operations.	NA	Will not be demonstrated during this exercise
SHELTERING AND CONGREGATE CARE: Congregate care centers and operations in host/support jurisdictions are sufficient to support the expected number of evacuees.	NA	Will not be demonstrated during this exercise
REGISTRATION: Register evacuees.	NA	Will not be demonstrated during this exercise
REGISTRATION: Ensure the registration area is clean and controlled.	NA	Will not be demonstrated during this exercise

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: Emergency Worker Monitoring and Decontamination is a State responsibility and will not be evaluated during this exercise. .

Assessment	Venue	Extent of Play
Set up operations:	NA	Will not be demonstrated during this exercise
Operationally check instruments and equipment.	NA	Will not be demonstrated during this exercise
Monitor emergency worker personnel and their equipment and vehicles for contamination.	NA	Will not be demonstrated during this exercise
Decontaminate emergency worker personnel and their equipment and vehicles based on trigger/action levels.	NA	Will not be demonstrated during this exercise
Control the spread of contamination.	NA	Will not be demonstrated during this exercise
Create and maintain a record of monitoring and decontaminating workers upon completion of monitoring and decontamination activities.	NA	Will not be demonstrated during this exercise
Process for prioritizing emergency workers and equipment before the public in facilities where the public and emergency workers are both processed for contamination.	NA	Will not be demonstrated during this exercise

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: This target will be addressed during an out of sequence evaluations at Morrison Medical Center on April 20, 2022 and Unity Point – Trinity in Rock Island on September 27, 2022.

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 Law Enforcement Officers in the Rock Island (RICO) and Whiteside (WSO) County EOCs, and an out of sequence TAC/DCO evaluation at IL State Police, District 7 headquarters. The TACP function will be demonstrated by an interview at RICO and WSO EOCs and ISP D7 HQ. 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.	RICO and WSO EOCs	Exception: By interview with law enforcement officers in RICO and WSO.
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.	RICO and WSO EOCs IL State Police Dist. 7	Exception: By interview with law enforcement officer in RICO and WSO EOCs. Out of sequence interview with: ISP D7 command staff on 7/13 at 9:00 am

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Assessment	Venue	Extent of Play
		ISP D1 command staff on 7/13 at 11:00 am
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.	RICO and WSCO EOCs	No Exception
Make the decision to re-route traffic and coordinate with key decision-makers and the JIC to ensure the alternate route information is appropriately communicated to evacuees.	RICO and WSCO EOCs	PIO will provide re-route instructions to the JIC or include in local media briefing, may be demonstrated or discussed depending on exercise play.
Establish procedures to control access to and monitor people and vehicles from the evacuated and restricted areas.	RICO and WSCO EOCs	The traffic control portion will be discussed during the TAC/DCO evaluation at each county EOC. Exception: monitoring individuals and vehicles is a State responsibility and will not be evaluated in this exercise.
Authorize reentry of individuals into the restricted areas.	RICO and WSCO EOCs	Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC. (RRRR)
Establish exit procedures.	RICO and WSCO EOCs	Will be conducted via interview in each EOC after completion of plume phase activities. Related maps and questions will be provided and facilitated by the state exercise controller at each county EOC. (RRRR)

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

MONDAY JUNE 6, 2022

PRE-EXERCISE MEETING		
Address:	TBD by FEMA	
	XXXX	
	XXXXX	
Contact:	XXXX	
Telephone:	XXX/XXX-XXXX	
Action	XXX	
Location:	XXXX	
Date:	Monday, July 11 th	
Time:	2:00 p.m. – 3:00 p.m.	

TUESDAY JUNE 7, 2022

INITIAL NOTIFICATION – COUNTY SHERIFF’S DISPATCH CENTER		
Address:	Rock Island County Sheriff’s Office Dispatch Center 1317 3rd Ave, Rock Island, IL 61201	
Contact:	Dispatcher on duty	
Telephone:	(309) 794-1230	
Action	County Sheriff’s Office Dispatch Center	
Location:	Same as above	
Date:	Tuesday, July 12th, 2022	
Time:	8:00 a.m. – 10:00 a.m.	
INITIAL NOTIFICATION – COUNTY SHERIFF’S DISPATCH CENTER		
Address:	Whiteside County Sheriff’s Office Dispatch Center 400 N. Cherry Morrison, IL	
Contact:	Dispatcher on duty (inside front door)	
Telephone:	(815) 772-4044	
Action	County Sheriff’s Office Dispatch Center	
Location:	Same as above	
Date:	Tuesday, July 12th, 2022	
Time:	8:00 a.m. – 10:00 a.m.	

TUESDAY JULY 12, 2022

EMERGENCY OPERATIONS CENTER – Rock Island County EMA		
Address	Rock Island County EMA 6120 78th Ave W, Milan, IL 61264	
Contact	Jerry Shirk , RICO EMA Coordinator	
Telephone	309/799-5166	
Action Location	Same as above	
Date:	Tuesday July 12th, 2022	
Time:	8:00 a.m. – 2:00 p.m.	

EMERGENCY OPERATIONS CENTER – Whiteside County Emergency Management		
Address:	Whiteside County Building (lower level) 200 E. Knox / 300 S. Cherry Street Morrison, IL	
Contact:	Tolly Knezevich (State Controller)	
Telephone:	217/685-0139	
Action Location:	EOC is located on lower level of courthouse/county complex Enter on North side of building, through security to 1 st floor (lower level).	
Date:	Tuesday, July 12th, 2022	
Time:	8:00 a.m. – 2:00 p.m.	

WEDNESDAY JULY 13, 2022

TRAFFIC & ACCESS CONTROL – Illinois State Police, District 7		
Address:	ISP D7 Headquarters 800 Hillcrest Rd, East Moline, IL 61244	
Contact:	Brad Clearwater (State Controller)	
Telephone:	217/685-0139	
Action Location:	ISP D7 HQ is located on the top off a large hill, adjacent to the East Moline Correctional Center.	
Date:	Tuesday July 13, 2022	
Time:	9:00a.m. – 10:00 a.m.	

TRAFFIC & ACCESS CONTROL – Illinois State Police, District 1		
Address:	ISP D1 Headquarters 3107 E Lincolnway, Sterling, IL 61081	
Contact:	Brad Clearwater (State Controller)	
Telephone:	217/685-0139	
Action Location:	ISP D1 HQ is located on the west side of Sterling on IL Route 2.	
Date:	Tuesday July 13, 2022	
Time:	10:00a.m. – 11:00 a.m.	

FRIDAY JULY 15, 2022

PARTICIPANT BRIEFING – Constellation Quad Cities Station, Training Building		
Address	22710 206 th Avenue North Cordova, IL	
Contact	Mike Muth	
Telephone	779-231-5277	
Action Location	Same as above	
Date:	Friday, July 15th, 2022	
Time:	11:00 a.m. – 11:45 a.m.	

PUBLIC/MEDIA BRIEFING – Constellation Quad Cities Station, Training Building		
Address:	22710 206 th Avenue North Cordova, IL	
Contact:	Mike Muth	
Telephone:	779-231-5277	
Action Location:	Same as above	
Date:	Friday, July 15th, 2022	
Time:	12:00 p.m. – 12:45 p.m.	

Section 5: Back-up Documentation

Illinois Plan for Radiological Accidents (IPRA), Suggested Operational Guidance and other supporting information to -be provided separately.

Section 6: Acronyms

Acronym	Term
ARC	American Red Cross
CDT	Central 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
IPRA	Illinois Plan for Radiological Accidents
ISP D7	Illinois State Police, District 7
IWP	Initial Warning Point
JIC	Joint Information Center
ORO	Offsite Response Organization
PIO	Public Information Officer
R5	FEMA Region Five
RAC	Radiological Assistance Committee
REAC	Radiological Emergency Assessment Center
RICO	Rock Island County
SOG	Suggested Operational Guidance
TACP	Traffic/Access Control Point
WSCO	Whiteside County

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