



FEMA

September 8, 2023

Kristi Rollwagen
Director, Division of Homeland Security and Emergency Management
445 Minnesota Street Suite 223
Saint Paul, Minnesota 55101

Dear Director Rollwagen,

Enclosed is a copy of the After-Action Report/Improvement Plan for the Monticello Nuclear Generating Plant Radiological Emergency Preparedness, Exposure Pathway Exercise conducted on June 27, 2023, and out-of-sequence activities.

The exercise resulted in no Level 1 Findings, no Level 2 Findings, and no Plan Issues for the State of Minnesota and no Findings and Plan Issues for the Risk Counties of Sherburne and Wright.

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

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

Sincerely,

**THOMAS C
SIVAK**

Digitally signed by
THOMAS C SIVAK
Date: 2023.09.08
16:33:02 -05'00'

Thomas C. Sivak
Regional Administrator

Attachment:
MNGP 2023 REPEX Final AAR-IP.pdf

Cc: DHS/FEMA Headquarters
NRC Region III
NRC Headquarters Document Control Desk



Monticello Nuclear Generating Plant
Radiological Emergency Preparedness Exercise
Radiological Emergency Preparedness Program
After-Action Report/Improvement Plan
Exercise Date: June 27, 2023
Report Date: September 8, 2023

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Executive Summary

On June 27, 2023, the offsite response organizations of the Monticello Nuclear Generating Plant 10-mile emergency planning zone participated in the Plume Exposure Pathway Exercise. The DHS/FEMA Region 5 Radiological Emergency Preparedness Program staff evaluated that exercise, which also included out of sequence activities conducted on June 20 and August 8, 2023. This report outlines the evaluation results from the exercise and out of sequence activities.

The purpose of the exercise was to assess the level of state and local preparedness in responding to an incident at the Monticello Nuclear Generating Plant. It was conducted in accordance with the DHS/FEMA policies and guidance concerning the exercise of state and local radiological emergency response procedures. The previous federally evaluated exercise for this site was conducted on August 10, 2021. The qualifying emergency preparedness exercise was conducted on January 7, 1981.

Officials and representatives from participating agencies and organizations demonstrated knowledge of their emergency response plans and procedures, and successfully implemented them during the exercise and out of sequence activities. All jurisdictions met the exercise objectives and successfully demonstrated the corresponding core capabilities identified in Section 2.2 (p.3) of this report.

The exercise resulted in no Level 1 Findings, no Level 2 Findings, and no Plan Issues for the State of Minnesota and no Findings and Plan Issues for the Risk Counties of Sherburne and Wright. The findings presented in this report are based on the evaluations of the Federal Evaluation Team, with final determinations made by the DHS/FEMA Region 5 RAC Chair and approved by the DHS/FEMA Headquarters.

It was apparent that a great deal of preparation and training was conducted by the offsite response organizations to successfully demonstrate the ability to protect the health and safety of the public. They provided the necessary support and resources to respond to an incident at the Monticello Nuclear Generating Plant.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 400 participants demonstrated reasonable assurance to protect public health and safety. The participants demonstrated professionalism and teamwork throughout all phases of the exercise.

Section 1: Exercise Overview

Exercise Name	2023 Monticello Nuclear Generating Plant Radiological Emergency Preparedness Exercise	
Type of Exercise	Partial-Participation Plume Exposure Pathway Exercise	
Exercise Date	June 27, 2023	
Out of Sequence Date(s)	June 20, 2023, and August 8, 2023	
Program	Radiological Emergency Preparedness Program	
FINAL Scenario Submittal to / Approval by FEMA	May 10, 2023 / May 24, 2023	
FINAL Extent-of-Play Agreement Submittal to / Approval by FEMA	May 10, 2023 / May 24, 2023	
Mission Area	Response, Protection, Preparedness	
Exercise Objectives	Emergency Operations Management, Exposure Control, Alert and Notification, Detect, Measure, Sample, Analyze, and Assess, Operate.	
Core Capabilities	Access Control/Identity Verification	Situational Assessment
	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
	Economic Recovery	Public Information & Warning
Participating Organizations	See Appendix B for the list of participating organizations	
Evaluated Facilities	See Appendix F for the extent of play agreements	
Exercise Planning Team	Minnesota Homeland Security and Emergency Management Sherburne County EMA Wright County EMA Xcel Energy, Inc. (Monticello Nuclear Generating Plant)	
FEMA Exercise Evaluation Leadership Team	Sean O'Leary, RAC Chair Edward Golinski, Exercise Director Stephen Tulley, Assistant Director Edward Diaz, Site Specialist	

Section 2: Exercise Design Summary

2.1 Exercise Purpose

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

The results of this exercise, together with reviews of the radiological emergency response plans and verification of the periodic requirements set forth in NUREG-0654/FEMA-REP-2, the annual letter of certification, and staff assistance visits, enabled DHS/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, to strengthen response against catastrophic incidents, the DHS/FEMA aligned 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.
- **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 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 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 using clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard and, as appropriate, the actions being taken, and the assistance being made available.
- **Situational Awareness:** Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response.

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

- **Objective 1:** Emergency Operations Management
- **Objective 2:** Exposure Control
- **Objective 3:** Alert and Notification
- **Objective 4:** Detect, Measure, Sample, Analyze, and Assess
- **Objective 5:** Operate

Section 3: Analysis of Capabilities

3.1 Exercise Evaluation and Results

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the June 27, 2023, plume exposure pathway exercise and out-of-sequence activities conducted the week of on June 20 and August 8, 2023.

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 using 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 Minnesota Out-of-Sequence Activity

SITE: Monticello Nuclear Generating Plant DATE: June 28-29, August 8, 2023 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	MS-1 Facility – St. Cloud Hospital	MS-1 Transportation – Mayo Clinic Ambulance Service	MS-1 Facility – M Fairview Northland Medical Center	MS-1 Transportation – North Memorial Ambulance	MS-1 Facility – North Memorial Health Hospital	MS-1 Transportation – North Memorial Ambulance
Objective 1: Emergency Operations Management Capability Targets						
1.1: Mobilization	NA	NA	NA	NA	NA	NA
1.2: Direction and Control	NA	NA	NA	NA	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	NA	NA	NA	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	NA	NA	NA	NA	NA
1.6: Protective Action Decisions Post-Plume Phase	NA	NA	NA	NA	NA	NA
1.7: Protective Action Decision Implementation for the Post-Plume Phase	NA	NA	NA	NA	NA	NA
Objective 2: Exposure Control Capability Targets						
2.1: Emergency Worker Exposure Control Decision-Making Process	NA	NA	NA	NA	NA	NA
2.2: Emergency Worker Exposure Control Management	M	M	M	M	M	M
Objective 3: Alert and Notification Capability Targets						
3.1: Communications	NA	NA	NA	NA	NA	NA
3.2: Alert and Notification of the Public	NA	NA	NA	NA	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	NA	NA	NA	NA	NA
Objective 4: Detect, Measure, Sample, Analyze, and Assess Capability Targets						
4.1: Field Monitoring Teams Management	NA	NA	NA	NA	NA	NA
4.2: Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.3: Post-Plume Phase Measurements and Sampling	NA	NA	NA	NA	NA	NA
4.4: Laboratory Operations	NA	NA	NA	NA	NA	NA
4.5: Plume Phase Analysis and Dose Assessment	NA	NA	NA	NA	NA	NA
4.6: Post-Plume Phase Sampling Plan Development and Analysis	NA	NA	NA	NA	NA	NA
Objective 5: Operate Capability Targets						
5.1: Monitoring, Decontamination, Sheltering, and Registration of Evacuees	NA	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	M	M	M	M	M	M
5.4: Traffic and Access Control	NA	NA	NA	NA	NA	NA

Table 3.1.2 Summary of Exercise Evaluation - Sherburne County Out-of-Sequence Activity

SITE: Monticello Nuclear Generating Plant DATE: June 20 and June 26, 2023 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	EWD MON/Decon DCO Briefing – Zimmerman-Livonia Fire	Emergency Vehicle Mon/Decon – Zimmerman-Livonia Fire	Emergency Workers Mon/Decon –	EV-2 - Red Wing School District Offices
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	M
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	NA	NA	NA
Objective 3: Alert and Notification Capability Targets				
3.1: Communications	M	NA	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	M	M	NA
5.3: Transportation and Treatment of Contaminated, Injured Individuals	NA	NA	NA	NA
5.4: Traffic and Access Control	NA	NA	NA	NA

Table 3.1.3 Summary of Exercise Evaluation - Wright County In-Sequence Activity

SITE: Monticello Nuclear Generating Plant DATE: June 27, 2023 M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue NA: Not Applicable NS: Not Selected	Initial Warning Point	Emergency Operations Center	Wright County PIO at Minnesota JIC	Wright County TACP Rad Briefing and Interview
Objective 1: Emergency Operations Management Capability Targets				
1.1: Mobilization	M	M	M	NA
1.2: Direction and Control	NA	M	NA	NA
1.3: Protective Action Recommendations	NA	NA	NA	NA
1.4: Protective Action Decisions Plume Phase	NA	M	NA	NA
1.5: Protective Action Decision Implementation Plume Phase	NA	M	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	M	NA	NA
2.2: Emergency Worker Exposure Control Management	NA	M	NA	M
Objective 3: Alert and Notification Capability Targets				
3.1: Communications	M	M	M	M
3.2: Alert and Notification of the Public	M	M	NA	NA
3.3: Emergency Information and Instructions Public and News Media	NA	M	M	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	NA	M	NA	M

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

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

3.2 Detailed Results of Exercise Evaluation

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

3.2.1 State of Minnesota Out-of-Sequence

3.2.1.1 St. Cloud Hospital

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 5.3 Transportation and Treatment of Contaminated, Injured Individuals

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

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

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

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

3.2.1.2 Mayo Clinic Ambulance Service

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

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

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

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

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

3.2.1.3 M Fairview Northland Medical Center

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

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

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

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

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

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

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

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

3.2.1.4 North Memorial Ambulance

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 5.3 Transportation and Treatment of Contaminated, Injured Individuals

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

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

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

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

3.2.1.5 North Memorial Health Hospital

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 5.3 Transportation and Treatment of Contaminated, Injured Individuals

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

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

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

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

3.2.1.6 North Memorial Ambulance

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 5.3 Transportation and Treatment of Contaminated, Injured Individuals

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

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

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

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

3.2.2 Sherburne County In-Sequence

3.2.2.1 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.

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

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

Capability Target: 3.1 Communication

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

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

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

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

3.2.3.2 Emergency Operations Center

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; Planning

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

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

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

Capability Target: 1.2 Direction and Control

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

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

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

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

Capability Target: 1.4 Proactive Action Decisions for the Public

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

Capability Target: 3.2 Alert and Notification to the Public

Core Capabilities: Public Information and Warning; Planning

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

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

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

Capability Target: 5.4 Traffic and Access Control

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

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

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

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

3.2.2.3 Sherburne County PIO at the State of Minnesota JIC

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; Planning

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

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

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

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

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

3.2.2.4 Sherburne County TACP Briefing and Interview

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

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

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

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

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

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

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

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

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

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

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

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

3.2.3 Sherburne County Out-of-Sequence

3.2.3.1 EV-2 Kaleidoscope Charter School

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

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

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

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

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

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

3.2.3.1 Emergency Worker Mon/Decon DCO Briefing

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

3.2.3.2 Emergency Worker Mon/Decon

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

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

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

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

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

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

3.2.3.3 Emergency Worker Mon/Decon Vehicle

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

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

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

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

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

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

3.2.4 Wright County In-Sequence

3.2.4.1 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.

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

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

Capability Target: 3.1 Communication

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

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

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

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

3.2.4.2 Emergency Operations Center

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; Planning

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

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

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

Capability Target: 1.2 Direction and Control

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

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

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

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

Capability Target: 1.4 Proactive Action Decisions for the Public

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

Capability Target: 3.2 Alert and Notification to the Public

Core Capabilities: Public Information and Warning; Planning

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

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

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

Capability Target: 5.4 Traffic and Access Control

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

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

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

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

3.2.4.3 Wright County PIO at the State of Minnesota JIC

Capability Target: 1.1 Mobilization

Core Capabilities: Operational Coordination; Planning

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

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

Core Capabilities: Public Information and Warning; Planning

All activities in the capacity target were carried out in accordance with the plans, procedures, and extent-of-play agreement.

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

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

3.2.4.4 Wright County TACP Briefing and Interview

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

Capability Target: 5.4 Traffic and Access Control

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

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

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

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

3.2.5 Wright County Out-of-Sequence

3.2.5.1 EV-2 Monticello School District Office

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

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

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

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

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

Capability Target: 2.2 Emergency Worker Exposure Control Management

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

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

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

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

Capability Target: 3.1 Communication

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

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

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

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

Section 4: Conclusion

The DHS/FEMA assesses offsite response organization preparedness on an ongoing basis in accordance with 44 C.F.R. § 350 planning standards, the DHS/FEMA REP Program Manual guidance, and the National Preparedness Goal, and associated core capabilities and capability targets. This report is used to document demonstration-based assessment activities pursuant to the core capabilities and capability targets selected for the Monticello Nuclear Generating Plant Partial Participation, Plume Exposure Pathway, Radiological Emergency Preparedness Exercise.

The exercise resulted in no Level 1 Findings, no Level 2 Findings, and no Plan Issues for the State of Minnesota and no Findings and Plan Issues for the Risk Counties of Sherburne and Wright.

Based on the results of this exercise, the planning and preparedness for the State of Minnesota and affected local jurisdictions provide reasonable assurance that appropriate measures can be taken to protect public health and safety. Therefore, Title 44 CFR Part 350, approval of the offsite radiological emergency response plans and preparedness for the State of Minnesota remains in effect.

Section 5: Improvement Plan

This appendix summarizes the results from the of the evaluation of all jurisdictions and functional entities that participated in the June 27, 2023, Monticello Nuclear Generating Plant (MNGP) Partial Participation, Plume Exposure Pathway, Radiological Emergency Preparedness Exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone surrounding the MNGP.

The exercise resulted in no Level 1 Findings, no Level 2 Findings, and no Plan Issues for the State of Minnesota and no Findings and Plan Issues for the Risk Counties of Sherburne and Wright.

Appendix A: Exercise Timeline

Date and Site: June 27, 2023 - Monticello Nuclear Generating Plant – All Times in Central Daylight Time.

Emergency Classification Level Event or Action	Time Utility Declared	Sherburne County	Wright County	SEOC JIC (County PIOs at the JIC)
Unusual Event: ¹	NA	NA	NA	NA
Alert:	0836	0849	0846	0849
Site Area Emergency:	0943	0956	0954	1012
General Emergency:	1116	1134	1127	1147
Radioactive Materials Release Started: ²	0943	0956	0954	1012
Facility Declared Operational: ⁴		0915	0903	0942
Declaration of State/Local Emergency: ⁵		1004	1005	1006
Exercise Terminated:		1254	1257	1253
Early Precautionary Action Recommendations: ⁶		1020	1021	1037
1. Relocate School Children:				
2. Restrict Boating Traffic:		1020	1021	1037
3. Restrict Air and Rail Traffic:		1020	1021	1037
4. Close Parks:		1020	1021	1037
5. Livestock Advisory		1020	1021	1037
1 st Siren Activation ⁸		1153	1153	1153
1 st EAS/EBS Message: ⁹		1156	1156	1156
1 st Protective Action Recommendation: State PAR[s] to County: Evacuate 360° 2 miles, Sectors G, H, J from 2 to 5 miles (Sub-Areas 2, 5S)		1134	1138	1147
1 st Protective Action Decision[s]: ¹¹ State PAD[s] to County: ☒ Evacuate Sub-Areas: Evacuate 360° 2 miles, Sectors G, H, J from 2 to 5 miles (Sub-Areas 2, 5S)		1138	1144	1150
KI Administration Recommendation: ¹¹				
Emergency Worker: ¹¹ Sub-Areas: 10-Mile EPZ		1003	1003	1012
Institutionalized Persons: ¹¹ Sub-Area[s]: 2, 5S		NA	1145	1150
General Public: ¹¹ Sub-Area[s]: 2, 5S		1138	1145	1150

Appendix B: Participating Organizations

Federal Organizations

Federal Emergency Management Agency (FEMA)

U.S. Nuclear Regulatory Commission (NRC)

State of Minnesota Organizations

Minnesota Homeland Security and Emergency Management (HSEM)

Minnesota Pollution Control Agency (MCPA)

Minnesota Emergency Medical Services Regulatory Board (EMSRB)

Minnesota Department of Natural Resources (DNR)

Minnesota Department of Agriculture (MDA)

Minnesota Board of Animal Health

Minnesota Department of Human Services (DHS)

Minnesota Department of Education (MDE)

Minnesota Metro Transit / North Star Rail

Minnesota Metro Transit / North Star Rail

Minnesota State Patrol (MSP)

Minnesota Department of Transportation (Minnesota DOT)

Minnesota Department of Military Affairs (Minnesota DMA)

Minnesota Bureau of Criminal Apprehension (BCA)

Minnesota Office of Pipeline Safety (Minnesota OPS)

Minnesota State Fire Marshal (SFA)

Minnesota Department of Corrections (DOC)

Wright County Organizations

Wright County Board of Commissioners

Wright County Emergency Management Agency (EMA)

Wright County Agriculture

Wright Communications Center (DCC)

Wright County GIS

Wright County Community Services Administration

Wright County Environmental

Wright County Information Technology (IT)

Wright County Public Health

Wright County Sheriff's Office (SO)

Wright County Transportation

Sherburne County Organizations

Sherburne County Board of Commissioners

Sherburne County Emergency Management Agency

Sherburne County Department of Health & Human Services (HHS)

Sherburne County Department of Transportation

Sherburne County GIS Unit

Sherburne County Law Enforcement

Sherburne County Public Works

Sherburne County Sheriff's Office

Private Sector Organizations

American Red Cross - Regional Office Twin Cities

Amateur Radio Emergency Services (ARES)

Wright County ARES

Sherburne County ARES

Minnesota Voluntary Organizations Active in Disasters

Park High School

Zimmerman-Livonia Fire Hall

St. Cloud Hospital

Mayo Clinic Ambulance Service

M Fairview Northland Medical Center

North Memorial Health Hospital

North Memorial Ambulance

Monticello School District Office

Kaleidoscope Charter School

Xcel Energy (MNGP Operator)

Appendix C: Evaluation Team

Exercise Management	Name	Agency/ Organization
Chair, Regional Assistance Committee	Sean O'Leary	DHS/FEMA
Exercise Director	Edward Golinski	DHS/FEMA
Assistant Exercise Director	Stephen Tulley	DHS/FEMA
Minnesota Site Specialist	Edward Diaz	DHS/FEMA
Team Leader – State of Minnesota	Edward Diaz	DHS/FEMA
Team Leader – Sherburne County	Curtis Williams	DHS/FEMA
Team Leader – Wright 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 Minnesota		
Minnesota – North Memorial Health Hospital	Edward Diaz	DHS/FEMA
Minnesota – North Memorial Ambulance	James King	DHS/FEMA
Minnesota – M Fairview Northland Medical Center	John Wills	ICFI
Minnesota – North Memorial Ambulance	Thomas Gahan	ICFI
Minnesota – St. Cloud Hospital	John Wills	ICFI
Minnesota – Mayo Clinic Ambulance Services	Thomas Gahan	ICFI
Sherburne County		
Sherburne County – EOC – Initial Warning Point	Meg Swearingen	ICFI
Sherburne County – EOC	Bruce Swiren	ICFI
Sherburne County – EOC	Bob Princic	ICFI
Sherburne County – EOC	Todd Tygier	DHS/FEMA
Sherburne County – TACP	Anthony Adduci	DHS/FEMA
Sherburne County – Sherburne PIO at the State JIC	Debra Schneck	DHS/FEMA
Sherburne County – EWD Mon/Decon DCO Rad Brief	Edward Diaz	DHS/FEMA
Sherburne County – EWD Mon/Decon Vehicle	Steven Watts	ICFI
Sherburne County – EWD Mon/Decon Worker	Thomas Gahan	ICFI
Sherburne County – EV-2 Kaleidoscope Charter School	Thomas Essig	ICFI
Wright County		
Wright County – EOC – Initial Warning Point	Rosemary Samsel	ICFI
Wright County – EOC	John Wicjorek	ICFI
Wright County – EOC	Kevin Reed	ICFI
Wright County – EOC	Marynette Herndon	ICFI
Wright County – TACP	Danielle Friday	DHS/FEMA
Wright County – Wright PIO at the State JIC	Peter Judge	ICFI
Wright County – EV-2 Monticello School District Office	Meg Swearingen	ICFI

Appendix D: Acronyms and Abbreviations

ACRONYM	DESCRIPTION
AAR/IP	After Action Report/Improvement Plan
BNSF	Burlington Northern Santa Fe
CDT	Central Daylight Time
CFR	Code of Federal Regulations
cpm	counts per minute
DAC	Dose Assessment Coordinator
DHS	Department of Homeland Security
DPS	Department of Public Safety
DRD	Direct-Reading Dosimeters
EAS	Emergency Alert System
ECL	Emergency Classification Level
ED	Emergency Department
EMA	Emergency Management Agency
EMD	Emergency Management Director
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPA PAGs	Environmental Protection Agency Protective Action Guides
EPZ	Emergency Planning Zone
ER	Emergency Room
ERDS	Emergency Response Data System
EW	Emergency Worker
FD	Fire Department
FEMA	Federal Emergency Management Agency
FMT	Field Monitoring Team
FRM	Field Response Manager
FOC	Forward Operations Center
GAR	Governor Authorized Representative
GE	General Emergency
HSEM	Homeland Security and Emergency Management
IC	Incident Commander
IPAWS	Integrated Public Alert and Warning System
IWP	Initial Warning Point
JIC	Joint Information Center
KI	potassium iodide
MDOT	Minnesota Department of Transportation
mg	Milligram(s)
MHz	Megahertz
μR	micro-Roentgen
mR	milliRoentgen(s)

UNCLASSIFIED

ACRONYM	DESCRIPTION
MS-1	Medical Services (Facility & Transportation Drills) – Reference to FEMA REP Guidance Memorandum GM MS-1, Medical Services, November 13, 1986.
NRC	Nuclear Regulatory Commission
ORO	Offsite Response Organization(s)
OSLD	Optically Stimulated Luminescence Dosimeter
PAC	Planning and Assessment Center
PAD	Protective Action Decision
PAR	Protective Action Recommendations
PPE	Personal Protective Equipment
PRD	Permanent-Record Dosimeter
MNGP	Monticello Nuclear Generating Plant
PIO	Public Information Officer
PPE	Personal Protective Equipment
PRD	Permanent Record Dosimeter
R	Roentgen
RAC	Regional Assistance Committee
RASCAL	Radiological Assessment System for Consequence Analysis
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RO	Radiological Officer
RRC	RadResponder Coordinator
SAE	Site Area Emergency
SEOC	State Emergency Operations Center
SIM	State Incident Manager
SOG	Standard Operating Guideline/Suggested Operational Guidance
TACP	Traffic Access Control Point
TED	Total Effective Dose
TEDE	Total Effective Dose Equivalent
TLD	Thermoluminescent Dosimeter
VoIP	Voice over Internet

Appendix E: Onsite/Offsite Scenario Timeline

The June 27, 2023, ERO NRC Graded Exercise will be credited, as follows, for possible Emergency Preparedness Key Performance Indicator (EP KPI) opportunities.

The approximate times of the condition being met:

Time Condition Met	Classification	EAL	PAR	Notification	Approx Notification Time *
~0825	Alert	HA5.1			≤0840
~0930	SAE	FS1.3L			≤0945
~1100	GE	FG1.2P	Evacuate all – out to 2 miles Evacuate GHJ from 2 to 5 miles 2,5S		≤1115
	3		1	4	
Totals					
Grand Total =	8				

* The notification time must be made 15 minutes from the time the EAL is declared.

Initial Conditions

- Reactor has been at continuous operation at 100% power (Mode 1) for 88 days.
- Xcel Energy Grid condition/CDF/LERF/Fuel Pool cooling and makeup are Green.
- HPCI is out of service. Aux oil pump motor overload. This occurred during the previous shift. Troubleshooting is in progress.
- #12 CRD pump is out of service due to a speed changer issue. Gear box has been removed and is being refurbished. Estimated repair complete on 6/30/23

Work Status

- Freeze seal application on Condensate Drip Tank is planned to start at 0800 on 6/27/23. This is a high risk activity.

ERO/Facility Status

- None

Current Weather Conditions:

- Wind Speed 16 Mph
- Wind Direction(from) 332°
- Temperature 70°F- slowly rising to 77°F
- Stability Class D

Weather Forecast

Weather conditions are stable, no precipitation in the forecast.

Onsite Timeline

#	Estimated Time	Event
1	0715	CONTROLLER NOTE: Drill window opens. Message: 1.1 SM Brief Message: 1.2 CR Drill Window Open Announcement
2	0715	CONTROLLER NOTE: Provide SEC with pre-job brief Message: 2.1 SEC Pre-Job Brief
3	0740	<u>Drill Starts</u>
4	0745	SCENARIO NOTE: High Grid load caused by two coal stations tripping offline. Message: 4.1 TSO Report: High Grid Load
5	0750	Emergency Classification: Unusual Event SCENARIO NOTE: 345 KV bus frequency starts dropping and remains between 58.5 and 60 as a result of high grid load and two coal stations tripping offline. Manual SCRAM fails; however ARI is successful. EAL: SU5 UE SU5.1
6	0755	CONTROLLER NOTE: Expect crew to call TSO for status update. Message: 6.1 TSO Report: Grid Condition Yellow
7	0800	CONTROLLER NOTE: Establish Mock ENS/HPN/MCPL lines Message: 7.1 ENS/HPN/MCPL Control Cell Message: 7.2 ENS/HPN/MCPL Instructions
8	0805	SM should declare an NUE based on EAL SU5.1 (no release in progress). Objectives(s): 4.01 Message: 8.1 Missed Declaration (NUE)
9	0820	Offsite Notifications by the SECs should be complete

10	0825	<p>Emergency Classification: Alert</p> <p>SCENARIO NOTE: During application of a freeze seal on the condensate drip tank in the MVP room; an accident occurs and Nitrogen begins to leak from the relief valve on the nitrogen tank.</p> <p>Operator reports the incident with atmospheric monitors alarming 02 at 18%</p> <p>EAL: HA5 Alert HA5.1</p> <p>Objectives(s): 9.01</p> <p>Message: 10.1 Operator Report of Incident</p>
11	0840	<p>SM/ED should declare an Alert per EAL HA5.1 (no release in progress)</p> <p>Objectives(s): 4.01</p> <p>Message: 11.1 Missed Alert Declaration</p>
12	0845	<p>CONTROLLER NOTE: ERO should be activated.</p> <p>CRITICAL ACTION: Observe to ensure proper code is entered to prevent unintentional real world activation of the ERO. IF the wrong code is entered, notify chief controller immediately and have the SECs standby and take no further action.</p> <p>Objectives(s): 5.02</p>
13	0855	<p>Offsite Notifications should be complete</p>
14	0900	<p>CONTROLLER NOTE: Provide instructions to ERO for Drill PPCS access. This can be pre-staged throughout the facility or as requested/needed.</p> <p>Message: 14.1 Drill PPCS Handout</p>
15	0930	<p>Emergency Classification: Site Area Emergency</p> <p>SCENARIO NOTE: LOCA in the drywell (feedwater line break. Incorrect seal material on feedwater check valve.). This drives drywell pressure to ~12 lbs. Drywell ventilation 18" vent damper failure above reactor water cleanup causes drywell to be vented to reactor building. This causes a rapid drop in pressure. (Loss in Containment Barrier-Primary Containment Conditions, Loss in RCS Barrier, primary containment Pressure A)</p> <p>(this begins the release in progress)</p> <p>FPB EAL: FS1 SAE FS1.3L</p> <p>Objectives(s): 9.01</p>
16	0935	<p>CONTROLLER NOTE: Expect RP to be sent to conduct survey of reactor building. Utilize SECTION IVH for results.</p>
17	0935	<p>SCENARIO NOTE: 11 and 12 bus trip as a result of the continued high grid load. This will cause a loss of Feed and Condensate.</p>
18	0935	<p>SCENARIO NOTE: Drywell spray and torus spray do not work if attempted. Torus cooling-only div 1 works.</p>
19	0940	<p>TSC and OSC staffing should be complete within 60 minutes of activation</p>

20	0945	ED should declare a SAE per EAL FS1 (release in progress) Objectives(s): 4.01 Message: 20.1 Missed Declaration (SAE)
21	0946	Accountability and "Plant" evacuation of the Protected Area should be conducted immediately following SAE declaration Objectives(s): 10.01, 10.02, 10.04 Message: 21.1 Evacuation Siren and Page
22	0950	SCENARIO NOTE: Expect water level to steadily rise and return to normal until the leak degrades.
23	1000	Offsite Notifications should be complete. Objectives(s): 5.01, 5.03
24	1000	CONTROLLER NOTE: LPCI auto opens @420 PSI. A fault in the bus causes it not to open. This will not be restorable. Message: 24.1 LPCI Walkdown
25	1000	CONTROLLER NOTE: Contingency for objective 11.04. IF, contamination surveys, radiological surveys and airborne samples are not taken in the plant; THEN, the OSC controller will request for them to be conducted. Results are to be provided per Section IVG Onsite radiation exposure data. Objectives(s): 11.04
26	1010	EOF Staffing should be complete within 90 minutes of activation
27	1015	CONTROLLER NOTE: Expect various mitigating actions and walkdowns such as: -11 Core Spray -MO Valves -ASDS panel -CRD -A Core Spray -RHR-SW-14 Objectives(s): 9.06, 9.07 Message: 27.1 Open 11 Core Spray Message: 27.2 Open MO valves Message: 27.3 Walkdown As Seen Message: 27.4 Open/Close CRD Message: 27.5 A Core Spray-C.5-3203 Message: 27.6 RHR-SW-14 Walkdown
28	1035	CONTROLLER NOTE: Expect a FLEX site assessment to be completed (C.5-4101). Everything is available and usable. (simulate any actual use of FLEX equipment).
29	1055	SCENARIO NOTE: Feedwater line break in drywell degrades. This will start water level lowering to below - 126" in ~5 minutes.
30	1100	Accountability should be complete

31	1100	Emergency Classification: General Emergency SCENARIO NOTE: Feedwater line break in drywell causes water level to drop below -126". (Potential Loss in Fuel Cladding barrier) FPB EAL: FG1 GE FG1.2P
32	1115	ED should declare a General Emergency per FG1 (release in progress) Objectives(s): 4.01 Message: 32.1 Missed Declaration (GE)
33	1120	Evacuation of the "site" OCA should be conducted immediately following the GE declaration Message: 33.1 Evacuation Siren and Page
34	1120	CONTROLLER NOTE: Expect Core Damage Assessment using CORDam after drop in water level. If a coolant sample is requested to run Core Damage Assessment, the data from section IVF can be provided immediately due to time constraints of the exercise. Objectives(s): 9.05
35	1120	CONTROLLER NOTE: Expect SAMG entry Objectives(s): 9.08
36	1130	EM Should approve PAR Objectives(s): 8.06, 10.07
37	1130	Offsite Notifications for GE and PAR should be completed Objectives(s): 5.01, 5.03, 8.06
38	1200	Drill is Terminated Message: 38.1 Drill Termination - Facility Message: 38.2 Drill Termination - Site

Exercise Scenario

Offsite Timeline

1) INITIAL CONDITIONS

Plant Status

- Reactor has been at continuous operation at 100% power (Mode 1) for 88 days.
- Xcel Energy Grid condition/CDF/LERF/Fuel Pool cooling and makeup are Green.
- HPCI is out of service. Aux oil pump motor overload. This occurred during the previous shift. Troubleshooting is in progress.
- #12 CRD pump is out of service due to a speed changer issue. Gear box has been removed and is being refurbished. Estimated repair complete on 6/30/23

MET Conditions

Weather conditions are stable, with not impending precipitation

2) DRILL TIMELINE

NOTE: All times are approximate and not an exact representation of event times.

0840	CONTROLLER NOTE	MNGP should declare an Alert based on EAL HA5.1(No Release in Progress)	
0855	CONTROLLER NOTE	Offsite Notifications for ALERT should be complete	
	Time of Notification	<input type="text"/>	
0855	Actions at Alert	Note: <ol style="list-style-type: none"> 1. The BCA Duty Officer is participating in this exercise, but will not be evaluated. Exercise participants, observers and controllers will join the Zoom meeting at approximately 0900. The lead SEOC Controller will give a briefing to describe what has happened and players will be released to their breakout rooms to begin exercise play. 2. EOC activation (State of Minnesota, Wright and Sherburne Counties) occurs. <ul style="list-style-type: none"> - Communication links established through Zoom and maintained throughout the exercise - Assembled EOC personnel briefed, with additional briefings held periodically throughout the exercise 3. Radiological Accident Deployment (RAD) teams are participating but will not be evaluated 	

		<p>(CONTROLLER MESSAGE 1 – Field Teams)</p> <ol style="list-style-type: none"> Department of Natural Resources and Department of Agriculture Department Operations Centers (DOCs) are activated (simulated). Local and state first responders are put on standby. Joint Information Center (JIC) is activated. <ul style="list-style-type: none"> Partial virtual JIC will be established Public Information Officers (PIOs) notified Initial JIC Management Team meeting Initial news briefing conducted by HSEM Director Preparation and issue of Public Information Bulletins and news releases will continue until the termination of the exercise. Planning Chief requests additional radiological assets from the 55thCST and DOE radiological assets are requested through FRMAC. (Simulated). The Planning and Assessment Center initiates dose assessment <p>(CONTROLLER MESSAGE 2 – Field Team Data)</p> <p>(CONTROLLER MESSAGE 3- Weather)</p>	
0855	Controller Inject 4	Rumor into the JIC – Residents calling in about drinking water contamination	
0855	Controller Inject 5, 6, 7	Traffic Reroute to MNDOT, State Patrol & Counties	
0945	SCENARIO NOTE	MNGP Should Classify and Declare an SAE based on EAL FS1.3L (This begins the release in process)	
1000	CONTROLLER NOTE	Offsite Notifications for the SAE should be completed	
	Time of Notification	<div></div>	
1000	Offsite Actions for SAE	<ol style="list-style-type: none"> EOCs are notified of the classification upgrade. <ul style="list-style-type: none"> State EOC, JIC Wright and Sherburne County EOCs RAD Teams Maple Grove & Plymouth (DNR and Agriculture are simulated) and will not be evaluated Decontamination Centers (simulated/out of sequence activity) Schools are evacuated to sister schools (simulated). MDA and DNR field sampling teams put on standby (simulated). Governor advised of incident status. "State of Emergency" recommended by State Incident Manager. "State of Emergency" declared by Governor. <p>Livestock in the 10 mile EPZ placed on covered water and stored feed.</p>	

1000	Controller Inject 8	Schools have been evacuated to sister schools	
1010	Controller Inject 9	Rumor into the JIC – Evacuation to sister school confusion	
1100	Controller Note	Onsite; Return to work	
1115	Controller Note	declares General Emergency FG1	
1130	Notification of General Emergency		
1130	Offsite Actions for GE	<ol style="list-style-type: none"> EOC and field staff are notified of the classification upgrade. <ul style="list-style-type: none"> State EOC, JIC (not evaluated) Wright and Sherburne County EOCs RAD Teams (not evaluated) Decontamination Centers Minnesota's default protective action recommendation (PAR) is to evacuate the 2-mile sub-area and the 5-mile sub-area(s) in the downwind sector of G, H, J. Sub Areas 2, 5S and will be recommended by the Planning Chief to the State Incident Manager. When PADs are approved, the Public Alert and Notification System will be implemented. The EAS system will be activated and sirens sounded (simulated – This will be demonstrated Out Of Sequence). As PADs are recommended, necessary traffic control points are activated for evacuee traffic flow and to restrict incoming traffic (simulated). “RAD teams” are “in the field monitoring radiation levels” and reporting to planning and assessment staff in State EOC. All emergency response organizations are fully activated. Radiological response support requested from FEMA 	
1150	Controller Inject 10	Rumor into the JIC – Local hospitals overwhelmed with residents there to decontaminate	
1200	Scenario Note	Xcel Exercise Termination	
1300	Scenario Note	State Exercise Termination	

Appendix F: Extent-of-Play Agreements

MINNESOTA EXTENT OF PLAY AGREEMENT

2023 Monticello Nuclear Generating Plant
Plume Pathway Exercise
June 27, 2023



Nuclear Power Plant Exercise

Monticello Nuclear Generating Plant
Radiological Emergency Preparedness (REP) Program
Extent-of-Play Agreement for Wright County and Sherburne County

June 27, 2023

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Section 1: Exercise Overview

Overarching Purpose

The purpose of this extent of play agreement (EOP) identifies the conditions that will be used to conduct, control and evaluate the 2023 Monticello Nuclear Generating Plant 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 Wright County and Sherburne County.

In-Sequence activities will occur on June 27, 2023. Wright County and Sherburne County will fully participate in this exercise, sufficient to support the demonstrations described in this EOP. The State of Minnesota will be participating to support Wright County and Sherburne County response operations.

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

- County Initial Warning Point (Sheriff's Office Dispatch Center)
- Emergency Operations Center (EOC) (State, Wright, Sherburne)
- Joint Information Center (JIC) State PIO will represent the county
- Monticello Nuclear Generating Plant

Out of Sequence activities will occur at the field locations and will be managed 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
Emergency Worker Monitoring/Decontamination Center	Zimmerman-Livonia Fire Hall 26140 136 th Street Zimmerman, MN 55398	June 20, 2023 7:00PM
Kaleidoscope Charter School Evaluation	Kaleidoscope Charter School 7525 Kalland Ave NE Otsego, MN 55301	June 26, 2023 10:00 AM
Pre-Exercise Briefing Entrance Meeting	Embassy Suites 6300 Earle Brown Dr, Brooklyn Center, MN 55430	June 26, 2023; 2:00 PM
Evaluator Briefing	Town Square 445 Minnesota Street, Suite 223 St Paul, MN 55101	June 27, 2023; 7:00 AM
JIC & JIC Media Briefing Room	Town Square 445 Minnesota Street, Suite 223 St Paul, MN 55101	—
Wright County Training Center EOC	Wright County EOC 5577 County Road 35 West Maple Lake, MN 55358	—
Sherburne County EOC	Sherburne County EOC 13880 Business Center Drive Suite 100 Elk River, MN 55330	—
State EOC: Communication Backup Demonstration- in support of Wright and Sherburne County	Town Square 445 Minnesota Street, Suite 223 St Paul, MN 55101	June 27, 2023; 7:30 AM
Wright County Communications Center: Communication Backup Demonstration	Wright County EOC 5577 County Road 35 West Maple Lake MN	June 27, 2023; 7:40 AM
Sherburne County Sheriff's Office Communication Center: Communication Backup Demonstration	Sherburne County Sheriff's Office 13880 Business Center Drive Suite 100 Elk River, MN 55330	June 27, 2023; 7:50 AM
State Duty Officer	Bureau of Criminal Apprehension 1430 Maryland Ave E St. Paul, MN 55106	June 27, 2023; 7:55 AM
Initial Notification	Wright County Sherburne County	June 27, 2023; 8:00 AM

Activity	ORO/Location	Date/Time
Planning and Assessment Center (PAC) and State EOC & IPTF	Town Square 445 Minnesota Street, Suite 223 St Paul, MN 55101	June 27, 2023
FEMA players debriefing	Wright County Government Center 3650 Braddock Ave NE Buffalo, MN 55313	June 30, 2023 9:00 AM
FEMA media out briefing	Wright County Government Center 3650 Braddock Ave NE Buffalo, MN 55313	June 30, 2023 10:00 AM
MS-1 St Cloud Hospital (CentraCare)	St Cloud Hospital 1406 6th Ave N St Cloud, MN 56303	June 28, 2023 8:00 AM
Cottage Grove Reception Center and Congregate Care Center	Park High School 8040 80TH St. S. Cottage Grove, MN 55016	June 28, 2023 5:00 PM
MS-1 M Health Fairview Northland Medical Center	M Health Fairview Northland Medical Center 911 Northland Drive Princeton, MN 55371	June 29, 2023; 7:00 AM
Monticello Schools Evaluation	Monticello School District Office 302 Washington St Monticello, MN 55362	June 29, 2023 10:00 AM
MS-1 North Memorial Health Hospital	North Memorial Health Hospital 3300 Oakdale Ave N Robbinsdale, MN 55422	August 8, 2023 8:00 AM
Big Lake Schools Evaluation	Big Lake School District Office 501 Minnesota Ave Big Lake, MN 55309	August 9, 2023 10:00 AM

Re-demonstration

All activities will be demonstrated fully in accordance with respective plans and procedures, as they would be in an actual emergency. This extent-of-play agreement is written by exception. If an exception is not included below then the activity will be demonstrated as described in plans and/or procedures.

2019 Capability Targets that will be demonstrated during this exercise and may be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader, include the following: 1.1, 1.2 1.5, 2.1, 2.2, 3.1, 3.3 5.2, 5.3 and 5.4. Capability Targets may be re-demonstrated as approved on a case-by-case basis by the Chairperson, FEMA R5 Regional Assistance Committee: 1.2, 1.3, 1.4, 3.2, 3.3, and 5.4

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

It is permissible to extend the evaluation time to accommodate the re-demonstration. Issues resolved as the result of a re-demonstration will be noted as Findings resolved through re-demonstration.

Activities, Core Capabilities, and Exercise Objectives

Activity	Core Capability	Exercise Objective
Initial Notification Point	Operational Communications	Objective 1: Emergency Operations Management Objective 3: Alert and Notification
State/County Emergency Operations Centers	Operational Coordination Public Information and Warning	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 3: Alert and Notification
Communications Demonstration	Public Information and Warning	Objective 3: Alert and Notification
School/Transportation Interview	Operational Communications Operational Coordination Critical Transportation	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate
Emergency Worker Monitoring/Decontamination	Operational Coordination Environmental Response/Health and Safety	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate
Traffic and Access Control Point	Access Control Operational Coordination Critical Transportation	Objective 2: Exposure Control Objective 5: Operate

Section 2: Extent-of-Play Agreement

Standards & References

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

- Wright County Radiological Emergency Response Plan.
- Sherburne County Radiological Emergency Response Plan.
- DHS/FEMA REP Program Manual December 2019.
- NUREG 0654/FEMA REP 1 Rev. 2.

Exercise Participants

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

- Wright County Emergency Management Agency
- Wright County Sheriff's Office
- Wright County Health and Human Services
- Sherburne County Emergency Management Agency
- Sherburne County Sheriff's Office
- Sherburne County Health and Human Services
- Sherburne County Emergency Worker Decontamination Team
- Minnesota Health Physics Lab
- Minnesota Department of Transportation (MNDOT)
- Minnesota Department of Human Services (DHS)
- Minnesota Department of Health (MDH)
- Minnesota Department of Agriculture (MDA)
- Minnesota Department of Education (MDE)
- Minnesota Department of Natural Resources (DNR)
- Minnesota Homeland Security and Emergency Management (HSEM)
- Minnesota Pollution Control Agency (MPCA)
- State Duty Officer (BCA)
- State Field Teams
- M Fairview Northland Medical Center
- St Cloud Hospital- CentraCare
- Minnesota State Patrol
- North Memorial Health Hospital
- Monticello School District
- Big Lake School District
- Kaleidoscope Charter School

Section 3: Objectives and Exceptions

Objective 1: Emergency Operations Management

Capability Target 1.1: Mobilization - Individuals with roles in support of emergency operations are identified, alerted, and mobilized in a timely manner.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Operational Coordination

Exercise Parameters: Minnesota State Emergency Operations Center (SEOC) (St. Paul, MN), Wright County (Monticello, MN) and Sherburne County (Elk River, MN), intend to fully activate their respective Emergency Operations Center (EOC). The SEOC and County EOC's will implement notification procedures as defined in Plans and SOGs. Some players may be pre-staged outside the venue due to travel times. The State of MN and the Counties will make declaration of operational status. The State of MN will activate the Joint Information Center (JIC) and mobilize the Radiological Accident Deployment (RAD) Field Teams. State of MN will not be evaluated

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.	Wright County EOC Sherburne County EOC	Exception: Some participants, players, etc. will be prepositioned in their assigned exercise locations. Players will not begin their assigned exercise roles until notification is received/controller inject and will wait an appropriate amount of time to begin. State of MN and BCA will not be evaluated
Receive and verify notifications.	Wright County EOC Sherburne County EOC	Exception: State of MN and BCA will not be evaluated
Identify and request additional resources, as needed.	Wright County EOC Sherburne County EOC	Exception: Agencies outside this EOP may be requested, but response will be simulated. State of MN and BCA will not be evaluated
Determine a facility is operational.	Wright County EOC Sherburne County EOC	Exception: State of MN and BCA will not be evaluated

2019 Capability Targets that will be demonstrated during this exercise and may be re-demonstrated immediately for credit, at the decision of the Jurisdiction FEMA Team Leader, include the following: 1.1, 1.2 1.5, 2.1, 2.2, 3.1, 3.3 5.2, 5.3 and 5.4. Capability Targets may be re-demonstrated as approved on a case-by-case basis by the Chairperson, FEMA R5 Regional Assistance Committee: 1.2, 1.3, 1.4, 3.2, 3.3, and 5.4

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

It is permissible to extend the evaluation time to accommodate the re-demonstration. Issues resolved as the result of a re-demonstration will be noted as Findings resolved through re-demonstration.

Activities, Core Capabilities, and Exercise Objectives

Activity	Core Capability	Exercise Objective
Initial Notification Point	Operational Communications	Objective 1: Emergency Operations Management Objective 3: Alert and Notification
State/County Emergency Operations Centers	Operational Coordination Public Information and Warning	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 3: Alert and Notification
Communications Demonstration	Public Information and Warning	Objective 3: Alert and Notification
School/Transportation Interview	Operational Communications Operational Coordination Critical Transportation	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate

Activity	Core Capability	Exercise Objective
Emergency Worker Monitoring/Decontamination	Operational Coordination Environmental Response/Health and Safety	Objective 1: Emergency Operations Management Objective 2: Exposure Control Objective 5: Operate
Traffic and Access Control Point	Access Control Operational Coordination Critical Transportation	Objective 2: Exposure Control Objective 5: Operate

Section 2: Extent-of-Play Agreement

Standards & References

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

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- DHS/FEMA REP Program Manual December 2019.
- NUREG 0654/FEMA REP 1 Rev. 2.

Exercise Participants

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

- Wright County Emergency Management Agency
- Wright County Sheriff's Office
- Wright County Health and Human Services
- Sherburne County Emergency Management Agency
- Sherburne County Sheriff's Office
- Sherburne County Health and Human Services
- Sherburne County Emergency Worker Decontamination Team
- Minnesota Health Physics Lab
- Minnesota Department of Transportation (MNDOT)
- Minnesota Department of Human Services (DHS)
- Minnesota Department of Health (MDH)
- Minnesota Department of Agriculture (MDA)
- Minnesota Department of Education (MDE)
- Minnesota Department of Natural Resources (DNR)
- Minnesota Homeland Security and Emergency Management (HSEM)
- Minnesota Pollution Control Agency (MPCA)
- State Duty Officer (BCA)
- State Field Teams
- M Fairview Northland Medical Center
- St Cloud Hospital- CentraCare
- Minnesota State Patrol
- North Memorial Health Hospital
- Monticello School District
- Big Lake School District
- Kaleidoscope Charter School

Section 3: Objectives and Exceptions

Objective 1: Emergency Operations Management

Capability Target 1.1: Mobilization - Individuals with roles in support of emergency operations are identified, alerted, and mobilized in a timely manner.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Operational Coordination

Exercise Parameters: Minnesota State Emergency Operations Center (SEOC) (St. Paul, MN), Wright County (Monticello, MN) and Sherburne County (Elk River, MN), intend to fully activate their respective Emergency Operations Center (EOC). The SEOC and County EOC's will implement notification procedures as defined in Plans and SOGs. Some players may be pre-staged outside the venue due to travel times. The State of MN and the Counties will make declaration of operational status. The State of MN will activate the Joint Information Center (JIC) and mobilize the Radiological Accident Deployment (RAD) Field Teams. State of MN will not be evaluated

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.	Wright County EOC Sherburne County EOC	Exception: Some participants, players, etc. will be prepositioned in their assigned exercise locations. Players will not begin their assigned exercise roles until notification is received/controller inject and will wait an appropriate amount of time to begin. State of MN and BCA will not be evaluated
Receive and verify notifications.	Wright County EOC Sherburne County EOC	Exception: State of MN and BCA will not be evaluated
Identify and request additional resources, as needed.	Wright County EOC Sherburne County EOC	Exception: Agencies outside this EOP may be requested, but response will be simulated. State of MN and BCA will not be evaluated
Determine a facility is operational.	Wright County EOC Sherburne County EOC	Exception: State of MN and BCA will not be evaluated

Capability Target 1.2: Direction and Control - Individuals in leadership roles provide direction and control to the portion of the overall response effort for which they are responsible.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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 Wright County EOC and Sherburne County EOC. Communication will be established to ensure coordinated efforts and appropriate communication during response activities.

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

Capability Target 1.3: Protective Action Recommendations – 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

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

Exercise Parameters: Evaluate dose projections based on information from the simulated field monitoring data.

Assessment	Venue	Extent of Play
Select and implement pre-planned precautionary protective actions		Exception: State of MN not evaluated.
Utilize the methodology in plans/procedures to select among a range of protective actions most appropriate in a given emergency. This could also include the use of preplanned precautionary protective actions contained in plans/procedures		Exception: State of MN not evaluated.
Develop PARs		Exception: State of MN not evaluated.
Transmit PARs in a timely manner		Exception: State of MN not evaluated.
Assess radiological consequences and provide	All Venues	Exceptions: by discussion if not already available at venue.

Assessment	Venue	Extent of Play
appropriate PARs for the ingestion exposure pathway		

Capability Target 1.4: Protective Action Decisions for the Plume Phase – Appropriate PADs are based on available information for the plume phase.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: The State of Minnesota will make Protective Action Recommendations (PAR) to Wright County and Sherburne County officials in the county EOC. The Governor or Governor's Authorized Representative (GAR) will make the final Protective Action Decisions (PAD) regarding what protective actions will be recommended to the public of Wright County and Sherburne County. Wright County and Sherburne County will issue separate PADs for access and functional needs, or schools. State of Minnesota will not be evaluated.

Assessment	Venue	Extent of Play
Coordinate and make PADs for members of the general public.		Exception: State of MN not evaluated.
Coordinate and make PADs for those with access and functional needs.	Wright County EOC Sherburne County EOC	
Coordinate and make PADs for students at schools.	Wright County EOC Sherburne County EOC	Exception: State of MN not evaluated. Process with counties will happen via interview
Coordinate and make subsequent or alternate PADs.		Exception: State of MN not evaluated.
Coordinate and make decisions on the administration of KI (where applicable) for the public and institutionalized members of the population.		Exception: State of MN not evaluated. County will coordinate. Minnesota Department of Health is responsible for the decision to ingest KI.

Capability Target 1.5: Protective Action Decision Implementation for the Plume Phase –Implement decisions for those populations and areas subject to plume phase protective actions.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: No actual evacuations or demonstrations of shelter-in-place will occur. Phone calls and public notifications will be simulated. All transportation points of review will be demonstrated by interview/discussion. No actual transportation will occur. School demonstration is

out of sequence relative to EOC demonstration, most of School Services Officer demonstration will be by interview, and communications with school districts will be simulated.

Assessment	Venue	Extent of Play
Implement PADs, ensuring communication and coordination with all appropriate jurisdictions.	Wright County EOC Sherburne County EOC Monticello School District Big Lake School District Kaleidoscope Charter School	See Exercise Parameters
Assist those with access and functional needs during the implementation of PADs.	Wright County EOC Sherburne County EOC Monticello School District Big Lake School District Kaleidoscope Charter School	See Exercise Parameters
Communicate, coordinate, and implement protective actions for schools.	Wright County EOC Sherburne County EOC Monticello School District Big Lake School District Kaleidoscope Charter School	See Exercise Parameters
Communicate with transportation officials.	Wright County EOC Sherburne County EOC Monticello School District Big Lake School District Kaleidoscope Charter School	See Exercise Parameters
Identify evacuation routes for the general public.	Wright County EOC Sherburne County EOC Monticello School District Big Lake School District Kaleidoscope Charter School	See Exercise Parameters
Make KI available to both institutionalized persons and the general public, in	Wright County EOC Sherburne County EOC	See Exercise Parameters

Assessment	Venue	Extent of Play
accordance with plans and procedures	Monticello School District Big Lake School District Kaleidoscope Charter School	

Capability Target 1.6: Protective Action Decisions for the Post-Plume – Appropriate PADs are based on available information for the post-plume phase.

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

Planning references: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: Not Selected for this exercise

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

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

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: Not Selected for this exercise

Objective 2: Exposure Control

Capability Target 2.1: Emergency Worker Exposure Control Decision-Making Process - A decision-making process involving consideration of appropriate factors and necessary coordination is used to ensure that an exposure control system is in place for emergency workers and includes the use of radio protective 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

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. Field Teams will be simulated in-sequence.

Assessment	Venue	Extent of Play
Control emergency workers' exposure and dose, including offsite workers performing duties onsite.	Wright County EOC Sherburne County EOC	
Maintain record of dose as a result of exposure.		No Exception
Authorize exposures and dose in excess of identified limits.	Wright County EOC	Radiological Officer in county EOC will be interviewed concerning exceeding

Assessment	Venue	Extent of Play
	Sherburne County EOC	dose limits. Authorization is a state function. (Out of Sequence)
Process for considering occupational exposures and to authorize individuals to receive doses in excess of occupational dose limits.		Exception: State of MN will not be evaluated
Determine a correction factor for DRD-based isotopic release mixture		Exception: State of MN will not be evaluated
Control exposure and dose for temporary reentry of emergency workers, or members of the public, to restricted areas.		Not Selected
Determine the need to authorize radioprotective drugs using projected thyroid doses and field measurements. Projections are compared to previously established PAGs.		Exception: State of MN will not be evaluated
Adequately protect members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.		Not Selected

Capability Target 2.2: Emergency Worker Exposure Control Management - Emergency workers manage radiological exposure and dose in accordance with the plans/procedures.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: DRDs, TLDs and KI for emergency workers are pre-distributed and described in the Wright and Sherburne Counties Emergency Response Plan (RERP) and SOGs. In the event that the use of KI is recommended to emergency workers, players will simulate taking KI.

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

Assessment	Venue	Extent of Play
Adequately distribute radioprotective drugs to emergency workers.	All Venues	No Exception
Record and report exposures in the field.		No Exception
Implement decisions to administer radioprotective drugs.		Exception: State Function for decision, County will coordinate. MN Department of Health is responsible for the decision to ingest KI. Ingestion of KI will be simulated.
Report to individual responsible for managing exposure and dose when limits are reached.	All Venues	No Exception
Implement exposure control decisions to members of the public from radiological exposure and control dose for those who are authorized to temporarily reenter a restricted area.		Not Selected

Objective 3: Alert and Notification

Capability Target 3.1: Communications - Communication processes, systems, and equipment are sufficient to support emergency operations.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: MN State EOC will be the primary means of communication between Wright County, Sherburne County, State RAD Teams and Monticello Nuclear Generating Plant. MN SEOC along with Wright and Sherburne Counties will demonstrate a primary communications system along with one additional communication method. 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.	Wright County EOC Sherburne County EOC	Exception: State of MN will not be evaluated
Maintain periodic test results and corrective actions on a real time basis.	Wright County EOC Sherburne County EOC	During Communications interview. State of MN will not be evaluated
Access at least one communication system that is independent of the commercial telephone system.	Wright County EOC Sherburne County EOC	During Communications interview. State of MN will not be evaluated
Manage the communication systems and ensure that all message traffic is handled	Wright County EOC Sherburne County EOC	Exception: State of MN will not be evaluated

Assessment	Venue	Extent of Play
without delays that might disrupt emergency operations.		
Identify and address any failures of the systems.	Wright County EOC Sherburne County EOC	Exception: State of MN will not be evaluated
Transmit, receive, and understand messages (i.e., “content check”).	Wright County EOC Sherburne County EOC	During Communications interview. State of MN will not be evaluated

Capability Target 3.2: Alert and Notification of the Public - Alert and notification of the public is completed in a timely manner.

Intent: The capability to provide instructions to the public.

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Public Information and Warning; Planning

Exercise Parameters: Alert and Notification of the public in Wright County and Sherburne County is a coordinated function. All EPZ counties have the ability to sound sirens. Wright County has the lead for siren activation coordination with Sherburne County. The development and dissemination of an EAS will be demonstrated in the SEOC. 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: Wright County and Sherburne County.

Assessment	Venue	Extent of Play
ALERT AND NOTIFICATION SYSTEM: Sequentially provide an alert signal followed by an initial instructional message to populated areas.	Wright County EOC Initial Notification Point	Exception: An EAS message will be developed but will not be broadcast. Communications Demonstration will be used to discuss associated points of review. Exception: Siren Activation – Evaluators will interview Wright County 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)		Same as above.
ALERT AND NOTIFICATION SYSTEM: Identify and address any failures of the system(s) or portion of a system(s).		No Exception – MN Duty Officer will be supply backup IPAWS communication, if HSEM systems fail. If IPAWS system fails, authorization from the State EOC can be made to risk counties to send a CIVIL EMERGENCY action message to their local areas. State of MN will not be evaluated.
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:		Exception: Annual Siren Test results are recorded in the ALC. FEMA Region 5 was provided test results through the IPAWS

Assessment	Venue	Extent of Play
Electronic Notification System (ENS)		lab. The process may be discussed during communications interview.
EMERGENCY ALERT SYSTEM: Identify the process to activate the IPAWS. -		Exception: State of MN will not be evaluated
EMERGENCY ALERT SYSTEM: Ensure that updated emergency information is disseminated in a timely manner.		Exception: State of MN will not be evaluated
EMERGENCY ALERT SYSTEM: Ensure that current emergency information is repeated at pre-established intervals.		Exception: State of MN will not be evaluated
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.		Exception: State of MN will not be evaluated
EAS/NWS STATION: Broadcast the message on a 24-hour basis.		Exception: State of MN will not be evaluated
ROUTE/ALTERNATE ALERTING	Wright County EOC Sherburne County EOC	Exception: Not Demonstrated, Counties have 100% siren coverage

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

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

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Public Information and Warning; Planning

Exercise Parameters: SEOC JIC, Wright County and Sherburne County will demonstrate this capability target by using pre-scripted messages as prescribed in plans and SOGs. Contact with media outlets will be simulated and no actual messages will be broadcast. No actual notifications to the public will be performed (sirens, EAS, IPAWS, press releases, etc.). State of MN will not be evaluated.

Assessment	Venue	Extent of Play
PLUME PHASE: Deliver coordinated, prompt, reliable, and actionable information in a timely manner.	JIC	Exception: State of MN will not be evaluated
PLUME PHASE: Provide clear, concise, accessible messaging using plain language.	JIC	Exception: State of MN will not be evaluated

Assessment	Venue	Extent of Play
PLUME PHASE: Messaging addresses appropriate cultural and linguistic considerations.	JIC	Exception: State of MN will not be evaluated
PLUME PHASE: Ensure subsequent messaging is consistent with protective actions.	JIC	Exception: State of MN will not be evaluated
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.).	JIC	Exception: State of MN will not be evaluated County PIO Liaisons will provide updated information to the JIC.
PLUME PHASE: Respond to media and public inquiries.	JIC	Exception: State of MN will not be evaluated
POST-PLUME PHASE: Rapidly disseminate of ingestion exposure pathway information to predetermined individuals and businesses.		Not Selected
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.		Not Selected

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

Capability Target 4.1: Field Monitoring Teams Management - FMTs are managed to obtain information to help characterize the release, locate and track the airborne radiological plume, and control contamination.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: *Not Selected for this exercise*

Capability Target 4.2: Plume Phase Measurements and Sampling - FMTs make, record, and report measurements of ambient radiation to appropriate authorities; radioiodine and particulate samples are collected.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: Not Selected for this exercise

Capability Target 4.3: Post-Plume Phase Measurements and Sampling - FMTs take measurements and samples to support assessment of the ingestion exposure pathway and to support reentry, relocation, and return decisions.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: Not Selected for this exercise

Capability Target 4.4: Laboratory Operations - The laboratory performs radiological analyses to support protective action decision-making.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

Core Capabilities: Environmental Response/Health and Safety; Planning

Exercise Parameters: Not Selected for this exercise

Objective 5: Operate

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

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

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

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

Exercise Parameters: Exercise Parameters: State of Minnesota will demonstrate a reception center where monitoring, decontamination and registration of evacuees takes place, and a separate congregate care center for temporary shelter. No live sources will be used, all contamination levels will be by controller inject. All decontamination will be demonstrated by discussion, no actual decontamination methods will be demonstrated. Equipment and supplies will be available for inspection. Monitoring will be demonstrated. SOGs will be used.

Assessment	Venue	Extent of Play
Set up operations:	Reception Center, Congregate Care Center	Exception – Centers will be set-up in advance of demonstration. Exception: Where applicable, only one locker room will be set up. A floor plan of showering facilities for both males and females will be available for inspection. Exception: Disposable paper walkways will not be used. Walkways will be clearly outlined using cones and/or stanchions in order to minimize waste.

Operationally check instruments and equipment.	Reception Center	Exception: A minimum of one of each type of radiological monitoring instrument will be demonstrated.
Assessment	Venue	Extent of Play
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.	Reception Center	Demonstrated through plan review which shows calculations. A total of six potentially contaminated individuals will pass through a portal monitor. In consultation with the evaluator, controller will select one evacuee at random to be designated as contaminated.
MONITORING: Monitor evacuees, service animals, pets, vehicles, and possessions.	Reception Center	Exception: No pets or service animals will be monitored
Utilize trigger/action levels for determining the need for decontamination.	Reception Center	See Exercise Parameters.
DECONTAMINATION: Decontaminate evacuees, and personal belongings, while limiting the spread of contamination.	Reception Center	Exception: Evacuee decontamination will be walked through and explained procedurally by workers. Evacuee will not undergo actual decontamination.
DECONTAMINATION: Follow-up with any evacuee(s) who cannot be appropriately decontaminated for assessment; ensure the capability to provide evacuee-referrals.	Reception Center	Exception: The decision to refer individuals who cannot be decontaminated to medical facilities will be procedurally explained via evaluator interview.
VEHICLES: Monitor and decontaminate vehicles.	Reception Center	Exception: Monitoring of one vehicle will be demonstrated.

Assessment	Venue	Extent of Play
VEHICLES: Provide adequate, separate space for both contaminated and non-contaminated vehicles.	Reception Center	No Exception
VEHICLES: Decontaminate evacuee vehicles based on trigger/action levels.	Reception Center	No Exception
SHELTERING AND CONGREGATE CARE: Coordinate for incoming evacuees who have been monitored and, if necessary, decontaminated.	Congregate Care Center	No Exception
SHELTERING AND CONGREGATE CARE: Establish shelter operations.	Congregate Care Center	Exception: A sample of evacuee bedding and provisions will be shown. Red Cross inventory list will be available.
SHELTERING AND CONGREGATE CARE: Congregate care centers and operations in host/support jurisdictions are sufficient to support the expected number of evacuees.	Congregate Care Center	No Exception
REGISTRATION: Register evacuees.	Reception Center Congregate Care Center	Exception: Initial registration of evacuees who are found not to be contaminated will be demonstrated concurrently with evacuee decontamination.
REGISTRATION: Ensure the registration area is clean and controlled.	Reception Center Congregate Care Center	No Exception

Capability Target 5.2: Monitoring and Decontamination of Emergency Workers, Equipment, and Vehicles - Facilities, equipment, and procedures are in place and utilized to provide monitoring and decontamination of emergency workers and their equipment and vehicles.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

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

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

Capability Target 5.3: Transportation and Treatment of Contaminated Individuals - Transport contaminated, injured individuals to medical facilities with the capability to monitor and decontaminate.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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

Exercise Parameters: Mayo Ambulance, North Memorial Ambulance will demonstrate the capability to transport contaminated individuals. M Fairview Northland Medical Center, CentraCare- St Cloud

Hospital and North Memorial Health Hospital will monitor contaminated individuals and equipment as well as setup, activate and operate medical services.

Assessment	Venue	Extent of Play
Transport contaminated, injured individuals to medical facilities	Mayo Ambulance North Memorial Ambulance	
Maintain Communications between the medical transportation provider and the receiving medical facility.	M Fairview Northland Medical Center CentraCare- St Cloud Hospital North Memorial Health Hospital	
Operationally check instruments and equipment.	M Fairview Northland Medical Center CentraCare- St Cloud Hospital North Memorial Health Hospital	
Set-up, activate, and operate an REA.	M Fairview Northland Medical Center CentraCare- St Cloud Hospital North Memorial Health Hospital	
Monitor and decontaminate the individual, equipment, and other items.	M Fairview Northland Medical Center CentraCare- St Cloud Hospital North Memorial Health Hospital	

Capability Target 5.4: Traffic and Access Control - Appropriate traffic and access control is established; accurate instructions are provided to traffic and access control staff.

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

Planning reference: NUREG-0654/FEMA-REP-1, Rev. 2

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 simulated calls to the SEOC with the State Patrol and MnDOT. No actual control point will be set up but a demonstration will be coordinated with Wright and Sherburne Counties. Equipment will be available for inspection. State of MN will not be evaluated.

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.	Wright County EOC Sherburne County EOC	No Exception
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.	Wright County EOC Sherburne County EOC	No Exception
Contact the state or Federal agencies that have the authority for the different transportation modes (e.g., rail, water, and air traffic).		Not Selected
Identify and take appropriate actions concerning impediments that affect the evacuation and evacuation routes.	Wright County EOC Sherburne County EOC	No Exception
Make the decision to re-route traffic and coordinate with key decision-makers and the JIC to ensure the alternate route information is appropriately communicated to evacuees.		PIO will provide re-route instructions to the JIC.
Establish procedures to control access to and monitor people and vehicles from the evacuated and restricted areas.		Not Selected
Authorize reentry of individuals into the restricted areas.		Not Selected
Establish exit procedures.		Not Selected

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

TUESDAY JUNE 20, 2023

EMERGENCY WORKER MONITORING/DECONTAMINATION CENTER		
Address:	26140 136 th Street Zimmerman, MN 55398	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Zimmerman-Livonia Fire Hall	
Date:	June 20, 2023	
Time:	7:00PM	

MONDAY JUNE 26, 2023

KALEIDOSCOPE CHARTER SCHOOL		
Address:	7525 Kalland Ave NE Otsego, MN 55301	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Kaleidoscope Charter School	
Date:	June 26, 2023	
Time:	10:00 AM	

PRE-EXERCISE MEETING		
Address:	6300 Earle Brown Dr, Brooklyn Center, MN 55430	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Embassy Suites	
Date:	June 26, 2023	
Time:	2:00 PM	

TUESDAY JUNE 27, 2023

STATE OF MN EMERGENCY OPERATIONS CENTER		
Address:	Town Square 445 Minnesota Street, Suite 223 St Paul, MN 55101	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	HSEM SEOC	
Date:	June 27, 2023	
Time:		

WRIGHT COUNTY EMERGENCY OPERATIONS CENTER		
Address	5577 County Road 35 West Maple Lake, MN 55358	
Contact	Patrick McLaughlin	
Telephone	651-201-7434	
Action Location	Wright County EOC	
Date:	June 27, 2023	
Time:		

Address:	13880 Business Center Drive Suite 100 Elk River, MN 55330	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Sherburne County EOC	
Date:	June 27, 2023	
Time:		

STATE DUTY OFFICER		
Address:	1430 Maryland Ave E St. Paul, MN 55106	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:		
Date:	June 27, 2023	
Time:	7:55 AM	

WRIGHT COUNTY COMMUNICATIONS CENTER		
Address:	5577 County Road 35 West Maple Lake, MN 5	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Wright County EOC	
Date:	June 27, 2023	
Time:	7:40 AM	

SHERBURNE COUNTY SHERIFF'S OFFICE COMMUNICATIONS CENTER		
Address:	13880 Business Center Drive Suite 100 Elk River, MN 55330	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Sheriff's Office	
Date:	June 27, 2023	
Time:	7:50 AM	

WEDNESDAY JUNE 28, 2023

MS-1 ST CLOUD HOSPITAL		
Address:	1406 6th Ave N St Cloud, MN 56303	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	CentraCare	
Date:	June 28, 2023	
Time:	8:00 AM	

COTTAGE GROVE RECEPTION CENTER		
Address:	8040 80TH St. S. Cottage Grove, MN 55016	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Park High School	
Date:	June 28, 2023	
Time:	5:00 PM	

THURSDAY JUNE 29, 2023

MS-1 M FAIRVIEW NORTHLAND MEDICAL CENTER		
Address:	911 Northland Drive Princeton, MN 55371	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	M Fairview Northland Medical Center	
Date:	June 29, 2023	
Time:	7:00 AM	

MONTICELLO SCHOOLS		
Address:	302 Washington St Monticello, MN 55362	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	Monticello District Office	
Date:	June 29, 2023	
Time:	10:00 AM	

TUESDAY AUGUST 8, 2023

NORTH MEMORIAL HEALTH HOSPITAL		
Address:	3300 Oakdale Ave N, Robbinsdale, MN 55422	
Contact:	Patrick McLaughlin	
Telephone:	651-201-7434	
Action Location:	North Memorial Health Hospital	
Date:	August 8, 2023	
Time:	8:00 AM	

Section 5: Back-up Documentation

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

Section 6: Acronyms

Acronym	Term
ARC	American Red Cross
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
JIC	Joint Information Center
ORO	Offsite Response Organization
PIO	Public Information Officer
R5	FEMA Region Five
RAC	Radiological Assistance Committee
RERP	Radiological Emergency Response Plan
SOG	Suggested Operational Guidance
TACP	Traffic/Access Control Point