

After Action Report/ Improvement Plan

Exercise Date – August 10, 2021

Radiological Emergency Preparedness (REP) Program



Monticello Nuclear Generating Plant



FEMA

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CONTENTS

CONTENTS	iii
EXECUTIVE SUMMARY	1
SECTION 1: Exercise Overview	3
1.1 EXERCISE DETAILS	5
1.2 Exercise Planning Team Leadership	6
1.3 Participating Organizations	8
SECTION 2: Exercise Design Summary.....	9
2.1 Exercise Purpose and Design.....	9
2.2 FEMA Core Capabilities and Exercise Objectives	9
SECTION 3: Analysis of Capabilities	13
3.2 Exercise Evaluation and Results	15
Table 3.2.1 – Summary of Exercise Evaluation – State of Minnesota.....	16
Table 3.2.2 – Summary of Exercise Evaluation – State of Minnesota.....	17
Table 3.2.3 – Summary of Exercise Evaluation – Sherburne County	18
Table 3.2.4 – Summary of Exercise Evaluation– Sherburne County	19
Table 3.2.5 – Summary of Exercise Evaluation – Wright County	20
Table 3.2.6 – Summary of Exercise Evaluation– Wright County.....	21
3.3 Jurisdictional Summary of Exercise Evaluation Results.....	23
3.3.1 State of Minnesota	23
3.3.1.2 Planning and Assessment Center	23
3.3.1.3 State of Minnesota PIO – JIC Media Briefings.....	24
3.3.1.4 Public Information Officer – JIC	24
3.3.1.5 State of Minnesota Regional Program Coordinator – Sherburne County ..	25
3.3.1.6 State of Minnesota Regional Program Coordinator – Wright County	25
3.3.2 State of Minnesota Out-of-Sequence Demonstrations	25
3.3.2.1 State of Minnesota Command Van – Maple Grove Fire Station.....	25
3.3.2.2 State of Minnesota RAD Field Team #1 – Maple Grove Fire Station	26
3.3.2.3 State of Minnesota RAD Field Team #2 – Maple Grove Fire Station	26
3.3.2.4 St. Cloud Hospital – Facility	26
3.3.2.5 St. Cloud Hospital – Transportation	27

3.3.2.6 North Memorial Medical – Facility	27
3.3.2.7 North Memorial Medical – Transportation.....	27
3.3.2.8 State of Minnesota Emergency Worker Exposure Control Briefing/Interview	28
3.3.2.9 State of Minnesota EAS Demonstration	28
3.3.2.10 State of Minnesota TACP Impediment.....	28
3.3.3 Risk Jurisdiction – Sherburne County	29
3.3.3.1 Sherburne County EOC.....	29
3.3.4 Sherburne County Out-of-Sequence Demonstrations.....	29
3.3.4.1 Sherburne County TACP Impediment	29
3.3.4.2 Sherburne County Emergency Worker Exposure Control Briefing/Interview	30
3.3.4 Risk Jurisdiction – Wright County	30
3.3.4.1 Wright County EOC	30
3.3.5 Wright County Out-of-Sequence Demonstrations	31
3.3.5.1 Wright County TACP Impediment	31
3.3.5.2 Wright County Emergency Worker Exposure Control Briefing/Interview...31	
SECTION 4: Conclusion	33
APPENDIX A: Improvement Plan	35
APPENDIX B: Exercise Timeline	37
APPENDIX C: Exercise Evaluation Team	39
APPENDIX D: Acronyms	42
APPENDIX E: Extent-of-Play Agreements	44
APPENDIX F: Onsite Scenario Timeline.....	59

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EXECUTIVE SUMMARY

On August 10, 2021, the U.S. Department of Homeland Security, Federal Emergency Management Agency (DHS/FEMA) Region V evaluated a Radiological Emergency Preparedness Program, Full Participation, Plume Exposure Pathway Exercise in the 10-mile Emergency Planning Zone (EPZ) for the Monticello Nuclear Generating Plant (MNGP).

The MNGP is located 55 miles northwest of St. Paul, Minnesota. The MNGP 10-mile Plume Exposure Pathway EPZ encompasses portions of Sherburne and Wright County, Minnesota.

The purpose of the exercise was to assess the level of state and local preparedness in responding to an incident at the MNGP. This exercise was conducted in accordance with DHS/FEMA's policies and guidance concerning the exercise of State and Local radiological emergency response plans and procedures. The previous federally evaluated exercise for this site was conducted on September 10, 2019. The qualifying emergency preparedness exercise was conducted on January 7, 1981.

Officials and representatives from the State of Minnesota, Sherburne and Wright Counties, and Xcel Energy participated in this exercise. State and Local officials demonstrated knowledge of their emergency response plans and procedures and successfully implemented them. No Findings or Plan Issues were identified for the State of Minnesota, Sherburne and Wright Counties as a result of the 2021 MNGP Exercise.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 270 individuals participated in the offsite portion of the exercise, including local volunteers and MNGP owner/operator personnel.

The ongoing COVID-19 Public Health Emergency and other disasters that occurred during 2020-2021 presented the State of Minnesota with substantial logistical and communications challenges for simultaneously developing and implementing a successful commercial nuclear power plant exercise plan in a combined virtual and physical environment. The exercise was evaluated virtually using Microsoft Teams® and ZOOM® collaboration software. The Microsoft Teams® software was configured by the State of Minnesota Emergency Management Agency, Sherburne and Wright Counties to establish multiple Channels, each with audio/visual, chat, and exercise-related document sharing features. Electronic mail and cellphone voice and texting modalities were also used to support the exercise.

This exercise also involved extensive use of well-documented Full and Partial Actual Incident Credit, as well as the successful tethering and implementation of virtual technologies and logistics, to assess the State of Minnesota, Sherburne and Wright Counties capabilities for protecting public health and safety. These combined efforts significantly expand the REP Program's relevance and capabilities.

Pursuant to the documented and ongoing COVID-19 Public Health Emergency response. The State of Minnesota, Sherburne and Wright Counties requested and received Actual Incident Credit for Demonstration Criteria for Full (1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.c.1, and 3.d.1 [Sherburne and Wright Counties]) and Partial (5.b.1, State of Minnesota) Actual Incident Credit for the 2021 MNGP REP Full Participation Plume Exposure Pathway Exercise. All other eight-year and biennial requirements had been met by the State of Minnesota, Sherburne and Wright Counties during previous exercises and drills.

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SECTION 1: Exercise Overview

The DHS/FEMA's responsibilities in radiological emergency planning for fixed nuclear facilities include the following:

- Taking the lead in offsite emergency planning and in the review and evaluation of Radiological Emergency Response Plans (RERPs) and procedures developed by State and local governments;
- Determining whether such plans and procedures can be implemented on the basis of observation and evaluation of exercises of the plans and procedures conducted by State and local governments;
- Responding to requests by the U.S. Nuclear Regulatory Commission (NRC) pursuant to the Memorandum of Understanding between the NRC and FEMA dated December 7, 2015 (Federal Register, Vol. 82, No. 88, May 9, 2017); and
- Coordinating the activities of Federal agencies with responsibilities in the radiological emergency planning process:
 - U.S. Department of Agriculture;
 - U.S. Department of Commerce;
 - U.S. Department of Energy;
 - U.S. Department of Health and Human Services;
 - U.S. Department of the Interior;
 - U.S. Department of Transportation;
 - U.S. Environmental Protection Agency;
 - U.S. Food and Drug Administration; and
 - U.S. Nuclear Regulatory Commission.

Representatives of these agencies serve on the DHS/FEMA Region V Regional Assistance Committee (RAC), which is chaired by DHS/FEMA.

A REP Full Participation Plume Exposure Pathway Exercise was conducted on August 10, 2021, and evaluated by the DHS/FEMA to assess the capabilities of State and Local offsite emergency preparedness organizations in implementing their RERPs and procedures to protect the public's health and safety during a radiological emergency involving the Monticello Nuclear Generating Plant. The purpose of this exercise report is to present the exercise results and findings on the performance of the Offsite Response Organizations (ORO) during a simulated radiological emergency.

The Scenario and Extent-of-Play Agreements submitted by the State of Minnesota on May 25, 2021, were approved by the DHS/FEMA Region V RAC Chair on July 16, 2021.

The COVID-19 Public Health Emergency related travel and social distancing restrictions made it necessary to adopt and adapt virtual technologies to conduct the exercise. A virtual exercise platform was developed by the State of Minnesota in collaboration with DHS/FEMA Region V. The use of computer-

based Microsoft Teams® and ZOOM® audio-visual collaboration software, supported by email, and cellular telephone voice and text communications, allowed DHS/FEMA evaluation teams to remotely observe demonstration activities at multiple locations and access exercise documentation in real time. Access to WebEOC® web-based emergency management software platforms was also provided by the MNGP and State of Minnesota. Additional hardcopy exercise documentation was provided electronically by the State of Minnesota, Sherburne and Wright Counties immediately following the exercise

This exercise involved extensive approval of REP Actual Incident Credit for documented state and local response to the COVID-19 Public Health Emergency and other declared disasters. The approval of Actual Incident Credit required OROs to submit documentation substantiating demonstration capabilities consistent with NUREG-0654 FEMA-REP-1, Rev. 1, and FEMA P-1028 REP Program Manual guidance. Assessment credit was approved for response actions that met REP Program capability targets and provided reasonable assurance for protecting public health and safety.

Actual Incident Credit for the State of Minnesota, Sherburne and Wright Counties was approved by DHS/FEMA Region V on June 3, 2021 for The State of Minnesota, Sherburne and Wright Counties. Actual Incident Credit for Demonstration Criteria for Full (1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.c.1, and 3.d.1 [Sherburne and Wright Counties]) and Partial (5.b.1, State of Minnesota) Actual Incident Credit for the 2021 MNGP REP Full Participation Plume Exposure Pathway Exercise. All other eight-year and biennial requirements had been met by the State of Minnesota, Sherburne and Wright Counties during previous exercises and drills.

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 V RAC Chair, and approved by the DHS/FEMA Headquarters.

The criteria utilized in the FEMA evaluation process are contained in:

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980; and
- FEMA P-1028 REP Program Manual, dated January 2016.

1.1 EXERCISE DETAILS

EXERCISE NAME

Monticello Nuclear Generating Plant Radiological Emergency Preparedness (REP), Full Participation, Plume Exposure Pathway Exercise

TYPE OF EXERCISE

Plume Exposure Pathway

EXERCISE DATE

August 10, 2021

LOCATIONS

See Appendices C and E for a complete list of locations.

SPONSORS

Minnesota Homeland Security and Emergency Management
445 Minnesota Street, Suite 223
St. Paul, Minnesota 55101

Xcel Energy Inc. – Prairie Island Nuclear Generating Plant
414 Nicollet Mall
Minneapolis, Minnesota 55401

PROGRAM

Department Of Homeland Security/Federal Emergency Management Agency Radiological Emergency Preparedness Program

MISSION

Response

SCENARIO TYPE

Radiological Emergency

1.2 EXERCISE PLANNING TEAM LEADERSHIP

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1.3 PARTICIPATING ORGANIZATIONS

Agencies and organizations of the following jurisdictions participated in the exercise:

STATE ORGANIZATIONS

- Emergency Medical Services Regulatory Board
- Minnesota Department of Agriculture
- Minnesota Department of Education
- Minnesota Department of Health
- Minnesota Department of Human Services
- Minnesota Department of Natural Resources
- Minnesota Department of Public Safety
- Minnesota Department of Transportation
- Minnesota National Guard
- Minnesota State Police
- State Fire Marshal
- State of Minnesota Homeland Security and Emergency Management

RISK COUNTY ORGANIZATIONS

- City of Monticello
- Sherburne County Farm Service Agency
- Sherburne County Human Services
- Sherburne County Public Information Officer
- Sherburne County Public Works
- Sherburne County RADEF
- Sherburne County Sheriff's Office
- Wright County Farm Service Agency
- Wright County Human Services
- Wright County Public Health
- Wright County Public Information Officer
- Wright County RADEF
- Wright County Sheriff's Office

PRIVATE ORGANIZATIONS

- American Red Cross (Central Minnesota Chapter)
- CentraCare St. Cloud Hospital
- Fairview Northland Hospital
- Maple Grove Fire Department
- Minnesota Public Radio
- North Memorial Ambulance Service
- North Memorial Medical Center
- Plymouth Fire Department
- St. Cloud Hospital
- Xcel Energy

FEDERAL ORGANIZATIONS

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

SECTION 2: Exercise Design Summary

2.1 EXERCISE PURPOSE AND DESIGN

The U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) administers the Radiological Emergency Preparedness (REP) Program pursuant to the regulations found in Title 44 Code of Federal Regulation (CFR) parts 350, 351, and 352. Title 44 CFR Part 350 names sixteen planning standards that form the basis for radiological emergency response planning for state, tribal, and local governments impacted by the EPZs established for each nuclear power plant site in the United States. Title 44 CFR Part 350 sets forth the mechanisms for the formal review and approval of state, tribal, and local government radiological emergency response plans and procedures by DHS/FEMA. One of the REP Program requirements established by these regulations is the biennial exercise of offsite response capabilities. During these exercises, DHS/FEMA evaluates state, tribal, and local government plans, procedures, and actions to protect the health and safety of the public in the event of a radiological emergency at the nuclear plant.

The DHS/FEMA provides a statement with the transmission of this Final After Action Report/Improvement Plan (AAR/IP) to the United States NRC that the affected state, tribal, and local 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 emergency; and (2) capable of being implemented. The report and statement are based on the results of this exercise, review of the radiological emergency response plans and procedures, and verification of the periodic requirements set forth in *"Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980* (NUREG-0654/FEMA-REP-1, Rev.1) through the annual letter of certification and staff assistance visits.

Formal submission of the radiological emergency response plans for the Monticello Nuclear Generating Plant to FEMA Region V by the State of Minnesota and Sherburne and Wright Counties occurred on February 1, 1983. Formal approval of the plans was granted by FEMA on May 16, 1985, under 44 CFR 350.

2.2 FEMA CORE CAPABILITIES AND EXERCISE OBJECTIVES

Core Capabilities-based planning allows for exercise planning teams to develop exercise objectives and observe exercise outcomes through a framework of specific action items. Using the Homeland Security Exercise and Evaluation Program methodology, the exercise objectives meet the Radiological Emergency Preparedness Program requirements and encompass the emergency preparedness evaluation areas. The critical tasks to be demonstrated were negotiated with the State of Minnesota and Sherburne and Wright Counties. The Core Capabilities demonstrated during this exercise were:

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. Mobilize all critical resources and establish command, control, and coordination structures within the affected community, in other coordinating bodies in surrounding communities, and across the Nation, and maintain as needed throughout the duration of an incident. Enhance and maintain command,

control, and coordination structures consistent with the National Incident Management System to meet basic human needs, stabilize the incident, and transition to recovery.

Situational Assessment: Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response. Deliver information sufficient to inform decision making regarding immediate lifesaving and life-sustaining activities, and engage governmental, private, and civic sector resources within and outside of the affected area to meet basic human needs and stabilize the incident. Deliver enhanced information to reinforce ongoing lifesaving and life-sustaining activities, and engage governmental, private, and civic sector resources within and outside of the affected area to meet basic human needs, stabilize the incident, and transition to recovery.

Public Information and Warning: Deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard and, as appropriate, the actions being taken and the assistance being made available. Inform all affected segments of society of critical lifesaving and life-sustaining information by all means necessary, including accessible tools, to expedite the delivery of emergency services and aid the public to take protective actions. Deliver credible and actionable messages to inform ongoing emergency services and the public about protective measures and other life-sustaining actions, and facilitate the transition to recovery.

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. Identify, assess, and mitigate worker health and safety hazards, and disseminate health and safety guidance and resources to response and recovery workers. Minimize public exposure to environmental hazards through assessment of the hazards and implementation of public protective actions. Detect, assess, stabilize, and clean up releases of oil and hazardous materials into the environment, including buildings/structures, and properly manage waste. Identify, evaluate, and implement measures to prevent and minimize impacts to the environment, natural and cultural resources, and historic properties from all-hazard emergencies and response operations.

On-Scene Security, Protection, and Law Enforcement: Ensure a safe and secure environment through law enforcement and related security and protection operations for people and communities located within affected areas and also for response personnel engaged in lifesaving and life-sustaining operations. Establish a safe and secure environment in an affected area. Provide and maintain on-scene security and meet the protection needs of the affected population over a geographically dispersed area while eliminating or mitigating the risk of further damage to persons, property, and the environment.

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. Establish physical access through appropriate transportation corridors and deliver required resources to save lives and to meet the needs of disaster survivors. Ensure basic human needs are met, stabilize the incident, transition into recovery for an affected area, and restore basic services and community functionality. Clear debris from any route type (i.e., road, rail, airfield, port facility, waterway) to facilitate response operations.

Mass Care Services: Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies. Move and deliver resources and capabilities to meet the needs of disaster survivors, including individuals with access and functional needs. Establish, staff, and equip emergency shelters

and other temporary housing options (including accessible housing) for the affected population. Move from congregate care to non-congregate care alternatives and provide relocation assistance or interim housing solutions for families unable to return to their pre-disaster homes.

Operational Communications: Ensure the capacity for timely communications in support of security, situational awareness, and operations, by any and all means available, among and between affected communities in the impact area and all response forces. Ensure the capacity to communicate with both the emergency response community and the affected populations and establish interoperable voice and data communications between Federal, tribal, state, and local first responders.

Infrastructure Systems: Stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize systems and services to support a viable, resilient community. Re-establish critical infrastructure within the affected areas to support ongoing emergency response operations, life sustainment, community functionality, and a transition to recovery. Provide for the clearance, removal, and disposal of debris. This core capability includes the capability to address roadway impediments due to landslides and other events that impair/impede safe evacuation of the public.

The Core Capabilities and their associated Evaluation Criteria selected for demonstration by the jurisdictions establish the assessment objectives for the exercise. These Core Capabilities, when successfully demonstrated, meet the exercise objectives.

The objectives for this exercise were as follows:

Objective 1: Demonstrate the ability to provide direction and control and make protective action decisions through the state emergency operations centers, county emergency operations centers, and field activities by exercise play and discussion of plans and procedures.

Objective 2: Demonstrate the ability to make protective action decisions affecting state and county emergency workers and the public through exercise play and discussion of plans and procedures.

Objective 3: Demonstrate the ability to implement protective actions for state and county emergency workers and the public through exercise play and discussion of plans and procedures.

Objective 4: Demonstrate the ability to activate the prompt alert and notification system utilizing the primary notification system and the emergency alert system through exercise play and discussion of plans and procedures.

Objective 5: Demonstrate the effectiveness of plans, policies, and procedures in the joint information centers and the joint information system for public and private sector emergency information communications through exercise play and discussion of plans and procedures.

Objective 6: Demonstrate the ability to monitor, decontaminate, register, and shelter evacuees through exercise play and discussion of plans and procedures.

Objective 7: Demonstrate the ability to provide dose projection and protective action decision making for the plume phase.

Objective 8: Demonstrate the capacity for timely communications in support of security, situational awareness, and operations in accordance with the plan, procedures, and Extent-of-Play Agreement, among and between affected communities in the impact area and all response forces.

Objective 9: Demonstrate the capacity to stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize systems and services to support a viable, resilient

community. Demonstrate the capacity to 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.

Collectively, these nine Objectives successfully demonstrated the Core Capabilities and Evaluation Criteria selected by the jurisdictions in accordance with NUREG-0654/FEMA-REP-1 and the REP Program Manual (FEMA P-1028, dated January 2016).

SECTION 3: Analysis of Capabilities

3.1 SUMMARY RESULTS OF EXERCISE EVALUATION

This section provides a combined assessment of state and local jurisdictions based upon their collective demonstrated performance under the core capabilities associated with the exercise evaluation criteria described in Appendix E Extent-of-Play Agreements. It employs an integration of the Homeland Security Exercise Evaluation Program and REP Program evaluation methodologies – an analytical process used to assess the demonstration of specific capabilities during an exercise. A capability provides a means to perform one or more critical tasks under specified conditions and to specific performance standards. Core capabilities form the foundation of the National Preparedness System. The REP Program evaluation criteria provide the conditions and performance standards for establishing reasonable assurance that State and Local authorities can protect public health and safety in response to a nuclear power plant accident.

An overall summary of demonstrated capabilities is presented in Section 3.1, Tables 3.1.1 and 3.1.2, of this report. Criteria-specific narrative summaries are presented in Section 3.2 of the report. The narratives summarize observations made pursuant to the REP Program Evaluation Criteria used to assess the organizations and locations that were selected by the State of Minnesota and Sherburne and Wright County. The organizations, locations, and evaluation criteria selected by the State of Minnesota and Sherburne and Wright County are described in Appendix E, Extent-of-Play Agreements, which were approved by DHS/FEMA on July 16, 2021.

The results of the assessment are summarized below by Core Capability, as demonstrated during the August 10, 2021, MNGP REP, Full-Participation, Plume Exposure Pathway Exercise.

Operational Coordination: Key leadership personnel established and maintained a unified and coordinated operational structure which provided effective and responsive command, direction and control and coordination within and between the affected jurisdictions to meet basic human needs and stabilize the incident.

Critical stakeholders were appropriately integrated within the overall decision-making process, which enabled protective action recommendations to be evaluated in an appropriate and timely manner. This process included input from both relevant critical stakeholders and support personnel and took into account the safety and well-being of emergency workers and the general public and protecting property and infrastructure protective action decisions were made without undue delay.

Situational Assessment: Decision makers were provided with decision-relevant information regarding the nature and extent of the simulated radiological and other hazards, any cascading effects, and the status of the response. The State of Minnesota Homeland Security and Emergency Management Planning and Assessment Center demonstrated proficiency in the use of dose assessment software to calculate dose projections independent of the Monticello Nuclear Generating Plant's dose projections. The staff calculated hypothetical dose projections based on plant conditions, possible release scenarios, and Controller-injected field monitoring team data. Leadership was prepared to gather and deliver enhanced information to reinforce lifesaving and life-sustaining activities, if needed, and engage governmental and private sector resources within and outside of the affected area to meet basic human needs and stabilize the incident, as necessary.

Public Information and Warning: The jurisdictions, as a whole, demonstrated the ability to deliver coordinated, prompt, reliable and actionable information to the whole community through the use of

clear, consistent and accessible means. Accurate initial information and follow-up on instructions were made with the formulation of news releases being reviewed from the Joint Information System and briefings conducted at the State Emergency Operations Center. Alert and notification of the public and media was completed in a timely manner by simulated means of sounding of sirens, Emergency Alert System messaging, warning in state parks, news releases and media briefings. The simulated release of information via the aforementioned public information modes were consistent with protective action decisions and contained applicable and specific instructions relative to those decisions.

Environmental Response/Health and Safety: Appropriate measures were taken to ensure the protection of the health and safety of the public and workers, as well as the environment in support of responder operations and the affected communities. The availability of guidance and resources to address hazardous radiological materials was integrated in support of responder operations and the affected communities. State Liaisons assigned to the risk counties of Sherburne and Wright Emergency Operations Centers, communicated well with the State Emergency Operations Center to ensure that state protective action recommendations and county protective action decisions and responses were coordinated properly. Leadership identified, assessed, and mitigated worker health and safety hazards and disseminated health and safety guidance and resources to responders in accordance with the scenario, plans and procedures, and the extent-of-play agreements.

On-Scene Security and Protection: State and local law enforcement agencies demonstrated the capability to ensure a safe and secure environment through law enforcement and related security and protection operations for people and communities located within affected areas and also for response personnel who could have been directed to engage in lifesaving and life-sustaining operations. The implementation of traffic and access control was appropriately assessed and coordinated in a timely manner. On-scene security at Emergency Operations Centers, schools, reception centers and other facilities met protection requirements and eliminated or mitigated the risk of damage to persons, property, and the environment.

Critical Transportation: Officials demonstrated the capability to provide 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. School officials effectively demonstrated the ability to implement protective actions for affected local schools.

Mass Care Services: Congregate care center staff demonstrated the ability to provide life-sustaining services to affected populations with a focus on family reunification, feeding and sheltering. The American Red Cross, which manages all shelter operations under the REP Program, demonstrated the ability to provide resources, services and accommodations consistent with planning guidelines. They also demonstrated knowledge of the process, and to determine whether evacuees had been monitored for contamination and determined to be acceptable before entering congregate care facilities.

Operational Communications: Evaluation Criterion 1.d.1, which is the key criterion for this capability, was evaluated for applicable organizations and functional entities. Each applicable organization and location demonstrated the capacity for timely communications in support of security, situational awareness, and operations by primary and backup means, the ability to communicate with both the emergency response community and the affected populations, and to establish interoperable communications between Federal, state, and local all response groups and locations and between affected communities in the impact area.

Infrastructure Systems: Evaluation Criterion 3.d.2, which is the key criterion for this capability, was assessed pursuant to the capability of Sherburne and Wright Counties to address impediments to mass

evacuation. Sherburne and Wright Counties demonstrated the capability to address roadway impediments due to landslides and other events that impair/impede safe evacuation of the public.

3.2 EXERCISE EVALUATION AND RESULTS

Tables 3.2.1 through 3.2.6 present the results and findings of the evaluation of all jurisdictions and functional entities that participated in the MNGP Radiological Emergency Preparedness (REP), Full Participation, Plume Exposure Pathway Exercise and *ad hoc* demonstrations and interviews.

Each jurisdiction and functional entity was evaluated based on their demonstration of Core Capabilities and their equivalent REP Evaluation Criteria, as delineated in the Federal Emergency Management Agency REP Manual dated January 2016. Exercise criteria are listed by number, and the demonstration status of those criteria are indicated by the use of the following terms:

- M: Met (no unresolved Level 1 or Level 2 Findings were assessed, and there were no unresolved Findings from prior exercises)
- NA: Not Applicable
- NS: Not Selected (the criterion was not selected for demonstration)
- FC: Full Actual Incident Credit Received.
- PC: Full Actual Incident Credit Received.

Table 3.2.1 – Summary of Exercise Evaluation – State of Minnesota

DATE: August 10, 2021 SITE: Monticello Nuclear Generating Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	CRITERION	State EOC	Planning and Assessment Center	PIO – JIC Media Briefings	Public Information Officer - JIC	Regional Program Coordinator - Sherburne County	Regional Program Coordinator - Wright County
Emergency Operations Management							
Mobilization	1a1	FC	M	NS	M	M	M
Facilities	1b1	NS	NS	NS	NS	NA	NA
Direction and Control	1c1	FC	M	M	NS	M	M
Communications Equipment	1d1	FC	M	M	NS	NS	NS
Equipment and Supplies to Support Operations	1e1	FC	M	NS	M	NS	NS
Protective Action Decision-Making							
EW Exposure Control Decisions	2a1	M	M	NA	NA	NA	NA
PARs	2b1	NS	M	NA	NA	NA	NA
PADs	2b2	M	M	NA	NA	NA	NA
PADs for Disabled/Functional Needs	2c1	FC	NS	NA	NA	NA	NA
Ingestion PADs	2d1	NS	NS	NA	NA	NA	NA
RRR Decisions	2e1	NS	NS	NA	NA	NA	NA
Protective Action Implementation							
EW Exposure Control Implementation	3a1	M	M	NA	NA	NA	NA
KI Public/Institutionalized	3b1	M	NS	NA	NA	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NS	NS	NA	NA	NA	NA
PAD Implementation Schools	3c2	M	NS	NA	NA	NA	NA
TACP Establishment	3d1	FC	NS	NA	NA	NA	NA
Impediments	3d2	NS	NS	NA	NA	NA	NA
Implement Ingestion PADs	3e1	NS	NS	NA	NA	NA	NA
Ingestion Pathway Decisions	3e2	NS	NS	NA	NA	NA	NA
Implementation of RRR Decisions	3f1	NS	NS	NA	NA	NA	NA
Field Measurement and Analysis							
RESERVED	4a1	NA	NA	NA	NA	NA	NA
Field Team Management	4a2	NS	NA	NA	NA	NA	NA
Field Team Operations	4a3	NS	NA	NA	NA	NA	NA
Field Team Sampling	4b1	NS	NA	NA	NA	NA	NA
Laboratory Operations	4c1	NS	NA	NA	NA	NA	NA
Emergency Notification and Public Info							
Initial Alert & Notification	5a1	NS	M	NS	NS	M	M
RESERVED	5a2	NA	NA	NA	NA	NA	NA
Backup Alert & Notification	5a3	NA	NA	NS	NS	NA	NA
Exception Area Alerting	5a4	NA	NA	NS	NS	NA	NA
Subsequent Information & Instructions	5b1	NA	NA	M	M	NA	NA
Support Operations and Facilities							
Reception Center Operations	6a1	NA	NA	NA	NA	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA	NA	NA	NA	NA
Congregate Care	6c1	NA	NA	NA	NA	NA	NA
Contaminated Injured Transport & Care	6d1	NA	NA	NA	NA	NA	NA

**Table 3.2.2 – Summary of Exercise Evaluation – State of Minnesota
Out-of-Sequence Activities**

DATE: August 10, 2021 SITE: Monticello Nuclear Generating Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Full Credit (Actual Incident)	CRITERION	Command Van – Field Teams	RAD Field Team #1	RAD Field Team #2	EAS Demonstration	Traffic Impediment	EW Exposure Control Brief/Interview	St. Cloud Hospital MS-1 Facility	St. Cloud Ambulance MS-1 Transportation	North Memorial Hospital MS-1 Facility	North Memorial Hospital MS-1 Transportation
Emergency Operations Management											
Mobilization	1a1	M	M	M	NA	NA	NA	NS	NS	NS	NS
Facilities	1b1	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Direction and Control	1c1	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Communications Equipment	1d1	M	M	M	NA	NA	NA	NS	NS	NS	NS
Equipment and Supplies to Support Operations	1e1	M	M	M	NA	NA	NS	M	M	M	M
Protective Action Decision-Making											
EW Exposure Control Decisions	2a1	M	M	M	NA	NA	NA	NA	NA	NA	NA
PARs	2b1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PADs	2b2	M	M	M	NA	NA	NA	NA	NA	NA	NA
PADs for Disabled/Functional Needs	2c1	M	M	M	NA	NA	NA	NA	NA	NA	NA
Ingestion PADs	2d1	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
RRR Decisions	2e1	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Protective Action Implementation											
EW Exposure Control Implementation	3a1	M	M	M	NA	NA	M	M	M	M	M
KI Public/Institutionalized	3b1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAD Implementation Schools	3c2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TACP Establishment	3d1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Impediments	3d2	NA	NA	NA	NA	M	NA	NA	NA	NA	NA
Implement Ingestion PADs	3e1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ingestion Pathway Decisions	3e2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Implementation of RRR Decisions	3f1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurement and Analysis											
RESERVED	4a1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Team Management	4a2	M	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Team Operations	4a3	NS	M	M	NA	NA	NA	NA	NA	NA	NA
Field Team Sampling	4b1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Laboratory Operations	4c1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Emergency Notification and Public Info											
Initial Alert & Notification	5a1	NA	NA	NA	M	NA	NA	NA	NA	NA	NA
RESERVED	5a2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Backup Alert & Notification	5a3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Exception Area Alerting	5a4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Subsequent Information & Instructions	5b1	NA	NA	NA	M	NA	NA	NA	NA	NA	NA
Support Operations and Facilities											
Reception Center Operations	6a1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congregate Care	6c1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Contaminated Injured Transport & Care	6d1	NA	NA	NA	NA	NA	NA	M	M	M	M

Table 3.2.3 – Summary of Exercise Evaluation – Sherburne County

DATE: August 10, 2021 SITE: Monticello Nuclear Generating Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	CRITERION	EOC
Emergency Operations Management		
Mobilization	1a1	FC
Facilities	1b1	NS
Direction and Control	1c1	FC
Communications Equipment	1d1	FC
Equipment and Supplies to Support Operations	1e1	FC
Protective Action Decision-Making		
EW Exposure Control Decisions	2a1	M
PARs	2b1	NA
PADs	2b2	M
PADs for Disabled/Functional Needs	2c1	FC
Ingestion PADs	2d1	NA
RRR Decisions	2e1	NS
Protective Action Implementation		
EW Exposure Control Implementation	3a1	M
KI Public/Institutionalized	3b1	M
PAD Implementation Disabled/Functional Needs	3c1	NS
PAD Implementation Schools	3c2	M
TACP Establishment	3d1	FC
Impediments	3d2	NS
Implement Ingestion PADs	3e1	NA
Ingestion Pathway Decisions	3e2	NA
Implementation of RRR Decisions	3f1	NS
Field Measurement and Analysis		
RESERVED	4a1	NA
Field Team Management	4a2	NA
Field Team Operations	4a3	NA
Field Team Sampling	4b1	NA
Laboratory Operations	4c1	NA
Emergency Notification and Public Info		
Initial Alert & Notification	5a1	M
RESERVED	5a2	NA
Backup Alert & Notification	5a3	NS
Exception Area Alerting	5a4	NA
Subsequent Information & Instructions	5b1	M
Support Operations and Facilities		
Reception Center Operations	6a1	NA
EW Monitoring & Decontamination	6b1	NA
Congregate Care	6c1	NA
Contaminated Injured Transport & Care	6d1	NA

**Table 3.2.4 – Summary of Exercise Evaluation– Sherburne County
Out-of-Sequence Activities**

DATE: August 10, 2021 SITE: Monticello Nuclear Generating Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	CRITERION	Traffic Impediment	EW Exposure Control Brief/Interview
Emergency Operations Management			
Mobilization	1a1	NA	NA
Facilities	1b1	NA	NA
Direction and Control	1c1	NA	NA
Communications Equipment	1d1	NA	NA
Equipment and Supplies to Support Operations	1e1	NA	NS
Protective Action Decision-Making			
EW Exposure Control Decisions	2a1	NA	NA
PARs	2b1	NA	NA
PADs	2b2	NA	NA
PADs for Disabled/Functional Needs	2c1	NA	NA
Ingestion PADs	2d1	NA	NA
RRR Decisions	2e1	NA	NA
Protective Action Implementation			
EW Exposure Control Implementation	3a1	NA	M
KI Public/Institutionalized	3b1	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NA	NA
PAD Implementation Schools	3c2	NA	NA
TACP Establishment	3d1	NA	NA
Impediments	3d2	M	NA
Implement Ingestion PADs	3e1	NA	NA
Ingestion Pathway Decisions	3e2	NA	NA
Implementation of RRR Decisions	3f1	NA	NA
Field Measurement and Analysis			
RESERVED	4a1	NA	NA
Field Team Management	4a2	NA	NA
Field Team Operations	4a3	NA	NA
Field Team Sampling	4b1	NA	NA
Laboratory Operations	4c1	NA	NA
Emergency Notification and Public Info			
Initial Alert & Notification	5a1	NA	NA
RESERVED	5a2	NA	NA
Backup Alert & Notification	5a3	NA	NA
Exception Area Alerting	5a4	NA	NA
Subsequent Information & Instructions	5b1	NA	NA
Support Operations and Facilities			
Reception Center Operations	6a1	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA
Congregate Care	6c1	NA	NA
Contaminated Injured Transport & Care	6d1	NA	NA

Table 3.2.3 – Summary of Exercise Evaluation – Wright County

DATE: August 10, 2021 SITE: Monticello Nuclear Generating Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Full Credit (Actual Incident)	CRITERION	EOC
Emergency Operations Management		
Mobilization	1a1	FC
Facilities	1b1	NS
Direction and Control	1c1	FC
Communications Equipment	1d1	FC
Equipment and Supplies to Support Operations	1e1	FC
Protective Action Decision-Making		
EW Exposure Control Decisions	2a1	M
PARs	2b1	NA
PADs	2b2	M
PADs for Disabled/Functional Needs	2c1	FC
Ingestion PADs	2d1	NA
RRR Decisions	2e1	NS
Protective Action Implementation		
EW Exposure Control Implementation	3a1	M
KI Public/Institutionalized	3b1	M
PAD Implementation Disabled/Functional Needs	3c1	M
PAD Implementation Schools	3c2	M
TACP Establishment	3d1	FC
Impediments	3d2	NS
Implement Ingestion PADs	3e1	NA
Ingestion Pathway Decisions	3e2	NA
Implementation of RRR Decisions	3f1	NS
Field Measurement and Analysis		
RESERVED	4a1	NA
Field Team Management	4a2	NA
Field Team Operations	4a3	NA
Field Team Sampling	4b1	NA
Laboratory Operations	4c1	NA
Emergency Notification and Public Info		
Initial Alert & Notification	5a1	M
RESERVED	5a2	NA
Backup Alert & Notification	5a3	NS
Exception Area Alerting	5a4	NA
Subsequent Information & Instructions	5b1	M
Support Operations and Facilities		
Reception Center Operations	6a1	NA
EW Monitoring & Decontamination	6b1	NA
Congregate Care	6c1	NA
Contaminated Injured Transport & Care	6d1	NA

**Table 3.2.6 – Summary of Exercise Evaluation– Wright County
Out-of-Sequence Activities**

DATE: August 10, 2021 SITE: Monticello Nuclear Generating Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	CRITERION	Traffic Impediment	EW Exposure Control Brief/Interview
Emergency Operations Management			
Mobilization	1a1	NA	NA
Facilities	1b1	NA	NA
Direction and Control	1c1	NA	NA
Communications Equipment	1d1	NA	NA
Equipment and Supplies to Support Operations	1e1	NA	NS
Protective Action Decision-Making			
EW Exposure Control Decisions	2a1	NA	NA
PARs	2b1	NA	NA
PADs	2b2	NA	NA
PADs for Disabled/Functional Needs	2c1	NA	NA
Ingestion PADs	2d1	NA	NA
RRR Decisions	2e1	NA	NA
Protective Action Implementation			
EW Exposure Control Implementation	3a1	NA	M
KI Public/Institutionalized	3b1	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NA	NA
PAD Implementation Schools	3c2	NA	NA
TACP Establishment	3d1	NA	NA
Impediments	3d2	M	NA
Implement Ingestion PADs	3e1	NA	NA
Ingestion Pathway Decisions	3e2	NA	NA
Implementation of RRR Decisions	3f1	NA	NA
Field Measurement and Analysis			
RESERVED	4a1	NA	NA
Field Team Management	4a2	NA	NA
Field Team Operations	4a3	NA	NA
Field Team Sampling	4b1	NA	NA
Laboratory Operations	4c1	NA	NA
Emergency Notification and Public Info			
Initial Alert & Notification	5a1	NA	NA
RESERVED	5a2	NA	NA
Backup Alert & Notification	5a3	NA	NA
Exception Area Alerting	5a4	NA	NA
Subsequent Information & Instructions	5b1	NA	NA
Support Operations and Facilities			
Reception Center Operations	6a1	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA
Congregate Care	6c1	NA	NA
Contaminated Injured Transport & Care	6d1	NA	NA

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3.3 JURISDICTIONAL SUMMARY OF EXERCISE EVALUATION RESULTS

The following sections present narrative summaries that describe observations made during the exercise pursuant to the Evaluation Criteria and Core Capabilities demonstrated at each jurisdiction's response locations. Narrative summaries are organized by Jurisdiction, Location, Assessed Core Capability, and the Evaluation Criterion discussed in the Appendix E Extent-of-Play Agreements. The results of the assessments are summarized in Tables 3.2.1 through 3.2.6

3.3.1 State of Minnesota

3.3.1.1 State of Minnesota Emergency Operations Center

Criterion 2.a.1 – Core Capability: Operations Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Public and Private Services and Resources

Criterion 3.c.2 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Environmental Response/Health and Safety

3.3.1.2 Planning and Assessment Center

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 2.a.1 – Core Capability: Operations Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.1 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Public and Private Services and Resources

Criterion 5.a.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

3.3.1.3 State of Minnesota PIO – JIC Media Briefings

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Communications

3.3.1.4 Public Information Officer – JIC

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Communications

3.3.1.5 State of Minnesota Regional Program Coordinator – Sherburne County

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 5.a.1– Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

3.3.1.6 State of Minnesota Regional Program Coordinator – Wright County

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 5.a.1– Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

3.3.2 State of Minnesota Out-of-Sequence Demonstrations

3.3.2.1 State of Minnesota Command Van – Maple Grove Fire Station

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 4.a.2 – Core Capability: Operational Coordination

Core Capability: Situational Assessment

3.3.2.2 State of Minnesota RAD Field Team #1 – Maple Grove Fire Station

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 4.a.3 – Core Capability: Environmental Response/Health and Safety

3.3.2.3 State of Minnesota RAD Field Team #2 – Maple Grove Fire Station

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 4.a.3 – Core Capability: Environmental Response/Health and Safety

3.3.2.4 St. Cloud Hospital – Facility

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety
Core Capability: Public Health and Medical Services

3.3.2.5 St. Cloud Hospital – Transportation

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety
Core Capability: Mass Care Services
Core Capability: Public & Private Services and Resources
Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety
Core Capability: Public Health and Medical Services

3.3.2.6 North Memorial Medical – Facility

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety
Core Capability: Mass Care Services
Core Capability: Public & Private Services and Resources
Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety
Core Capability: Public Health and Medical Services

3.3.2.7 North Memorial Medical – Transportation

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety
Core Capability: Mass Care Services
Core Capability: Public & Private Services and Resources
Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety
Core Capability: Public Health and Medical Services

3.3.2.8 State of Minnesota Emergency Worker Exposure Control Briefing/Interview

Criterion 3.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety

3.3.2.9 State of Minnesota EAS Demonstration

Criterion 5.a.1– Core Capability: Public Information and Warning
Core Capability: Operational Coordination
Core Capability: Operational Communications

Criterion 5.b.1 – Core Capability: Public Information and Warning
Core Capability: Operational Communications

3.3.2.10 State of Minnesota TACP Impediment

Criterion 3.d.2 – Core Capability: Operational Coordination
Core Capability: Critical Transportation
Core Capability: Infrastructure Systems

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for the State of Minnesota is as follows:

- a. MET: All Core Capabilities and Evaluation Criteria identified in the DHS/FEMA-approved extent-of-play agreement.
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.3 Risk Jurisdiction – Sherburne County

3.3.3.1 Sherburne County EOC

Criterion 2.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety
Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination
Core Capability: Intelligence and Information Sharing
Core Capability: Environmental Response/Health and Safety
Core Capability: Operational Communications
Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety

Criterion 3.b.1 – Core Capability: Public Information and Warning
Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety
Core Capability: Public and Private Services and Resources

Criterion 3.c.2 – Core Capability: Operational Coordination
Core Capability: Critical Transportation
Core Capability: Environmental Response/Health and Safety

Criterion 5.a.1 – Core Capability: Public Information and Warning
Core Capability: Operational Coordination
Core Capability: Operational Communications

Criterion 5.b.1 – Core Capability: Public Information and Warning
Core Capability: Operational Communications

3.3.4 Sherburne County Out-of-Sequence Demonstrations

3.3.4.1 Sherburne County TACP Impediment

Criterion 3.d.2 – Core Capability: Operational Coordination
Core Capability: Critical Transportation
Core Capability: Infrastructure Systems

3.3.4.2 Sherburne County Emergency Worker Exposure Control Briefing/Interview

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for Sherburne County is as follows:

- a. MET: All Core Capabilities and Evaluation Criteria identified in the DHS/FEMA-approved
- b. extent-of-play agreement.
- c. LEVEL 1 FINDINGS: NONE
- d. LEVEL 2 FINDINGS: NONE
- e. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.4 Risk Jurisdiction – Wright County

3.3.4.1 Wright County EOC

Criterion 2.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Public and Private Services and Resources

Criterion 3.c.2 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Environmental Response/Health and Safety

Criterion 5.a.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

Criterion 5.b.1 – Core Capability: Public Information and Warning
Core Capability: Operational Communications

3.3.5 Wright County Out-of-Sequence Demonstrations

3.3.5.1 Wright County TACP Impediment

Criterion 3.d.2 – Core Capability: Operational Coordination
Core Capability: Critical Transportation
Core Capability: Infrastructure Systems

3.3.5.2 Wright County Emergency Worker Exposure Control Briefing/Interview

Criterion 3.a.1 – Core Capability: Operational Coordination
Core Capability: Environmental Response/Health and Safety

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for Wright County is as follows:

- a. MET: All Core Capabilities and Evaluation Criteria identified in the DHS/FEMA-approved extent-of-play agreement.
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

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SECTION 4: Conclusion

The DHS/FEMA evaluation team identified no Findings and no Plan Issues for the State of Minnesota and for Sherburne and Wright Counties during the 2021 MNGP Exercise. The ongoing COVID-19 Public Health Emergency and other disasters that occurred during 2020 presented the State of Minnesota and Sherburne and Wright Counties with substantial logistical and communications challenges for simultaneously developing and implementing a successful commercial nuclear power plant exercise. The response to these challenges and the results of the exercise are discussed in Appendix A of this After Action Report/Improvement Plan.

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.

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APPENDIX A: Improvement Plan

This appendix summarizes the results from the of the evaluation of all jurisdictions and functional entities that participated in August 10, 2021, Monticello Nuclear Generating Plant (MNGP), Radiological Emergency Preparedness Full Participation, Plume Exposure Pathway Exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone (EPZ) surrounding the MNGP, recommended corrective actions, and a schedule of corrective actions for the identified primary responsible agency.

The U. S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) evaluation team identified no Level 1 or Level 2 Findings and no Plan Issues for the State of Minnesota and for Sherburne and Wright Counties during the 2021 MNGP exercise.

The ongoing COVID-19 Public Health Emergency and other disasters that occurred during 2020-2021 presented the State of Minnesota and Sherburne and Wright Counties with substantial logistical and communications challenges for simultaneously developing and implementing a successful commercial nuclear power plant exercise plan in a combined virtual and physical environment. Travel and social distancing restrictions made it necessary to adopt and adapt virtual technologies to conduct the exercise and assess demonstration activities remotely.

Best Practices

The exercise was evaluated virtually using Microsoft Teams[®] and ZOOM[®] collaboration software. In collaboration with DHS/FEMA Region V, Microsoft Teams[®] software was configured by the State of Minnesota Homeland Security and Emergency Management and Sherburne and Wright Counties to establish multiple Channels, each with audio/visual, chat, and exercise-related document sharing features. Electronic mail and cellphone voice and texting modalities were also used to support the exercise. The use of computer-based audio-visual collaboration software, email, and cellular telephone-facilitated voice and text communications allowed DHS/FEMA evaluation teams to remotely observe demonstration activities at multiple locations and access exercise documentation in real time.

This exercise also involved approval of REP Actual Incident Credit for documented state and local response to the COVID-19 Public Health Emergency and other declared disasters. The approval of Full and Full Actual Incident Credit required Offsite Response Organizations to submit documentation substantiating demonstration capabilities consistent with NUREG-0654 FEMA-REP-1, Rev. 1, and FEMA P-1028 REP Program Manual guidance. Assessment credit was approved for response actions that met REP Program capability targets and provided reasonable assurance for protecting public health and safety.

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APPENDIX B: Exercise Timeline

Date and Site: August 10, 2021 – Monticello Nuclear Generating Plant – All Times in Central Daylight Time

Emergency Classification Level or Event	Time Utility Declared	State of Minnesota	Planning & Assessment Center	Joint Information Center	Wright County	Sherburne County
Unusual Event	0756	0800	0825	0800	0810	0815
Alert	0834	0900	0846	0900	0900	0900
Site Area Emergency	1024	1039	1039	1039	1040	1048
General Emergency	1121	1150	1132	1150	1143	1143
Release of Radioactive Material Started	1121	1150	1132	1150	1143	1143
Release of Radioactive Material Terminated	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0900	0900	0900	0847	0850
Declaration of State/Local Emergency		N/A	N/A	N/A	1115	1115
Exercise Termination		1322	1320	1322	1323	1322
General Information Message: <Public advised of incident at Monticello Nuclear Generating Plant>		0902	0902	0902	0914	0914
Early Precautionary Action Decision: <The State issued a Livestock Advisory: All Livestock are to be sheltered and placed on stored feed and water within the 50-mile EPZ.>		1108	1120	1108	1122	1113
Early Precautionary Action Decision: <Evacuate Schools and/or Special Populations.>		1108	1108	1108	1114	1121
KI Administration Emergency Workers and Immobile Populations Decision/Implementation: PAC /Counties		1146	1146	1146	1146	1158
Early Precautionary Action Decision: <The State issued an order to evacuate State parks and hunting areas.>		1108	1108	1108	1108	1108
Early Precautionary Action Decision: <The State issued an Air, Rail and Water Restriction precautionary decision.>		1108	1108	1108	1108	1108

Date and Site: August 10, 2021 – Monticello Nuclear Generating Plant [Continued]

Emergency Classification Level or Event	Time Utility Declared	State of Minnesota	Planning & Assessment Center	Joint Information Center	Wright County	Sherburne County
Protective Action Recommendation:		N/A	1211	N/A	N/A	N/A
Protective Action Decision:		1214	1214	1214	1214	1214
KI Administration General Population		1214	1214	1214	1214	1214
Siren Activation:		1224	1224	1224	1224	1224
EAS Message:		1227	1227	1227	1227	1227

APPENDIX C: Exercise Evaluation Team

SITE: Monticello Nuclear Generating Plant

EXERCISE DATE: August 10, 2021

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	David Persaud	DHS/FEMA
Team Leader – Sherburne County	Edward Diaz	DHS/FEMA
Team Leader – Wright County	Debra Schneck	DHS/FEMA

Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
State of Minnesota – Out-of-Sequence		
Minnesota – State Command Van Field Teams	John Wills	ICF
Minnesota – Field Team #1	Mike Howe	DHS/FEMA
Minnesota – Field Team #2	Reggie Rodgers	ICF
Minnesota – EAS Demonstration	Kent Tosch	ICF
Minnesota – Traffic Impediment	Kent Tosch	ICF
Minnesota – Emergency Worker Exposure Control Brief/Interview	Kent Tosch	ICF
Minnesota – St. Cloud Hospital Facility – MS-1	Richard Smith	ICF
Minnesota – St. Cloud Ambulance Transportation – MS-1	Thomas Gahan	ICF
Minnesota – North Memorial Facility – MS-1	Gary Goldberg	ICF
Minnesota – North Memorial Ambulance Transportation – MS-1	Lynn Steffensen	ICF

Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
State of Minnesota		
Minnesota – SEOC	Terry Blackmon	ICF
Minnesota – SEOC	Rosemary Samsel	ICF
Minnesota – Planning and Assessment Center	James Hickey	ICF
Minnesota – Planning and Assessment Center	John Wills	ICF
Minnesota – PIO at Joint Information Center Media Briefings	Michael Meshenberg	ICF
Minnesota – PIO at Joint Information Center	Meg Swearingen	ICF
Minnesota – Regional Program Coordinator Sherburne County	Edward Diaz	DHS/FEMA
Minnesota – Regional Program Coordinator Wright County	Debra Schneck	DHS/FEMA

Evaluated Off-Site Response Organizations/Locations	Evaluator	Agency/ Organization
Sherburne County – Out-of-Sequence		
Sherburne County – Traffic Impediment	Michael Meshenberg	ICF
Sherburne County – Emergency Worker Exposure Control Brief/Interview	Meg Swearingen	ICF

Evaluated Off-Site Response Organizations/Locations	Evaluator	Agency/ Organization
Sherburne County		
Sherburne County – EOC	Angela Cloutier	DHS/FEMA
Sherburne County – EOC	Brett Beardsley	DHS/FEMA

Evaluated Off-Site Response Organizations/Locations	Evaluator	Agency/ Organization
Wright County – Out-of-Sequence		
Wright County – EOC	Karl Rabenhorst	DHS/FEMA
Wright County – EOC	Rebecca Thomson	ICF

Evaluated Off-Site Response Organizations/Locations	Evaluator	Agency/ Organization
Wright County		
Wright County – Traffic Impediment	Rosemary Samsel	ICF
Wright County – Emergency Worker Exposure Control Brief/Interview	Rosemary Samsel	ICF

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APPENDIX D: Acronyms

ACRONYM	DESCRIPTION
AAR/IP	After Action Report/Improvement Plan
CDT	Central Daylight Time
CFR	Code of Federal Regulations
cpm	counts per minute
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
EPZ	Emergency Planning Zone
EW	Emergency Worker
FD	Fire Department
FEMA	Federal Emergency Management Agency
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
mR	milliRoentgen(s)
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)
PAC	Planning and Assessment Center
PAD	Protective Action Decision
PAR	Protective Action Recommendations
REP	Radiological Emergency Preparedness

UNCLASSIFIED
Radiological Emergency Preparedness (REP) Program

After Action Report/Improvement Plan

Monticello Nuclear Generating Plant

ACRONYM	DESCRIPTION
PINGP	Prairie Island Nuclear Generating Plant
PIO	Public Information Officer
PPE	Personal Protective Equipment
PRD	Permanent Record Dosimeter
R	Roentgen
RAC	Regional Assistance Committee
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RO	Radiological Officer
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
TEDE	Total Effective Dose Equivalent
TLD	Thermoluminescent Dosimeter

APPENDIX E: Extent-of-Play Agreements

2021 Monticello Nuclear Generating Plant Plume Phase Exercise Extent-of-Play Agreement State of Minnesota, Sherburne County, and Wright County

The Monticello Nuclear Generating Plant Exercise will take place August 10th. The exercise will consist of virtual demonstrations using Zoom – The platform will not be evaluated.

Upcoming Events

Date	Time	Event
7/29/2021	0800	Field Team TTX/Demonstration Exercise
8/09/2021	1300	FEMA Entrance Meeting
8/10/2021	0700	State of Minnesota EAS Demonstration
8/10/2021	1430	Traffic Impediment Table Top Exercise State of Minnesota
8/11/2021	0900	Sherburne County Table Top Exercise on Emergency Worker Exceeding Dose, Traffic Impediments and Emergency Worker Briefing Interview
8/11/2021	1400	Wright County Table Top Exercises on Emergency Worker Exceeding Dose, Traffic Impediments and Emergency Worker Briefing Interview
8/12/2021	0900	North Memorial Hospital and Ambulance Exercise
8/12/2021	1100	St. Cloud Hospital and Ambulance Exercise
8/13/2021	0900	FEMA Player Exit Meeting
8/13/2021	1000	FEMA Media Exit Meeting
9/17/2021	1130	Fairview Northland Medical Center and Ambulance Exercise

PREVIOUS EXERCISE FINDINGS AND PLAN ISSUES

State of Minnesota, Wright and Sherburne County

There are no unresolved findings.

CREDIT FOR THE COVID RESPONSE

State of Minnesota

The State of Minnesota received credit for 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.c.1, 3.c.1 3.d.1, 5.b.1 (partial credit for hotline)

Wright County

Wright County received credit for 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.c.1, 3.c.1 (not selected), 3.d.1, 5.b.1.

Sherburne County

Sherburne County received credit for 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.c.1, 3.c.1 (not selected), and 3.d.1 and 5.b.1.

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

SUB-ELEMENT 1.a - Mobilization

Criterion 1.a.1: OROs use effective procedures to alert, notify, and mobilize emergency personnel and activate facilities in a timely manner.

State of Minnesota

The State of Minnesota received credit for activating their EOC due to the Covid response.

The exercise will begin with all participants, evaluators and controllers logging into Zoom. Once everyone has logged in, a controller will give some relevant background information to brief the players then release them into their breakout rooms to begin the exercise.

Wright County and Sherburne County

The counties received credit for activating their EOCs due to the Covid response

SUB-ELEMENT 1.b - Facilities

Criterion 1.b.1: Facilities are sufficient to support the emergency response.

State of Minnesota, Wright County, Sherburne County

This criterion is not selected for evaluation.

SUB-ELEMENT 1.c - Direction and Control

Criterion 1.c.1: Key personnel with leadership roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible.

State of Minnesota, Wright County and Sherburne County

Direction and control was demonstrated for the Covid Response

SUB-ELEMENT 1.d - Communications Equipment

Criterion 1.d.1: At least two communication systems are available, at least one operates properly, and communication links are established and maintained with appropriate locations. Communications capabilities are managed in support of emergency operations.

State of Minnesota, Wright and Sherburne County

The State of Minnesota and the counties received credit for this criterion due to their Covid response.

SUB-ELEMENT 1.e - Equipment and Supplies to Support Operations

Criterion 1.e.1: Equipment, maps, displays, dosimetry, KI, and other supplies are sufficient to support emergency operations.

State of Minnesota, Wright and Sherburne County

The State of Minnesota and the counties received credit for this criterion due to their Covid response and the State has supplied this information in the annual letter of certification. The hospitals and FMT equipment will be evaluated during the table top demonstration with each entity.

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION-MAKING

SUB-ELEMENT 2.a – Emergency Worker Exposure Control

Criterion 2.a.1: OROs use a decision-making process, considering relevant factors and appropriate coordination, to ensure that an exposure control system, including the use of KI, is in place for emergency workers, including provisions to authorize radiation exposure in excess of administrative limits or PAGs.

State of Minnesota

Field Teams inside the 10-mile EPZ have a radiation dose limit of 5 rem with a turn back limit of 1 R as read on their dosimeter. The Planning Chief may authorize radiation exposure to emergency workers in excess of the administrative limit in accordance with standard operating guidelines.

Emergency Worker Exceeding Dose Limit will be demonstrated out of sequence following the completion of the exercise. Play will be conducted as an interview/tabletop between the state and each county individually on the Zoom platform.

When the decision to administer KI to emergency workers in the Emergency Planning Zone (EPZ) is made (or controller data is injected), the Planning section will recommend to the State Incident Manager (SIM) and the Operations Chief that field operations staff take KI (simulated). State Patrol personnel receive their kits at County EOCs per procedure.

Note: *at a General Emergency, all emergency workers are advised to take potassium iodide (KI).*

Wright County, Sherburne County

The Wright and Sherburne County Radiological Officers may instruct county emergency workers to take KI after the recommendation is made by the SEOC

Planning and Assessment Center (PAC) or this process may be conducted through an interview with the evaluator.

All emergency workers inside the 10-mile EPZ have a radiation dose limit of 5 rem and a turnback limit of 1 R.

Emergency Worker Exceeding Dose Limit will be demonstrated out of sequence following the completion of the exercise. Play will be conducted as an interview/tabletop between the state and each county individually on the Zoom platform.

SUB-ELEMENT 2.b – Dose Assessment & PARs & PADs for the Emergency Event

Criterion 2.b.1: Appropriate PARs are based on available information on plant condition, field monitoring data, and licensee and ORO dose projections, as well as knowledge of onsite and offsite environmental conditions.

State of Minnesota

The Planning and Assessment Center will evaluate the information from the Monticello Nuclear Generating Plant and complete an independent assessment based on the information they receive and simulated field-monitoring data from the State RAD Teams. The PAC will then develop a Protective Action Recommendation to be approved by the Governor's Authorized Representative (GAR).

Wright County, Sherburne County

This is a State function, the counties will not demonstrate this criterion.

Criterion 2.b.2: A decision-making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public (including the recommendation for the use of KI, if ORO policy).

State of Minnesota

The Governor's Authorized Representative (GAR) will demonstrate the ability to make appropriate protective action decisions based on a recommendation from the State Incident Manager and the Planning Chief. Decision-making for incidents at the Monticello Nuclear Generating Plant is the responsibility of the Governor or GAR as outlined in state statute.

KI is pre-distributed on a voluntary basis to members of the general public living in the Monticello Nuclear Generating Plant 10-mile EPZ. A standing order from the Minnesota Department of Health authorizes the secondary protective action of taking KI when directed to evacuate or shelter-in-place in the affected areas at the General Emergency. KI is not distributed post incident and is not available at reception centers. The call to CVS pharmacies located within Target stores will be simulated at the Alert ECL to stop KI distribution.

Wright County, Sherburne County

Wright and Sherburne Counties will participate in the protective action decision process during the exercise in accordance with the state's PAD process. This includes concurrence and coordination between the Minnesota SEOC, Wright County and Sherburne County.

SUB-ELEMENT 2.c – PADs for the Protection of persons with disabilities and access/functional needs

Criterion 2.c.1: PADs are made, as appropriate, for groups of people with disabilities and those with access/functional needs.

State of Minnesota, Wright County, Sherburne County

The State of Minnesota and the counties received credit for this criterion due to their Covid response.

SUB-ELEMENT 2.d – Radiological Assessment and Decision-Making for the Ingestion Exposure Pathway

Criterion 2.d.1: Radiological consequences for the ingestion pathway are assessed and appropriate PADs are made based on the ORO planning criteria.

State of Minnesota, Wright, Sherburne and Ingestion Counties

This criterion is not selected for evaluation.

SUB-ELEMENT 2.e – Radiological Assessment & Decision-making Concerning Post-Plume Phase Relocation, Re-entry, and Return

Criterion 2.e.1: Timely post-plume phase relocation, re-entry, and return decisions are made and coordinated as appropriate, based on assessments of radiological conditions and criteria in the ORO's plan and/or procedures.

State of Minnesota, Wright, Sherburne and Ingestion Counties

This criterion is not selected for evaluation.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

SUB-ELEMENT 3.a – Implementation of Emergency Worker Exposure Control

Criterion 3.a.1: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

State of Minnesota, Wright, Sherburne County

All emergency workers will demonstrate appropriate use of dosimetry, turn back limits and record keeping in accordance with their established procedures/guidelines. Participants will demonstrate the capability to accomplish distribution of KI to emergency workers consistent with decisions made. Emergency workers will demonstrate basic knowledge of procedures for using KI. These tasks will be accomplished in a separate (virtual out-of-sequence exercise) by an interview with the evaluator.

Separate virtual interviews will be conducted for the hospitals, EMS, Wright and Sherburne Counties. Two emergency workers will receive an emergency worker briefing by a controller or a county rad officer then will be interviewed separately by an evaluator. Emergency Worker briefings may be obtained in one of three ways: a verbal briefing, read and sign form within the Emergency Worker Handbooks as well as watching the video.

SUB-ELEMENT 3.b – Implementation of KI Decision for Institutionalized Individuals and the Public

Criterion 3.b.1: KI and appropriate instructions are made available in case a decision to recommend use of KI is made. Appropriate record keeping of the administration of KI for institutionalized individuals and the general public is maintained.

State of Minnesota

Minnesota has made KI available to institutionalized individuals and it has been pre-distributed to the general public on a voluntary basis through designated CVS pharmacies at Target stores. Distribution of KI is stopped at the Alert ECL. For evaluation purposes, the actual ingestion of KI will not be performed and will be conducted by interview virtually. The State of Minnesota can provide the necessary forms to the evaluators. Minnesota has disseminated instructions on using KI for those advised to take it.

Wright and Sherburne County

Wright and Sherburne Counties will demonstrate the capability to accomplish the distribution of KI consistent with decisions made. They will demonstrate the ability to develop and maintain lists of institutionalized individuals who have ingested KI, including documentation of the date(s) and time(s) they were instructed to ingest KI. For evaluation purposes, this will be conducted by interview virtually and the counties can provide the necessary forms to the evaluators.

Evaluation of the Wright County Jail response will be conducted in an interview by the evaluator.

SUB-ELEMENT 3.c – Implementation of Protective Actions for persons with disabilities and access/functional needs

Criterion 3.c.1: PADs are implemented for people with disabilities and those with access/functional needs other than schools within areas subject to protective actions.

State of Minnesota, Wright and Sherburne County

This criteria has been met previously and not selected for this exercise.

Criterion 3.c.2: OROs/School officials implement protective actions for schools.

State of Minnesota, Wright and Sherburne Counties

The State of Minnesota and counties may demonstrate either during exercise play or interview with the evaluators.

SUB-ELEMENT 3.d – Implementation of Traffic and Access Control

Criterion 3.d.1: Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel.

State of Minnesota

The State received credit for this criterion due to their Covid and civil unrest responses.

Wright and Sherburne County

The counties received credit for this criterion due to their Covid response.

Criterion 3.d.2: Impediments to evacuation are identified and resolved.

State of Minnesota

The State will demonstrate this criterion out of sequence from the actual exercise. A controller will inject a traffic impediment that falls within the 10 mile EPZ that the players will need to resolve by rerouting traffic around the impediment. For evaluation purposes this will be conducted during separate virtual table top exercises for each county. The radiological points of review will be demonstrated in accordance with the 2016 REP Program Manual.

Wright County, Sherburne County

A controller will inject a traffic impediment that falls within the 10 mile EPZ that the players will need to resolve by rerouting traffic around the impediment. Each county will demonstrate how they would re-route traffic and provide a map to the state with re-route directions. For evaluation purposes this will be conducted during separate virtual table top exercises for each county. The radiological points of review will be demonstrated in accordance with the 2016 REP Program Manual.

SUB-ELEMENT 3.e – Implementation of Ingestion Pathway Decisions

Criterion 3.e.1: The ORO demonstrates the availability and appropriate use of adequate information regarding water, food supplies, milk and agricultural production within the ingestion exposure pathway emergency planning zone for implementation of protective actions.

State of Minnesota, Wright, Sherburne and Ingestion Counties

This criterion was not selected for this exercise.

Criterion 3.e.2: Appropriate measures, strategies, and pre-printed instructional material are developed for implementing PADs for contaminated water, food products, milk, and agricultural production.

State of Minnesota, Wright, Sherburne and Ingestion Counties

This criterion was not selected for this exercise.

SUB-ELEMENT 3.f – Implementation of Post-Plume Phase Relocation, Re-entry, and Return Decisions

Criterion 3.f.1: Decisions regarding controlled re-entry of emergency workers and relocation and return of the public during the post emergency phase are coordinated with appropriate organizations and implemented.

State of Minnesota, Wright, Sherburne and Ingestion Counties

This criterion was not selected for this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

SUB-ELEMENT 4.a – Plume Phase Field Measurement and Analyses

Criterion 4.a.1: [RESERVED]

Criterion 4.a.2: Field teams (two or more) are managed to obtain sufficient information to help characterize the release and to control radiation exposure.

State of Minnesota

This will be conducted virtually over an online platform such as MS Teams. Controllers will use a device such as a laptop or tablet to stream the actions of the State RAD field teams, including the Rad Team Captain giving the teams a pre-deployment briefing.

The State RAD Team Captain, operating from the Command Van will manage the activities of the State RAD Teams. The management of the field teams will be conducted by a walkthrough with the RAD team captain. Evaluators will be able to ask clarifying questions as necessary.

Wright County, Sherburne County

This is a state function and will not be demonstrated by the counties.

Criterion 4.a.3: Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams will move to an appropriate low background location to determine whether any significant (as specified in the plan and/or procedures) amount of radioactivity has been collected on the sampling media.

State of Minnesota

The State RAD Teams will demonstrate this criterion and perform ambient radiation measurements in accordance with their procedure/guideline. Airborne sampling will be demonstrated and the RAD Team members will collect gross particulate and iodine.

Field measurement data will be communicated to the Command Van and then relayed to the PAC (simulated). Plume phase samples will be packaged for transport by the State RAD Teams. Chain of custody will be documented on sample custody forms. Samples will be picked up by a sample runner and taken to the Command Van which will be simulated.

Wright County, Sherburne County

This is a state function and will not be demonstrated by the counties.

SUB-ELEMENT 4.b – Post Plume Phase Field Measurements and Sampling

Criterion 4.b.1: The field teams (two or more) demonstrate the capability to make appropriate measurements and to collect samples (e.g., food crops, milk, water, vegetation, and soil) to support adequate assessments and protective action decision-making.

State of Minnesota

This criterion was not selected for this exercise.

Wright County, Sherburne County

This is a state function and will not be demonstrated by the counties.

SUB-ELEMENT 4.c – Laboratory Operations

Criterion 4.c.1: The laboratory is capable of performing required radiological analyses to support PADs.

State of Minnesota

This criterion was not selected for this exercise.

Wright County, Sherburne County

This is a state function and will not be demonstrated by the counties.

EVALUATION AREA 5 – EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

SUB-ELEMENT AREA 5.a – Activation of the Prompt Alert and Notification System

Criterion 5.a.1: Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency

situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance.

State of Minnesota

The development and dissemination of an Emergency Alert System (EAS) message will be demonstrated virtually in the SEOC. The EAS is activated only when there is a protective action (i.e., evacuation or sheltering) for people. The State EAS Plan states that the code for a nuclear generating plant incident is monitored by all relay stations and is set to automatically transmit the message from the State EOC.

The following is a summary of the PAD and EAS process:

***Note:** The following process will be conducted by players going into various breakout rooms in the Zoom platform to get concurrence from the necessary participants. One person will be in charge of the documents and will sign (type the name) and date the document as they receive concurrence from the required participants. The EAS and siren sounding will be conducted in an out of sequence interview.*

1. The Planning and Assessment Center (PAC) receives a recommendation from the utility.
2. The PAC makes an independent assessment of the data and develops its recommendation.
3. The EAS Message and corresponding Special News Bulletins are selected by the Planning Chief and communicated to the Operations Chief.
4. The Operations Chief gets concurrence on the Protective Action Recommendation (PAR) from the Minnesota risk counties.
5. The PAR is communicated to the Minnesota State Incident Manager (SIM)
6. The PAR is communicated to the Governor's Authorized Representative (GAR) where once approved, it becomes a Protective Action Decision (PAD).
7. The time that the sirens are sounded and the time the EAS is activated is determined by the SIM after the PAD has been approved by the Minnesota GAR.
8. A copy of the approved PAD goes to the Operations Chief to coordinate these times with Sherburne and Wright counties via a conference call – the EAS message is the State's responsibility.
9. The sirens are sounded (county responsibility - simulated).
10. The EAS message is transmitted (simulated).
11. Special News Bulletins are sent out.
12. Media Briefings occur.

The EAS message and siren sounding will be conducted by interview with the necessary state and county personnel. In the interview, it will be explained that an EAS transmitter (located in the SEOC) can directly broadcast by radio

transmission an EAS message using an encoder/decoder, which is automatically monitored by encoders/decoders by major relay stations. In addition, the EAS Writer has the capability to send a message directly over NOAA weather alert radios utilizing a link to the National Weather Service headquarters in Chanhassen, Minnesota. The EAS message will contain the following basic information regarding the event:

- Identification of the ORO responsible and the official with authority for providing the alert signal and instructional message;
- Identification of the commercial NPP and a statement that an emergency exists there;
- Reference to REP-specific emergency information (e.g., brochures, calendars, etc.) for use by the general public during an emergency; and
- A closing statement asking that the affected and potentially affected population stay tuned for additional information, or that the population tune to another station for additional information.

The method used to broadcast the message will be fully explained as to the method used.

Activation of sirens, EAS, weather radios and the broadcast of media messages will be simulated.

Wright County and Sherburne County

All EAS messages are developed and disseminated by the SEOC. For evaluation purposes, the counties will explain to the evaluator how the siren coordination occurs in an out of sequence interview. Wright County has the lead for siren activation. The coordination of alert implementation will be explained in an interview by members of the Wright and Sherburne County EOCs.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Backup alert and notification of the public is completed within a reasonable time following detection by the ORO of a failure of the primary alert and notification system.

State of Minnesota

This criterion is the responsibility of the counties and will not be demonstrated by the state.

Wright and Sherburne County

The counties have 100% siren coverage; there will not be an inoperable siren inject for demonstration.

Criterion 5.a.4: Activities associated with FEMA approved exception areas (where applicable) are completed within 45 minutes of the initial decision by authorized offsite emergency officials to notify the public of an emergency situation

State of Minnesota

This criterion is the responsibility of the counties and will not be demonstrated by the state.

Wright and Sherburne County

This criterion is not selected for this exercise.

SUB-ELEMENT 5.b – Emergency Information and Instructions for the Public and the Media

Criterion 5.b.1: OROs provide accurate emergency information and instructions to the public and the news media in a timely manner.

State of Minnesota

After the SIM has approval of the PAD from the GAR, pre-scripted EAS messages communicating emergency information and instructions are released to the public. Initiating release of pre-scripted EAS messages is the responsibility of the SEOC Planning Chief. Special news bulletins will be pre-scripted and modified as needed and coordinated with all applicable agencies. The public will be told to remain tuned to their radio and television stations for further information. Special news broadcasts will be announced in the JIC media briefing room. Social media may be used to further disseminate messaging but will not be evaluated.

The Lead PIO and other organizational PIOs will work together in the virtual Zoom JIC breakout room. They will determine what information is released to the general public however, the emergency information will contain all the necessary and applicable instructions (e.g., evacuation instructions, evacuation routes, reception center locations, what to take when evacuating, shelter-in-place instructions, information concerning protective actions for schools and persons with disabilities and access/functional needs, and the public inquiry hotline telephone number) to assist the public in carrying out the PADs provided. The emergency information will include previously identified protective action areas that are still valid, as well as new areas and emergency information that is no longer valid will be rescinded and not repeated by broadcast media. In addition, the JIC will demonstrate the capability to ensure that current emergency information is repeated at pre-established intervals in accordance with the plans/procedures. Media briefings will be demonstrated in a separate zoom media briefing breakout room.

PIOs will simulate the distribution of news releases and advisories via e-mail and will log the distribution, recording what they would have actually sent out. A list of the media organizations will be provided to the evaluator. The Lead PIO will coordinate all information released to the media.

An Information Hotline will not be demonstrated for this exercise.

Wright and Sherburne County

Emergency information released to the public and the news media are the responsibility of the SEOC and the JIC. For an actual event, the County Public Information Officer (PIO) Liaisons would be located in the SEOC. For demonstration purposes, the State of Minnesota will provide a news release with the information from the PAD, each county will review and let the state know if they concur.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

SUB-ELEMENT 6.a – Monitoring, Decontamination, and Registration of Evacuees

Criterion 6.a.1: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

State of Minnesota

This Criterion is not selected for this exercise.

Wright County and Sherburne County

This is a state function and will not be demonstrated by the counties.

SUB-ELEMENT 6.b – Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles

Criterion 6.b.1: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles.

State of Minnesota

This is a county responsibility and will not be demonstrated by the state.

Wright County

This Criterion is not selected for this exercise.

Sherburne County

This Criterion is not selected for this exercise.

SUB-ELEMENT 6.c – Temporary Care of Evacuees

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate before entering congregate care facilities.

State of Minnesota

This Criterion is not selected for this exercise.

Wright County and Sherburne County

This is a state function and will not be demonstrated by the counties.

SUB-ELEMENT 6.d – Transportation and Treatment of Contaminated Injured Individuals

Criterion 6.d.1: The facility/ORO has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals.

State of Minnesota

MS-1 Transportation (Ambulance)

St. Cloud, North Memorial and Princeton Ambulance will demonstrate this objective during individual and separate virtual table top exercises. They will explain to the evaluator how they would handle a potentially contaminated and injured individual and will demonstrate their knowledge of exposure rates and administrative limits through an interview.

MS- 1 (Facilities)

North Memorial Medical Center, St Cloud and Fairview Northland Medical Center

The Hospitals will demonstrate this objective during individual and separate virtual table top exercises. They will explain to the evaluator how they would set up their emergency room bay and receive a contaminated and injured individual. They will explain their method for monitoring and decontaminating a patient, the surveying of the ambulance crew and will demonstrate their knowledge of exposure rates and administrative limits through an interview.

Hand held survey instruments may be operationally checked in the virtual meeting if required by the evaluator.

Wright County, Sherburne County

This is a state function and will not be demonstrated by the counties.

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APPENDIX F: Onsite Scenario Timeline

The following is a summary of the postulated events for the Monticello Nuclear Generating Plant 2021 Evaluated Exercise. These events did NOT occur. All times are approximate.

Section IV: Drill/Exercise Scenario

PART B: Initial Conditions, Narrative and Timeline

1) INITIAL CONDITIONS

Plant Status

- Reactor has been at continuous operation at 100% power (Mode 1) for 73 days.
- Xcel Energy Grid condition, CDF, LERF, and Fuel Pool cooling and makeup are all Green.
- Weekly eyewash station inspections are in progress.
- 12 EDG is isolated for preventative maintenance for minor adjustments to the voltage regulator. ~1100 return to service. (ISOLATION, work order)
- The painters are painting the floor around the ROMUD system.
- One channel of transmitter already out of service LT-7338B out of service for part 21 issue.

MET Conditions

- A minor storm front will pass over MNGP during the morning hours.
- See SECTION IV Part J - METEOROLOGICAL DATA for 7-day forecast.

2) DRILL TIMELINE

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

0745	SCENARIO NOTE [INITIATING CONDITION]	Suppression pool level indications in control room are lost when LT-7338A fails along with LT-2996 and LT-2996A. This will result in a loss of all torus level input to control room indicators and PPCS. Additionally, a torus level alarm will be received in the control room when this happens.		
	Time loss is recognized	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>		
	Controller initials	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>		
0800	CONTROLLER NOTE	SM should declare an NUE based on EAL SU2.1 (no release in progress)		
	EAL Declared	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>		
	Time EAL Declared	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>		

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Radiological Emergency Preparedness (REP) Program

After Action Report/Improvement Plan

Monticello Nuclear Generating Plant

	Controller Initials	<input type="text"/>	
0815	CONTROLLER NOTE	Offsite Notifications for NUE should be complete	Obj. 5.01
	Time first agency on the line:	<input type="text"/>	
	Time complete:	<input type="text"/>	
	Controller Initials:	<input type="text"/>	
	MESSAGE #X	From CAS to CR: Security reports lightning within 5 miles of the site	
0830	SCENARIO NOTE [INITIATING CONDITION]	A small storm front passes over MNGP with severe lightning. The 11 EDG, 1R transformer, and 1AR transformer are all damaged in the storm (sequential lightning strikes spanning over 5 minutes with 1AR being the last to be struck).	
	Time of loss of 1AR	<input type="text"/>	
	Controller initials	<input type="text"/>	
	CONTROLLER NOTE	Expect Operators to be dispatched to investigate the 1R, 1AR, and 11 EDG	
0830	MESSAGE #07	From NW corner BRE to CAS: Security reports multiple lightning strikes on site, specifically one of the diesel exhaust pipes on the roof.	
0840	MESSAGE #08	From CAS to CR: Security camera on 1R shows scorch marks on the high voltage bushing.	
0845	MESSAGE #X	From CAS to CR: Security reports lightning no longer within 5 miles of the site.	
0845	SCENARIO NOTE	Storm clears up and weather normalizes for the remainder of the drill.	
0845	CONTROLLER NOTE	SM should declare an Alert based on EAL SA1.1 (no release in progress)	Obj 4.01
	EAL Declared	<input type="text"/>	
	Time EAL Declared	<input type="text"/>	
	Time ERO Activated	<input type="text"/>	

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Radiological Emergency Preparedness (REP) Program

After Action Report/Improvement Plan

Monticello Nuclear Generating Plant

	Controller Initials	<div style="border: 1px solid black; width: 150px; height: 40px;"></div>	<div style="border: 1px solid black; padding: 5px;"> <p>SA1 Loss of all but one AC power source to essential buses for 15 minutes or longer.</p> <p>Note: The Emergency Director should declare the Alert promptly upon determining that 15 minutes has been exceeded, or will likely be exceeded.</p> <p><input type="checkbox"/> SA1.1 <table border="1" style="display: inline-table;"><tr><td>1</td><td>2</td><td>3</td><td></td><td></td><td></td></tr></table></p> <p>a. AC power capability to essential buses 15 and 16 is reduced to a single power source (Table S1) for 15 minutes or longer.</p> <p>AND</p> <p>b. Any additional single power source failure will result in a loss of all AC power to SAFETY SYSTEMS.</p> <table border="1" style="margin-top: 10px;"> <thead> <tr><th colspan="2">Table S1</th></tr> </thead> <tbody> <tr><td>1R Reserve Transformer</td><td></td></tr> <tr><td>1AR Reserve Transformer</td><td></td></tr> <tr><td>2R Auxiliary Transformer</td><td></td></tr> <tr><td>#11 Emergency Diesel Generator</td><td></td></tr> <tr><td>#12 Emergency Diesel Generator</td><td></td></tr> </tbody> </table> </div>	1	2	3				Table S1		1R Reserve Transformer		1AR Reserve Transformer		2R Auxiliary Transformer		#11 Emergency Diesel Generator		#12 Emergency Diesel Generator	
1	2	3																			
Table S1																					
1R Reserve Transformer																					
1AR Reserve Transformer																					
2R Auxiliary Transformer																					
#11 Emergency Diesel Generator																					
#12 Emergency Diesel Generator																					
0845	MESSAGE #09	From Ops Controller to Ops: Results of investigations 1R, 1AR, 11 EDG, and 345 KV. 1R: Scorch marks on high voltage bushings. Locked out. 1AR: High side disconnects severely damaged. 48 hours to repair. 11EDG: Multiple unexplained annunciators and acrid odor coming from control cabinet C93. Days to diagnose and repair.																			
0850	MESSAGE #10	From SEC Controller to SEC: Observe ERO Activation and ensure correct ERO Activation ID number is used.																			
0850	CONTROLLER NOTE	ERO Activation should be complete	Obj. 5.01																		
0850	CONTINGENCY MESSAGE #11	From SCR Controller to SM: Missed/Incorrect Alert Declaration																			
0900	CONTROLLER NOTE	Offsite Notifications for ALERT should be complete	Obj. 5.01																		
	Time first agency on the line:	<div style="border: 1px solid black; width: 150px; height: 25px;"></div>																			
	Time complete:	<div style="border: 1px solid black; width: 150px; height: 25px;"></div>																			
	Controller Initials:	<div style="border: 1px solid black; width: 150px; height: 25px;"></div>																			
0920	SCENARIO NOTE	A small LOCA starts in the drywell. Containment will isolate properly resulting in no release.																			
0920	MESSAGE #14	From All Controllers to SPDS users: Instructions to access Simulator SPDS from a PC.																			
0925	CONTROLLER NOTE	Expect RP to be sent to conduct survey of reactor building. Utilize SECTION IVH for results.																			

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Radiological Emergency Preparedness (REP) Program

After Action Report/Improvement Plan

Monticello Nuclear Generating Plant

0950 – 1020	CONTROLLER NOTE	EOF required staffing complete: <input type="text"/> (90 minutes) TSC required staffing complete: <input type="text"/> (60 minutes) OSC required staffing complete: <input type="text"/> (60 minutes) Controller Initials: <input type="text"/>	Obj 8.04
		Time EOF Activated: <input type="text"/> Time TSC Activated: <input type="text"/> Time OSC Activated: <input type="text"/> Controller Initials: <input type="text"/>	
0950	MESSAGE #16	From Facility Controllers to ENS/HPN Communicators: Mock ENS/HPN line	
	CONTROLLER NOTE	If ERO attempts to utilize flex equipment, do not allow actual equipment to be pulled and set up.	
1015	SCENARIO NOTE [INITIATING CONDITION]	2RS Transformer de-energizes due to lockout relay (86T2RS-2)	
	Time of loss of 2R	<input type="text"/>	
	Controller initials	<input type="text"/>	
	CONTROLLER NOTE	Expect team to be dispatched to investigate 2RS transformer failure	
	CONTROLLER NOTE	Loss of 2RS will cause SPDS to lose rad data.	
1020	MESSAGE #18	From CAS to CR: Security officer traveling past sub yard heard loud sizzling sound from the sub yard and then silence.	
1030	CONTROLLER NOTE	ED Should Classify and Declare an SAE based on EAL SS1.1 (No Release in Progress)	Obj 4.01
	EAL Declared	<input type="text"/>	

UNCLASSIFIED
Radiological Emergency Preparedness (REP) Program

After Action Report/Improvement Plan

Monticello Nuclear Generating Plant

	Time EAL Declared	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	SS1 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer. Note: The Emergency Director should declare the Site Area Emergency promptly upon determining that 15 minutes has been exceeded, or will likely be exceeded. <input type="checkbox"/> SS1.1 <div style="display: inline-block; border: 1px solid black; padding: 2px;">1</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">2</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;">3</div> <div style="display: inline-block; border: 1px solid black; padding: 2px;"> </div> <div style="display: inline-block; border: 1px solid black; padding: 2px;"> </div> <div style="display: inline-block; border: 1px solid black; padding: 2px;"> </div> Loss of ALL offsite and ALL onsite AC power to essential buses 15 and 16 for 15 minutes or longer.
	Controller Initials	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	
1030	CONTINGENCY MESSAGE #19	From EOF/TSC Controllers to EM/ED: Incorrect/Missed Declaration. (Consult with Chief controller before inject).	
	CONTROLLER NOTE	Expect PA announcement for evacuation of <u>PROTECTED AREA</u> and accountability to be completed after SAE	Obj. 10.01
1030	MESSAGE #20	From SGL Controller to SGL: SGL controller evacuation siren inject (<u>Protected Area</u> evacuation)	
	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).	
1030	MESSAGE #21	From SCR Controller to Control Room: Copy of completed FLEX site assessment.	
	CONTROLLER NOTE	Expect team to pursue back feed of 13DG. Process should take ~20 minutes	
1035	MESSAGE #22	From OSC Facility Controller to OSC Team Controller: Walk through of 13 DG back feed. See attached mark up to E.4-01 and E.4-03	
1045	CONTROLLER NOTE	Offsite Notifications for the SAE should be completed	Obj. 5.01
	Time first agency on the line:	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	
	Time complete:	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	
	Controller Initials:	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	
1045	MESSAGE #24	From OSC team Controller to OSC team: Results of 2RS transformer failure investigation. Trip was due to the 63 (Sudden Pressure Relay). Visual of transformer "as is". (Months for Diagnosis and repair). Severon monitor will show increased readings.	
1115	MESSAGE #25	From SCR Controller to Control Room 12 EDG maintenance completes (successful)	

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Radiological Emergency Preparedness (REP) Program

After Action Report/Improvement Plan

Monticello Nuclear Generating Plant

1130	CONTROLLER NOTE	Accountability should be complete	
1130	MESSAGE #28	From SCR Lead Controller to SCR Crew: Drill Termination PA Announcement	
1130	MESSAGE #29	From Facility Controllers to ALL: Drill Termination	

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