

Final After-Action Report/ Improvement Plan

Exercise Date – September 14, 2021

Radiological Emergency Preparedness (REP) Program



Point Beach Nuclear Plant



FEMA

*FINAL AAR/IP
Published 1/19/2021*

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Radiological Emergency Preparedness (REP) Program

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EXECUTIVE SUMMARY

On September 14, 2021, a Radiological Emergency Preparedness (REP) Plume Exposure Pathway Exercise was conducted for the 10-mile Emergency Planning Zone (EPZ) around the Point Beach Nuclear Plant (PBNP) by the U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA), Region V. The purpose of the exercise was to assess the level of state and local preparedness for response to a radiological emergency. This exercise was conducted in accordance with DHS/FEMA's policies and guidance concerning the exercise of state and local Radiological Emergency Response Plans (RERPs) and procedures.

The most recent exercise at this site was conducted on June 11, 2019. The qualifying emergency preparedness exercise for the PBNP was conducted on March 9, 1982.

DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in this exercise. The State of Wisconsin, the risk Counties of Kewaunee and Manitowoc, local municipalities as well as various non-government entities and volunteers all contributed to the success of the exercise.

Protecting the public health and safety is the full-time job of some of the exercise participants and an additional assigned responsibility for others. Still others have willingly sought this responsibility by volunteering to provide vital emergency services to their communities. Cooperation and teamwork on the part of all the participants was evident during this exercise.

This Final After-Action Report/Improvement Plan presents results of the evaluation of the biennial exercise and the following out-of-sequence activities: for the State of Wisconsin – Medical Services (MS-1) Facility; for Kewaunee County – Medical Services (MS-1) Transportation; and for Manitowoc County – Medical Services (MS-1) Transportation.

Recognizing the substantial state and local responses to the ongoing COVID-19 Public Health Emergency and other real-world emergencies, the participating jurisdictions were credited with extensive Actual Incident Credit. The State of Wisconsin requested and received full Incident Credit for Evaluation Criterion 1.d.1 and partial Incident Credit for Criteria 1.a.1, 1.c.1, 1.e.1, 2.c.1 and 5.b.1. Kewaunee County requested and received full Incident Credit for Evaluation Criteria 1.d.1, and partial Incident Credit for Criteria 1.a.1, 1.c.1, 1.e.1, 2.c.1, and 5.b.1. Manitowoc County requested and received full Incident Credit for Evaluation Criteria 1.d.1 and 3.d.1 and partial Incident Credit for Criteria 1.a.1, 1.c.1, 1.e.1, 2.c.1, and 5.b.1.

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 Wisconsin and Kewaunee and Manitowoc Counties during the 2021 PBNP exercise. Consequently, all demonstrated criteria were met.

Based on the results of this exercise, the planning and preparedness for the State of Wisconsin 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 Wisconsin, remains in effect.

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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 the offsite emergency planning and the review and evaluation of Radiological Emergency Preparedness 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 Interior,
 - U.S. Department of Transportation,
 - U.S. Environmental Protection Agency,
 - U.S. Food and Drug Administration, and
 - U.S. 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 September 14, 2021, and was 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 Point Beach Nuclear Plant (PBNP). Out-of-sequence activities were conducted on August 2, 2021, and September 13, 2021, in support of the exercise. The purpose of this report is to present the exercise results and findings on the performance of the Offsite Response Organizations (ORO) during a simulated radiological emergency.

The updated Extent-of-Play Agreement was submitted on August 5, 2021, by the State of Wisconsin for the State and Kewaunee and Manitowoc Counties and was approved by the DHS/FEMA Region V RAC Chair on August 24, 2021.

The Scenario was submitted on July 22, 2021, by the State of Wisconsin for the State and Kewaunee and Manitowoc Counties and was approved by the DHS/FEMA Region V RAC Chair on August 24, 2021.

Officials and representatives from the State of Wisconsin and the risk counties of Kewaunee and Manitowoc, and the Licensee 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 Wisconsin and Kewaunee and Manitowoc Counties as a result of the 2021 PBNP Exercise.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 125 individuals participated in the offsite portion of the exercise, including many PBNP owner/operator personnel and local volunteers.

This exercise also involved extensive use of well-documented Actual Incident Credit to assess the state's capabilities for protecting public health and safety. Pursuant to its documented and ongoing response to the COVID-19 Public Health Emergency, the State of Wisconsin requested and received full Incident Credit for Evaluation Criterion 1.d.1 and partial Incident Credit for Criteria 1.a.1, 1.c.1, 2.c.1, 1.e.1, and 5.b.1; Kewaunee County requested and received full Incident Credit for Evaluation Criteria 1.d.1 and partial Incident Credit for Criteria 1.a.1, 1.c.1, 1.e.1, 2.c.1, and 5.b.1; and Manitowoc County requested and received full Incident Credit for Evaluation Criteria 1.d.1 and 3.d.1 and partial Incident Credit for Criteria 1.a.1, 1.c.1, 1.e.1, 2.c.1, and 5.b.1.

1.1 Exercise Details

EXERCISE NAME

2021 Point Beach Nuclear Plant Radiological Emergency Preparedness (REP), Full Participation, Plume Exposure Pathway Exercise

TYPE OF EXERCISE

Plume Exposure Pathway

EXERCISE DATE

September 14, 2021

LOCATIONS

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

SPONSORS

Wisconsin Emergency Management
2400 Wright Street
Madison, Wisconsin

Next Era Energy – Point Beach Nuclear Plant
3060 Voyager Drive
Green Bay, Wisconsin

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

University of Wisconsin Extension Service
Wisconsin Department of Health Services/Radiation Protection Section
Wisconsin Department of Agriculture, Trade and Consumer Protection
Wisconsin Department of Education
Wisconsin Department of Health
Wisconsin Department of Justice
Wisconsin Department of Military Affairs
Wisconsin Department of Military Affairs Emergency Management
Wisconsin Governor's Office
Wisconsin National Guard
Wisconsin State Patrol

RISK COUNTY ORGANIZATIONS

Kewaunee County

Kewaunee County Board County Chairperson
Kewaunee County Department of Human Services
Kewaunee County Emergency Management
Kewaunee County Health Services
Kewaunee County Public Information Officer
Kewaunee County Highway Department
Kewaunee County School District Superintendent
Kewaunee County Sheriff's Office
Kewaunee County University of Wisconsin Agricultural Extension

Manitowoc County

Aging Disability Resource Center
Manitowoc County Department of Highway
Manitowoc County Emergency Management
Manitowoc County Executive
Manitowoc County Health Department
Manitowoc County Sheriff's Department
Manitowoc Fire Department
Manitowoc County University of Wisconsin Agricultural Extension
Two Rivers Police Department
Two Rivers Fire Department
Manitowoc County Human Services
Manitowoc County Police Department

PRIVATE ORGANIZATIONS

American Red Cross
Amateur Radio Operators
Aurora Bay Medical Center
Casco Fire Department
Casco Lincoln Area First Responders
Dworak Bus Service
EAS Stations WOMT/WDOR
Wisconsin Amateur Radio Operators
Green Bay Metro Fire Department/Hazardous Response Team
Luxemburg Ambulance Service
Luxemburg Community Fire Department
Luxemburg Police Department
Manitowoc County Fire Department/EMS
Next Era Energy

FEDERAL ORGANIZATIONS

National Weather Service
U.S. Nuclear Regulatory Commission
U.S. Department of Agriculture
U.S. Department of Energy
U.S. Department of Homeland Security/Coast Guard
U.S. Department of Homeland Security/Federal Emergency Management Agency
U.S. Environmental Protection Agency

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SECTION 2: Exercise Design Summary

2.1 Exercise Purpose and Design

The 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 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 Point Beach Nuclear Plant to DHS/FEMA Region V by the State of Wisconsin and Kewaunee and Manitowoc Counties occurred on March 13, 2021. Formal approval of these RERPs was granted by FEMA on May 13, 2021, 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 Wisconsin and Kewaunee and Manitowoc 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. 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 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. 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. 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.

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.

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 discussion of plans and procedures.

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

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

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

Objective 7: Demonstrate the ability to provide 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, the jurisdictions successfully demonstrated these nine Objectives and the associated Core Capabilities and Evaluation Criteria selected in accordance with NUREG-0654/FEMA-REP-1 and the REP Program Manual (FEMA P-1028, dated January 2016).

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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 3.2 Tables 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5, and 3.2.6 of this report. Criteria-specific narrative summaries are presented in Section 3.3 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 Wisconsin, the risk counties of Kewaunee and Manitowoc, and the Licensee participated in this exercise. The organizations, locations, and evaluation criteria selected are described in Appendix E, Extent-of-Play Agreements, which were approved by DHS/FEMA on August 24, 2021.

The results of the assessment are summarized below by Core Capability, as demonstrated during the September 14, 2021, PBNP 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. Kewaunee and Manitowoc Counties demonstrated proficiency in the radiation levels and the dose projections provided by controller inject. 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. Alert and notification of the public and media was completed in a timely manner by simulated means of Wireless Emergency Alert (WEA) messaging, Emergency Alert System (EAS) messaging, warning in state parks, news releases and media briefings. The simulated release of

information via the aforementioned public information modes was 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. 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 agreement.

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.

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.

Operational Communications: 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: Officials demonstrated the capability to stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore systems and services.

3.2 Exercise Evaluation and Results

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the September 14, 2021, Full Participation Plume Exposure Pathway Exercise and out-of-sequence interviews and demonstrations.

Each jurisdiction and functional entity were evaluated based on their demonstration of Core Capabilities and their equivalent Radiological Emergency Preparedness Evaluation Criteria, as delineated in the Federal Emergency Management Agency Radiological Emergency Preparedness Program 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)
- L1: Level 1 Finding was assessed
- L2: Level 2 Finding was assessed or there was an unresolved Level 2 Finding from a prior exercise
- P: Plan Issue was assessed
- ND: Not Demonstrated (the criterion was not demonstrated)
- NA: Not Applicable
- FC: Full Credit (Actual Incident)
- PC: Partial Credit (Actual Incident)
- NS: Not Selected (the criterion was not selected for demonstration)

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Table 3.2.1 Summary of Exercise Evaluation - State of Wisconsin

DATE: September 14, 2021 SITE: Point Beach Nuclear Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)								
	Criterion	State of Wisconsin EOC	State Radiological Coordinator	Restricted Area Field Team #1	Restricted Area Field Team #2	JIC State of Wisconsin	Public Inquiry Hotline/State PIO	FOC/MRL
Emergency Operations Management								
Mobilization	1a1	PC/M	M	M	M	PC/M	PC/M	M
Facilities	1b1	NS	NS	NA	NA	NS	NS	NS
Direction and Control	1c1	PC/M	M	NS	NS	PC/M	NS	M
Communications Equipment	1d1	FC	NS	NS	NS	NS	NS	NS
Equipment and Supplies to Support Operations	1e1	PC/M	PC/M	M	M	NS	NS	M
Protective Action Decision-Making								
EW Exposure Control Decisions	2a1	M	M	NA	NA	NA	NA	NA
PARs	2b1	M	M	NA	NA	NA	NA	NA
PADs	2b2	M	M	NA	NA	NA	NA	NA
PADs for Disabled/Functional Needs	2c1	PC/M	NA	NA	NA	NA	NA	NA
Ingestion PADs	2d1	NA	NA	NA	NA	NA	NA	NA
RRR Decisions	2e1	NA	NA	NA	NA	NA	NA	NA
Protective Action Implementation								
EW Exposure Control Implementation	3a1	NA	NA	M	M	NA	NA	M
KI Public/Institutionalized	3b1	NA	NA	NA	NA	NA	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NA	NA	NA	NA	NA	NA	NA
PAD Implementation Schools	3c2	NA	NA	NA	NA	NA	NA	NA
TACP Establishment	3d1	NA	NA	NA	NA	NA	NA	NA
Impediments	3d2	NA	NA	NA	NA	NA	NA	NA
Implement Ingestion PADs	3e1	NA	NA	NA	NA	NA	NA	NA
Ingestion Pathway Decisions	3e2	NA	NA	NA	NA	NA	NA	NA
Implementation of RRR Decisions	3f1	NA	NA	NA	NA	NA	NA	NA
Field Measurement and Analysis								
RESERVED	4a1	NA	NA	NA	NA	NA	NA	NA
Field Team Management	4a2	NS	NS	NS	NS	NA	NA	M
Field Team Operations	4a3	NA	NS	M	M	NA	NA	NS
Field Team Sampling	4b1	NA	NS	NS	NS	NA	NA	NS
Laboratory Operations	4c1	NA	NS	NA	NA	NA	NA	NS
Emergency Notification and Public Info								
Initial Alert & Notification	5a1	M	NA	NA	NA	NA	NA	NA
RESERVED	5a2	NA	NA	NA	NA	NA	NA	NA
Backup Alert & Notification	5a3	NA	NA	NA	NA	NA	NA	NA
Exception Area Alerting	5a4	NA	NA	NA	NA	NA	NA	NA
Subsequent Information & Instructions	5b1	PC/M	NA	NA	NA	PC/M	PC/M	NA
Support Operations and Facilities								
Reception Center Operations	6a1	NA	NA	NA	NA	NA	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA	NA	NA	NA	NA	NA
Congregate Care	6c1	NA	NA	NA	NA	NA	NA	NA
Contaminated Injured Transport & Care	6d1	NA	NA	NA	NA	NA	NA	NA

Table 3.2.2 Summary of Exercise Evaluation - State of Wisconsin Out-of-Sequence Activities

DATE: August 2, 2021 SITE: Point Beach Nuclear Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Credit) P: Postponed to 2022	Criterion	Aurora BayCare Medical Center	Holy Family Memorial Medical Center
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	M	P
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	M	P
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	NA	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	M	P

Table 3.2.3 Summary of Exercise Evaluation - Kewaunee County Activities

DATE: September 14, 2021 SITE: Point Beach Nuclear Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	Criterion	Kewaunee County EOC	JTC Kewaunee County PIO	TACP DC Briefing/EW Interview	EAS Radio Station - WDOR
Emergency Operations Management					
Mobilization	1a1	PC/M	NS	NS	NA
Facilities	1b1	NS	NS	NA	NA
Direction and Control	1c1	PC/M	NS	NA	NA
Communications Equipment	1d1	FC	M	NS	NS
Equipment and Supplies to Support Operations	1e1	PC/M	NS	NS	NS
Protective Action Decision-Making					
EW Exposure Control Decisions	2a1	M	NA	NA	NA
PARs	2b1	NS	NA	NA	NA
PADs	2b2	M	NA	NA	NA
PADs for Disabled/Functional Needs	2c1	PC/M	NA	NA	NA
Ingestion PADs	2d1	NS	NA	NA	NA
RRR Decisions	2e1	NS	NA	NA	NA
Protective Action Implementation					
EW Exposure Control Implementation	3a1	NS	NS	M	NA
KI Public/Institutionalized	3b1	M	NA	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NS	NA	NA	NA
PAD Implementation Schools	3c2	M	NA	NA	NA
TACP Establishment	3d1	M	NA	M	NA
Impediments	3d2	M	NA	NA	NA
Implement Ingestion PADs	3e1	NS	NA	NA	NA
Ingestion Pathway Decisions	3e2	NS	NA	NA	NA
Implementation of RRR Decisions	3f1	NS	NA	NA	NA
Field Measurement and Analysis					
RESERVED	4a1	NA	NA	NA	NA
Field Team Management	4a2	NA	NA	NA	NA
Field Team Operations	4a3	NA	NA	NA	NA
Field Team Sampling	4b1	NA	NA	NA	NA
Laboratory Operations	4c1	NA	NA	NA	NA
Emergency Notification and Public Info					
Initial Alert & Notification	5a1	M	NS	NS	M
RESERVED	5a2	NA	NA	NA	NA
Backup Alert & Notification	5a3	NS	NA	NA	NA
Exception Area Alerting	5a4	NA	NA	NA	NA
Subsequent Information & Instructions	5b1	PC/M	M	NA	NS
Support Operations and Facilities					
Reception Center Operations	6a1	NS	NA	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA	NA	NA
Congregate Care	6c1	NS	NA	NA	NA
Contaminated Injured Transport & Care	6d1	NS	NA	NA	NA

Table 3.2.4 Summary of Exercise Evaluation - Kewaunee County Out-Of-Sequence Activities

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

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Table 3.2.5 Summary of Exercise Evaluation - Manitowoc County Activities

DATE: September 14, 2021 SITE: Point Beach Nuclear Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	Criterion	Manitowoc County EOC	JIC Manitowoc County PIO	EAS Radio Station - WOMT
Emergency Operations Management				
Mobilization	1a1	PC/M	NS	NS
Facilities	1b1	NS	NS	NA
Direction and Control	1c1	PC/M	M	NA
Communications Equipment	1d1	FC	NS	NS
Equipment and Supplies to Support Operations	1e1	PC/M	NS	NS
Protective Action Decision-Making				
EW Exposure Control Decisions	2a1	M	NA	NA
PARs	2b1	NS	NA	NA
PADs	2b2	M	NA	NA
PADs for Disabled/Functional Needs	2c1	PC/M	NA	NA
Ingestion PADs	2d1	NS	NA	NA
RRR Decisions	2e1	NS	NA	NA
Protective Action Implementation				
EW Exposure Control Implementation	3a1	NS	NA	NA
KI Public/Institutionalized	3b1	NS	NA	NA
PAD Implementation Disabled/Functional Needs	3c1	NS	NA	NA
PAD Implementation Schools	3c2	M	NA	NA
TACP Establishment	3d1	FC	NA	NA
Impediments	3d2	M	NA	NA
Implement Ingestion PADs	3e1	NS	NA	NA
Ingestion Pathway Decisions	3e2	NS	NA	NA
Implementation of RRR Decisions	3f1	NS	NA	NA
Field Measurement and Analysis				
RESERVED	4a1	NA	NA	NA
Field Team Management	4a2	NA	NA	NA
Field Team Operations	4a3	NA	NA	NA
Field Team Sampling	4b1	NA	NA	NA
Laboratory Operations	4c1	NA	NA	NA
Emergency Notification and Public Info				
Initial Alert & Notification	5a1	M	NS	M
RESERVED	5a2	NA	NA	NA
Backup Alert & Notification	5a3	NS	NA	NA
Exception Area Alerting	5a4	NA	NA	NA
Subsequent Information & Instructions	5b1	PC/M	M	M
Support Operations and Facilities				
Reception Center Operations	6a1	NS	NA	NA
EW Monitoring & Decontamination	6b1	NA	NA	NA
Congregate Care	6c1	NS	NA	NA
Contaminated Injured Transport & Care	6d1	NS	NA	NA

Table 3.2.6 Summary of Exercise Evaluation - Manitowoc County Out-Of-Sequence Activities

DATE: September 13, 2021 SITE: Point Beach Nuclear Plant M: Met NA: Not Applicable NS: Not Selected FC: Full Credit (Actual Incident) PC: Partial Credit (Actual Incident)	Criterion	Transportation Manitowoc Fire Department
Emergency Operations Management		
Mobilization	1a1	NA
Facilities	1b1	NA
Direction and Control	1c1	NA
Communications Equipment	1d1	NA
Equipment and Supplies to Support Operations	1e1	M
Protective Action Decision-Making		
EW Exposure Control Decisions	2a1	NA
PARs	2b1	NA
PADs	2b2	NA
PADs for Disabled/Functional Needs	2c1	NA
Ingestion PADs	2d1	NA
RRR Decisions	2e1	NA
Protective Action Implementation		
EW Exposure Control Implementation	3a1	M
KI Public/Institutionalized	3b1	NA
PAD Implementation Disabled/Functional Needs	3c1	NA
PAD Implementation Schools	3c2	NA
TACP Establishment	3d1	NA
Impediments	3d2	NA
Implement Ingestion PADs	3e1	NA
Ingestion Pathway Decisions	3e2	NA
Implementation of RRR Decisions	3f1	NA
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	NA
RESERVED	5a2	NA
Backup Alert & Notification	5a3	NA
Exception Area Alerting	5a4	NA
Subsequent Information & Instructions	5b1	NA
Support Operations and Facilities		
Reception Center Operations	6a1	NA
EW Monitoring & Decontamination	6b1	NA
Congregate Care	6c1	NA
Contaminated Injured Transport & Care	6d1	M

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, 3.2.2, 3.2.3, 3.2.4, 3.2.5, and 3.2.6.

3.3.1 State of Wisconsin Demonstrations

3.3.1.1 State of Wisconsin EOC

Criterion 2.a.1 – Emergency Worker Exposure Control Decisions

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.1 – Protective Action Recommendations

Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communication

Core Capability: Situational Assessment

Criterion 2.b.2 – Protective Action Decisions

Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communication

Core Capability: Situational Assessment

Criterion 5.a.1 – Initial Alert and Notification

Core Capability: Operational Coordination

Core Capability: Public Information and Warning

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.2 State Radiological Coordinator**Criterion 1.a.1 – Mobilization****Core Capability: Operational Communications****Criterion 1.c.1 – Direction and Control****Core Capability: Operational Coordination****Core Capability: Operational Communications****Core Capability: Situational Assessment****Criterion 2.a.1 – Emergency Worker Exposure Control Decisions****Core Capability: Operational Coordination****Core Capability: Environmental Response/Health and Safety****Core Capability: Situational Assessment****Criterion 2.b.1 – Protective Action Recommendations****Core Capability: Operational Coordination****Core Capability: Intelligence and Information Sharing****Core Capability: Environmental Response/Health and Safety****Core Capability: Operational Communication****Core Capability: Situational Assessment****Criterion 2.b.2 – Protective Action Decisions****Core Capability: Operational Coordination****Core Capability: Intelligence and Information Sharing****Core Capability: Environmental Response/Health and Safety****Core Capability: Operational Communication****Core Capability: Situational Assessment****3.3.1.3 Restricted Area Field Team #1****Criterion 1.a.1 – Mobilization****Core Capability: Operational Communications****Criterion 1.e.1 – Equipment and Supplies to Support Operations****Core Capability: Environmental Response/Health and Safety****Core Capability: Mass Care Services****Core Capability: Public and Private Services and Resources****Core Capability: Public Health and Medical Services****Criterion 3.a.1 – Emergency Worker Exposure Control Implementation****Core Capability: Operational Coordination****Core Capability: Environmental Response/Health and Safety**

3.3.1.4 Restricted Area Field Team #2

Criterion 1.a.1 – Mobilization

Core Capability: Operational Communications

Criterion 1.e.1 – Equipment and Supplies to Support Operations

Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Emergency Worker Exposure Control Implementation

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 4.a.3 – Field Team Operations

3.3.1.5 JIC State of Wisconsin

Criterion 1.a.1 – Mobilization

Core Capability: Operational Communications

Criterion 1.c.1 – Direction and Control

Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 5.b.1 – Initial Alert and Notification

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

3.3.1.6 Public Inquiry Hotline/State PIO

Criterion 1.a.1 – Mobilization

Core Capability: Operational Communications

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

3.3.1.7 FOC/MRL

Criterion 1.a.1 – Mobilization

Core Capability: Operational Communications

Criterion 1.c.1 – Direction and Control

Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.e.1 – Equipment and Supplies to Support Operations

Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Emergency Worker Exposure Control Implementation

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 4.a.2 – Field Team Management

Core Capability: Operational Coordination

3.3.2 State of Wisconsin – Out-of-Sequence Demonstrations

3.3.2.1 Aurora BayCare Medical Center

Criterion 1.e.1 – Equipment and Supplies to Support Operations

Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Emergency Worker Exposure Control Implementation

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Contaminated Injured Transport and Care

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Public Health and Medical Services

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for the State of Wisconsin 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 – Kewaunee County Demonstrations

3.3.3.1 Kewaunee County EOC

Criterion 2.a.1 – Emergency Worker Exposure Control Decisions

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.2 – Protective Action Decisions

Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communication

Core Capability: Situational Assessment

Criterion 2.c.1 – Protective Action Decisions for Disabled/Functional Needs

Core Capability: Operational Communication

Core Capability: Situational Assessment

Core Capability: Operational Coordination

Criterion 3.b.1 – KI for the General Public and Institutionalized Populations

Core Capability: Operational Coordination

Core Capability: Public Information and Warning

Core Capability: Environmental Response/Health and Safety

Core Capability: Public and Private Services and Resources

Criterion 3.c.2 – Protective Action Decisions Implementation Schools

Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.1 – Traffic Access Control Points Establishment

Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: On-Scene Security and Protection

Criterion 3.d.2 – Impediments

Core Capability: Operational Coordination

Core Capability: Infrastructure Systems

Core Capability: Critical Transportation

Criterion 5.a.1 – Initial Alert and Notification

Core Capability: Operational Coordination

Core Capability: Public Information and Warning

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.3.2 JIC Kewaunee County PIO

Criterion 1.d.1 – Communications Equipment

Core Capability: Operational Communications

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.3.3 TACP DC Briefing/EW Interview

Criterion 3.a.1 – Emergency Worker Exposure Control Implementation

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.1 – Traffic Access Control Points Establishment

Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: On-Scene Security and Protection

3.3.3.4 EAS Radio Station – WDOR

Criterion 1.d.1 – Communications Equipment

Core Capability: Operational Communications

Criterion 5.a.1 – Initial Alert and Notification

Core Capability: Operational Coordination

Core Capability: Public Information and Warning

3.3.4 Risk Jurisdiction – Kewaunee County Out-Of-Sequence Demonstrations

3.3.4.1 Transportation Luxemburg Ambulance

Criterion 3.a.1 – Emergency Worker Exposure Control Implementation

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Contaminated Injured Transport and Care

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Public Health and Medical Services

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

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

3.3.5 Risk Jurisdiction – Manitowoc County Demonstrations

3.3.5.1 Manitowoc County EOC

Criterion 2.a.1 – Emergency Worker Exposure Control Decisions

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.2 – Protective Action Decisions

Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communication

Core Capability: Situational Assessment

Criterion 2.c.1 – Protective Action Decisions for Disabled/Functional Needs

Core Capability: Operational Communication

Core Capability: Situational Assessment

Core Capability: Operational Coordination

Criterion 3.c.1 – Protective Action Decisions Implementation for Disabled/Functional Needs

Core Capability: Transportation

Core Capability: Operational Coordination

Criterion 3.c.2 – Protective Action Decisions Implementation Schools

Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.2 – Impediments

Core Capability: Operational Coordination

Core Capability: Infrastructure Systems

Core Capability: Critical Transportation

Criterion 5.a.1 – Initial Alert and Notification

Core Capability: Operational Coordination

Core Capability: Public Information and Warning

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.5.2 JIC Manitowoc County PIO

Criterion 1.c.1 – Direction and Control

Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.5.3 EAS Radio Station - WOMT

Criterion 5.a.1 – Initial Alert and Notification

Core Capability: Operational Coordination

Core Capability: Public Information and Warning

Criterion 5.b.1 – Public Information and Instructions

Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.6 Risk Jurisdiction – Manitowoc County Out-of-Sequence Demonstrations

3.3.6.1 Transportation Manitowoc Fire Department

Criterion 1.e.1 – Equipment and Supplies to Support Operations

Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Criterion 3.a.1 – Emergency Worker Exposure Control Implementation

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Contaminated Injured Transport and Care

Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Public Health and Medical Services

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for the Manitowoc 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

SECTION 4: Conclusion

The DHS/FEMA evaluation team identified no Findings and no Plan Issues for the State of Wisconsin, and the risk counties of Kewaunee and Manitowoc during the 2021 PBNP Full Participation, Plume Pathway Exercise, REP Exercise.

As noted in the summary tables in Section 3.2 of this report, the State of Wisconsin and Manitowoc County received full or partial Actual Incident Credit for a number of REP Demonstration Criteria as a result of the ongoing COVID-19 Public Health Emergency (PHE) and other disasters that occurred during 2020-2021. In addition, some REP Demonstration Criteria were not selected (because the applicable Offsite Response Organizations (OROs) had already successfully demonstrated the criteria during the current Eight-Year Demonstration Cycle), or the criteria were not applicable.

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 Wisconsin and Kewaunee and Manitowoc Counties during the 2021 PBPP exercise. Consequently, all demonstrated criteria were met.

Based on the results of this exercise, the planning and preparedness for the State of Wisconsin 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 Wisconsin, 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 the September 14, 2021, Point Beach Nuclear Plant (PBNP), Radiological Emergency Preparedness (REP) Full-Participation, Plume Exposure Pathway Exercise to test the offsite emergency response capabilities of local governments in the 10-mile Emergency Planning Zone surrounding PBNP, recommended corrective actions, and a schedule of corrective actions, if necessary, for the identified primary responsible agency.

The ongoing COVID-19 PHE, and other disasters that occurred during 2020-2021, presented the State of Wisconsin and Manitowoc and Kewaunee 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 during the planning phase of the exercise. As PHE restrictions diminished, it became possible for the exercise to be conducted fully in-person.

It is recommended that best practices and lessons learned as a result of virtual planning processes for this exercise be captured for future reference in plans, procedures and/or other support documents.

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APPENDIX B: Exercise Timeline

EXERCISE DATE AND SITE: September 14, 2021 – Point Beach Nuclear Plant

ALL TIMES ARE CDT

Emergency Classification Level or Event	Time Utility Declared	NOTIFICATION OR ACTION				
		Wisconsin SEOC	Wisconsin SRC	Wisconsin JIC	Manitowoc County EOC	Kewaunee County EOC
Unusual Event	0820	0843	NA	NA	0836	0843
Alert	0935	0952	0955	0950	0948	0949
Site Area Emergency	1034	1043	1043	1043	1046	1043
General Emergency	1142	1155	1155	1150	1153	1153
Notification Radiation Release Started	1001	1015	1015	1020	1018	1016
Facility Declared Operational		0940	1000	0935	0959	1022
Declaration of State Emergency		1217	NA	1228	0954	1103
Exercise Terminated		1313	1313	1319	1307	1245
General Information Message: Public advised of incident at Point Beach Nuclear Plant		NA	NA	1029	0957	1043
Early Precautionary Action Decision: The State issued a Livestock Advisory: <i>All livestock are to be sheltered and placed on stored feed and water within the 50-mile EPZ.</i>		1057	NA	1108	1051	1056
Early Precautionary Action Decision: <i>Evacuate Schools and/or Special Populations.</i>		NA	NA	1127	1051	1059
KI Administration Emergency Workers and Immobile Populations Decision/Implementation: <i>SRC / Counties</i>		1155	NA	1256	1157	1157 – IPs 1159 – EWs
Air Restrictions:		1052	NA	NA	1228	NA
Rail Restrictions:		1052	NA	NA	1229	NA
Water Restrictions:		1052	NA	NA	1227	1129
Protective Action Recommendation:		1153	1153	1150	1155	1153
Protective Action Decision:		NA	NA	1235	1205	1206
KI Administration Emergency Workers and Immobile Populations Decision/Implementation: <i>SRC / Counties</i>		1155	NA	1256	1157	1157 – IPs 1159 – EWs
IPAWS/WEA Notification:		NA	NA	1235	1215 – WEA 1220 – IPAWS	1215 – WEA 1220 – IPAWS
EAS Message [to Radio Stations [WOMT / WDOR]:		NA	NA	1235	1223	1223

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APPENDIX C: Exercise Evaluation Team

SITE: Point Beach Nuclear Plant

EXERCISE DATES: September 14, 2021

Exercise Management	Name	Agency/ Organization
Chair, Regional Assistance Committee	Sean O’Leary	DHS/FEMA
Exercise Director	Carl Bebrich	DHS/FEMA
Assistant Exercise Director	Ed Golinski	DHS/FEMA
State of Wisconsin Site Specialist	James King	DHS/FEMA
State of Wisconsin Site Specialist (Training)	Todd Trygier	DHS/FEMA
Team Leader – State of Wisconsin	James King	DHS/FEMA
Team Leader – Kewaunee County	Edward Diaz	DHS/FEMA
Team Leader – Manitowoc County	Carl Bebrich	DHS/FEMA
Contractor Evaluator Support – Regional Coordinator	John Wills	ICFI

State of Wisconsin		
Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
State of Wisconsin EOC	Doc Burriss	ICFI
State of Wisconsin EOC	Terry Blackmon	ICFI
State Radiological Coordinator	Terry Blackmon	ICFI
State Radiological Coordinator	Tom Essig	ICFI
Restricted Area Field Team #1	Denny Wilford	ICFI
Restricted Area Field Team #1	Carol Shepard	ICFI
JIC	Bill McDougall	ICFI
Public Inquiry Hotline SEOC Media Room	Clark Duffy	ICFI
FOC/MRL	John Wills	ICFI

State of Wisconsin – Out-of-Sequence		
Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
Aurora BayCare Medical Center	Thomas Gahan	DHS/FEMA

Kewaunee County		
Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
Kewaunee County EOC	Paul Ringheiser	ICFI
Kewaunee County EOC	Tom Reynolds	ICFI
JIC Kewaunee County PIO	Bill McDougall	ICFI
TACP DC Briefing/EW Interview	Tom Reynolds	DHS/FEMA
EAS Radio Station - WDOR	Karl Rabenhorst	DHS/FEMA

Kewaunee County – Out-of-Sequence		
Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
Transportation Luxemburg Ambulance	Todd Gemskie	DHS/FEMA

Manitowoc County		
Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
Manitowoc County – EOC	Don Carlton	ICFI
Manitowoc County – EOC	Todd Trygier	DHS/FEMA
JIC Manitowoc County PIO	Bill McDougall	ICFI
EAS Radio Station - WOMT	Tom Hegele	DHS/FEMA

Manitowoc County – Out-of-Sequence		
Evaluated Offsite Response Organizations/Locations	Evaluator	Agency/ Organization
Transportation Manitowoc Fire Department	Tom Hegele	ICFI

APPENDIX D: Acronyms

ACRONYM	DESCRIPTION
AAA	Area Agency on Aging
AAR	After-Action Report
ABMC	Aurora BayCare Medical Center
Ag	Agricultural
ANS	Alert and Notification System
ARC	American Red Cross
ARES	Amateur Radio Emergency Services
AuxComm	Auxiliary Communications
Bk/Up	Backup
CAP	Civil Air Patrol
CDT	Central Daylight Time
CCC	Congregate Care Center
CD V	Civil Defense Victoreen
CDE	Committed Dose Equivalent
CE	County Engineer
CEDE	Combined Effective Dose Equivalent
CERT	Community Emergency Response Team
CFR	Code of Federal Regulations
CHJCF	Cuyahoga Hills Juvenile Correctional Facility
cpm	counts per minute
cm	centimeter
Cs	Cesium
DAG	Dose Assessment Group
DATCP	Department of Agriculture/Consumer Protection
DC	Dosimetry Coordinator
DES	Department of Emergency Services
DHS	Department of Homeland Security
DMA	Department of Military Affairs
DOE	Department of Energy
DOT	Department of Transportation
DPM	Department of Public Safety
DPS	Disaster Preparedness Specialist
DRD	Direct Reading Dosimeter
DRF	Dosimetry Report Form
EAL	Emergency Action Level
EAS	Emergency Alert System
ECL	Emergency Classification Level
ED	Emergency Department

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ACRONYM	DESCRIPTION
EDL	Executive Discussion Line
EMA	Emergency Management Agency
EMNet	Emergency Network
EMD	Emergency Management Director
EMS	Emergency Medical Service
EMT	Emergency Medical Technician
EOC	Emergency Operation Center
EOF	Emergency Operations Facility
EPD	Electronic Personal Dosimeter
EPT	Exercise Planning Team
EPZ	Emergency Planning Zone
ER	Executive Room
ESD	Emergency Support Director
ESF	Emergency Support Function
ETE	Evacuation Time Estimate
EW	Emergency Worker
EWDC	Emergency Worker Decontamination Center
FD	Fire Department
FEMA	Federal Emergency Management Agency
FMTC	Field Monitoring Team Coordinator
FMT(s)	Field Monitoring Team(s)
FOC/MRL	Forward Operating Command/Mobile Radiological Laboratory
g	gram(s)
GE	General Emergency (Emergency Classification Level)
GETS	Government Telecommunications System
GHz	GigaHertz
GIS	Geographical Information System
GM	Geiger-Mueller
gpm	gallons per minute
GPS	Global Positioning System
HEPA	High Efficiency Particulate Air
HFMC	Holy Family Medical Center
IC	Incident Commander
ICFI	ICF International [FEMA Contractor]
INF	Initial Notification Form
INP	Initial Notification Point
IP	Improvement Plan
IWP	Initial Warning Point
JDC	Joint Dispatch Center
JIC	Joint Information Center
JIS	Joint Information System

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ACRONYM	DESCRIPTION
JIT	Just In Time (training)
KI	Potassium Iodide
LEADS	Law Enforcement Automated Data System
LEC	Law Enforcement Coordinator
LPM	Liters Per Minute
M/D	Monitoring/Decontamination
MARCS	Multi-Agency Radio Communications System
NARS	Nuclear Accident Reporting System
MIDAS	Meteorological Information Dose Assessment System
μCi/hr	micro (10 ⁻⁶) Curies per hour
μCi/ml	micro (10 ⁻⁶) Curies per milliliter
mg	milligram
MHz	Megahertz
min	minute(s)
MPH/mph	miles per hour
μR	micro (10 ⁻⁶) R/microroentgen
mR	milliroentgen
mR/hr	milliroentgen/hr
NIMS	National Incident Management System
NOAA	National Oceanic and Atmospheric Administration
NRC	Nuclear Regulatory Commission
NWS	National Weather Service
OIC	Officer-In-Charge
OSLD	Optically Stimulated Luminescence Dosimeter
PAD	Protective Action Decision
PAG	Protective Action Guideline
PAR	Protective Action Recommendation
PBNP	Point Beach Nuclear Plant
PDAFNs	Persons with Disabilities and Access/Functional Needs
PD	Police Department
PDP	Personal Dosimetry Packet
PIO	Public Information Officer
PPE	Personal Protective Equipment
ppm	parts per million
PRD	Permanent Record Dosimeter
R	Roentgen
RAC	Regional Assistance Committee
RADEF	Radiological Defense
RAFT	Restricted Area Field Team
RC	Reception Center
RCM	Reception Center Manager

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ACRONYM	DESCRIPTION
RCS	Reactor Containment System
RDT	Radiological Disaster Team
REA	Radiological Emergency Area
REACT/TS	Radiological Emergency Assistance Center/Technical Support
rem	radiation exposure man
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RIMC	Radiological Instrumentation, Maintenance and Calibration
RO	Radiological Officer
RSO	Radiological Safety Officer
SAE	Site Area Emergency (Emergency Classification Level)
SDC	Sheriff's Dispatch Center
SEOC	State Emergency Operations Center
SIB	Special Information Bulletin
SIP	Shelter-in-Place
SNB	Special News Bulletin
SO	Sheriff's Office
SOG	Suggested Operating Guideline/Standard Operating Guideline
SOP	Standard Operating Procedure
SRC	State Radiological Coordinator
SSS	Sample Screening Station
TACP	Traffic and Access Control Point
TCP	Traffic Control Point
TEDE	Total Effective Dose Equivalent
THD	Technological Hazards Division
TLD	Thermo-luminescent Dosimeter
TS	Transportation Supervisor
UE	Unusual Event (Emergency Classification Level)
UHF	Ultra-High Frequency
USCG	United States Coast Guard
VHF	Very High Frequency
VOAD	Voluntary Organizations Active in Disaster
VoIP	Voice over Internet Protocol
WEM	Wisconsin Emergency management
WENS	Wireless Emergency Notification System
WiFi	Trade name for "IEEE 802.11x Direct Sequence" wireless network connectivity operating on 2.4GHz or 5GHz radio frequencies.

APPENDIX E: Extent-of-Play Agreement

2021 Point Beach Nuclear Plant Plume Pathway Full Scale Exercise September 14th, 2021

1. PURPOSE	
This Extent of Play Agreement identifies the conditions that will be used to develop, conduct, control, and evaluate the 2021 Point Beach Nuclear Plant Plume Pathway Full Scale Exercise as agreed to by Wisconsin Emergency Management, Wisconsin Department of Health Services, Radiation Protection Section, Manitowoc County Emergency Services, Kewaunee County Emergency Management and Point Beach Nuclear Plant.	
2. EXECUTIVE SUMMARY	
The 2021 Point Beach Nuclear Plant Plume Pathway Full-Scale Exercise (September 14 th , 2021) is designed to establish a learning environment for players to exercise and evaluate their plans and procedures and to review actions related to response to an incident involving the release of radiological materials and the repercussions within the 10-mile Emergency Planning Zone (EPZ), at the Point Beach Nuclear Plant. Exercise play is scheduled until exercise objectives have been met at each participating venue.	
3. IDENTIFIED EXERCISE OBJECTIVES AND CORE CAPABILITIES	
Exercise Objective	Aligned Core Capability
ASSESSMENT AREA 1 – EMERGENCY OPERATIONS MANAGEMENT	
<u>Sub-element 1.a – Mobilization</u> INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to alert, notify, and mobilize emergency personnel, and activate and staff emergency facilities. Criterion 1.a.1: OROs use effective procedures to alert, notify, and mobilize emergency personnel and activate facilities in a timely manner. (NUREG-0654/FEMA-REP-1, A.1.a, e; A.3, 4; C.1,4, 6; D.4; E.1, 2; G.3.a; H.3, 4) EXTENT OF PLAY: The State of Wisconsin, Manitowoc and Kewaunee County Emergency Operation Centers, and the Joint Information Center (JIC) will be notified per procedure and will respond when called. State and County EOCs will notify their EOC staff per procedure. State and County EOCs will not be pre-positioned. Field	Operational Communications

monitoring teams will be pre-positioned. 24-hour staffing rosters will be available upon request.

Special arrangements regarding staffing are as follows:

- The Wisconsin Emergency Management Regional Directors and their Office Program Associates will be pre-positioned in the vicinity of the Kewaunee and Manitowoc EOCs and will be instructed to report to the County EOCs ~10 minutes after initial notification of activation of the State of Emergency Operations Center (SEOC).
- State Joint Information Center (JIC) staff will be pre-positioned in the area of the JIC in Green Bay and will be notified by the WEM Public Information Officer and/or RAVE Alert to report to the JIC when the Alert ECL is declared. They will wait approximately 10 minutes after notification before reporting to the JIC. The JIC is located at 3060 Voyager Drive, in Green Bay, Wisconsin.
- Manitowoc and Kewaunee County JIC staff will also be pre-positioned near the JIC in Green Bay and arrive in a staggered order.
- The public inquiry hotline Wisconsin Disaster Information Assistance Line (WI-DIAL) is located at Department of Military Affairs, Wisconsin Emergency Management, 2400 Wright St., Madison. WI-DIAL staff will be notified in person or via RAVE Alert. The 211 Wisconsin Supervisor, acting as the Assistant WI-DIAL Supervisor, will respond to the SEOC and the 211 operators will log in via remote software in accordance with 211 Wisconsin's standard operations.
- Forward Operating Center/Mobile Response Lab (FOC/MRL) and Field Teams will be pre-positioned at the Manitowoc Highway Department and will be mobilized when needed and requested. They will receive alert via RAVE, the Field Response Manager (FRM) will be notified via call from the SRC, and Field Teams will be notified by the FRM to mobilize.
- State Radiological Coordinator (SRC) room staff will be pre-positioned in the DMA break room and/or parking lot. The SRC will be pre-staged in DMA break room awaiting notification via pager. The SRC will alert and determine availability of staff via the RAVE system. The SRC will then notify and mobilize staff to report to assigned duty stations.
- Point Beach Nuclear Plant will pre-position a liaison near the SEOC and will respond when notified by the plant per procedure.

Manitowoc County and Kewaunee County requested and were granted full credit for this criterion due to their respective responses

<p>to the COVID-19 Pandemic. This criterion will be performed in accordance with the respective agencies' plans and procedures but will not be evaluated.</p> <p>The State of Wisconsin requested and was granted partial credit for this criterion due to their response to the COVID-19 Pandemic. The State of Wisconsin will only be evaluated on the activation of the State Radiological Coordination group. No other elements from this criterion will be evaluated.</p>	
<p><u>Sub-element 1.b – Facilities</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have facilities to support the emergency response.</p> <p>Criterion 1.b.1: Facilities are sufficient to support the emergency response. (NUREG-0654/FEMA-REP-1, G.3.a; H.3; J.10.h; J.12; K.5.b)</p> <p>EXTENT OF PLAY: The specifics in each facility will vary with organizational plans. Controlled access, if necessary, will be carried out per established procedures. Entry to the Department of Military Affairs (DMA) facility will be facilitated in accordance with DMA security protocol for entry and accountability. Exercise participants, observers, controllers, and evaluators will be asked to wear ID badges or vests, as appropriate.</p> <p>The SEOC, as well as the SRC room, was established and evaluated for record in 2017 and will therefore, not be evaluated in 2021. The Forward Operations Center (FOC)/Mobile Response Lab (MRL), Joint Information Center (JIC), Manitowoc County EOC, and Kewaunee County EOC have not had any substantial change that has a direct effect or impact on emergency response operations performed in these facilities.</p> <p>As of May 1st, 2019 the Traffic Management Center (TMC) in Milwaukee assumed the role of State Warning Point 1, which answers the nuclear phones on behalf of Wisconsin Emergency Management. The TMC facility was evaluated for record in 2019 and will not be evaluated in 2021.</p> <p>This criterion will not be evaluated.</p>	

<p><u>Sub-element 1.c – Direction and Control</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to control their overall response to an emergency.</p> <p>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. (NUREG-0654/FEMAREP-1, A.1.d; A.2.a, b; A.3; C.4, 6)</p> <p>EXTENT OF PLAY: Offsite response organizations will demonstrate the capability to direct and control the overall response effort with their areas of responsibility as outlined in their respective plans.</p> <p>Manitowoc County and Kewaunee County requested and were granted full credit for this criterion due to their respective responses to the COVID-19 Pandemic. This criterion will be performed in accordance with the respective agencies' plans and procedures but will not be evaluated.</p> <p>The State of Wisconsin requested and was granted partial credit for this criterion due to their response to the COVID-19 Pandemic. Only the State Radiological Coordinator will be evaluated on this criterion. The State is also trialing using a Radiological Operations Support Specialist (ROSS) participant to assist with SRC activities. The ROSS participant will not be evaluated. The State Emergency Operations Center, nor any other elements will be evaluated on this criterion.</p>	<p>Operational Coordination</p> <p>Operational Communications</p> <p>Situational Assessment</p>
<p><u>Sub-element 1.d – Communications Equipment</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs establish and operate reliable primary and backup communication systems to ensure communications with key emergency personnel at locations such as contiguous governments within the EPZ, Federal emergency response organizations, the licensee and its facilities, EOCs, Incident Command Posts, and FMTs.</p> <p>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. (NUREG-0654/FEMA-REP-1, F.1, 2)</p>	<p>Operational Communications</p>

<p>EXTENT OF PLAY: Primary communication systems will be demonstrated. If primary communication systems fail, secondary systems can be demonstrated. These include; EMNet phones, commercial telephones, cell phones, satellite phones, and ARES/RACES.</p> <p>The State of Wisconsin, Manitowoc County, and Kewaunee County requested and were granted full credit for this criterion due to their respective responses to the COVID-19 Pandemic. This criterion will be performed in accordance with the respective agencies' plans and procedures but will not be evaluated.</p>	
<p><u>Sub-element 1.e – Equipment and Supplies to Support Operations</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have emergency equipment and supplies adequate to support the emergency response.</p> <p>Criterion 1.e.1: Equipment, maps, displays, monitoring instruments, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations (NUREG-0654/FEMA-REP-1, H.7, 10; I.7, 8, 9; J.10.a, b, e; J.11, 12; K.3.a; K.5.b)</p> <p>EXTENT OF PLAY: Maps, displays and other necessary equipment and supplies will be utilized at the state and county EOCs as well as other appropriate locations, such as the JIC. Monitoring instruments will be utilized at locations within the 10-mile EPZ including the FOC/MRL and Field Monitoring teams. If a decision to use Potassium Iodide (KI) for emergency workers is made, sufficient quantities and appropriate instructions for use will be made available. The ingestion of KI by emergency workers will be simulated. KI for field monitoring teams is available in the field team kits and at the FOC/MRL at the Manitowoc County Highway Department. KI for Manitowoc and Kewaunee County emergency workers is stored at their respective EOCs and can be delivered to the reception centers in accordance to their plans, this activity will be simulated for the exercise. KI is not available for the general public.</p> <p>The State of Wisconsin, Manitowoc County, and Kewaunee County requested and were granted partial credit for this criterion due to their respective responses to the COVID-19 Pandemic. Monitoring instruments, dosimetry, and potassium iodide (KI) will be evaluated. Maps and displays will not be evaluated.</p>	<p>Environmental Response/Health and Safety</p> <p>Mass Care Services</p> <p>Public & Private Services and Resources</p> <p>Public Health & Medical Services</p>
ASSESSMENT AREA 2 – PROTECTIVE ACTION DECISION-MAKING	
<u>Sub-element 2.a.1 – Emergency Worker Exposure Control</u>	

<p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to assess and control the radiation exposure received by emergency workers and have a decision chain in place, as specified in the ORO's plans/procedures, to authorize emergency worker exposure limits to be exceeded for specific missions.</p> <p>Radiation exposure limits for emergency workers are the recommended accumulated dose limits or exposure rates that emergency workers may be permitted to incur during an emergency. These limits include any pre-established administrative reporting limits (that take into consideration TEDE or organ-specific limits) identified in the ORO's plans/procedures.</p> <p>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 protective action guides (PAGs). (NUREG-0654/FEMA-REP-1, C.6; f; K.3.a; K.4)</p> <p>EXTENT OF PLAY: FOC/MRL field team workers and emergency workers will be provided appropriate dosimetry as needed and will follow plans and procedures regarding the use of dosimetry, issuance of Potassium Iodide (KI) and emergency worker exposure guidelines and limits. Should an evacuation of the FOC/MRL be ordered as a protective decision, this evacuation will be simulated by interview. Demonstration through interview can occur regarding exceeding emergency worker exposure limits at the FOC/MRL location. The taking of KI may also be simulated.</p>	<p>Operational Coordination</p> <p>Environmental Response/Health and Safety</p> <p>Situational Assessment</p>
<p><u>Sub-element 2.b.1 – Radiological Assessment, Protective Action Recommendations, and Precautionary and/or Protective Action Decisions for the Plume Phase of the Emergency</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to independently project integrated dose from projected or actual dose rates and compare these estimates to the PAGs.</p> <p>ORO must have the capability to choose among a range of protective actions those most appropriate in a given emergency. OROs base these choices on PAGs from their plans/procedures or EPA's Manual of Protective Action Guides and Protective Actions for Nuclear Incidents and other criteria, such as plant conditions, licensee PARs,</p>	<p>Operational Coordination</p> <p>Intelligence & Information Sharing</p> <p>Environmental Response/Health and Safety</p> <p>Operational Communications</p> <p>Situational Assessment</p>

coordination of precautionary and/or protective action decisions with other political jurisdictions (e.g., other affected OROs and incident command), availability of in-place shelter, weather conditions, and situations, to include HAB incidents, the threat posed by the specific hostile action, the affiliated response, and the effect of an evacuation on the threat response effort that create higher than normal risk from general population evacuation.

Criterion 2.b.1: Appropriate protective action recommendations (PARs) are based on available information on plant conditions, field monitoring data, and licensee and ORO dose projections, as well as knowledge of onsite and offsite environmental conditions. (NUREG-0654/FEMA-REP-1, I.10 and Supplement 3)

EXTENT OF PLAY: Potential plume location and dose will be projected through the use of models, data from the field, monitoring teams, and information provided by the licensee. Appropriate Protective Action Recommendations (PARs) will be developed as outlined in the Plan. SRC will have a Radiological Operations Support Specialist (ROSS) participate, but they will not be evaluated.

Manitowoc and Kewaunee Counties will not be evaluated for this criterion.

Criterion 2.b.2: A decision-making process involving consideration of appropriate factors and necessary coordination is used to make precautionary and/or protective action decisions for the general public (including the recommendation for the use of KI, if ORO policy). (NUREG-0654/FEMA-REP-1, A.3; C.4, 6; D.4; J.9; J.10.e, f; m)

EXTENT OF PLAY: A decision making process involving consideration of all relevant factors and all necessary coordination will be utilized as outlined in the Plan. A PAR/PAD board within WebEOC may be used but will not be evaluated.

Decision makers will determine protective action(s) subsequent to discussion with the State Emergency Operations Center (SEOC), Manitowoc, and Kewaunee Counties' EOCs and following recommendations from the licensee and the State Radiological Coordinator (SRC).

[Note: the WebEOC PAR/PAD board tool's functionality and/or limitations are not intended for evaluation during the Exercise. The *Green Sheet* remains the formal document for issuing the PAR from the SRC.]

<p><u>Sub-element 2.c – Precautionary and/or Protective Action Decision Consideration for the Protection of Persons with Disabilities and Access/Functional Needs</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to determine precautionary and/or protective action decisions, including evacuation, sheltering, and use of KI, if applicable, for groups of persons with disabilities and access/functional needs (e.g., hospitals, nursing homes, correctional facilities, schools, licensed day cares, mobility-impaired individuals, and transportation-dependent individuals). The focus is on those groups of persons with disabilities and access/ functional needs that are or potentially will be affected by a radiological release from an NPP.</p> <p>Criterion 2.c.1: Precautionary and/or protective action decisions are made, as appropriate, for groups of persons with disabilities and access/functional needs. (NUREG-0654/ FEMA-REP-1, D.4; J.9; J.10.d, e)</p> <p>EXTENT OF PLAY: Protections for groups of persons with access/functional needs are included in the State and counties' Emergency Operations Plans to include notification, evacuation of schools, and the use of KI. These decisions will be demonstrated per their respective plans.</p> <p>The State of Wisconsin, Manitowoc County, and Kewaunee County requested and were granted partial credit for this criterion due to their respective responses to the COVID-19 Pandemic. Decisions for special populations regarding evacuations, sheltering-in-place, and Potassium Iodide (KI) will be evaluated. No other element of this criterion will be evaluated.</p>	<p>Operational Coordination</p> <p>Operational Communications</p> <p>Situational Assessment</p>
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<p><u>Sub-element 2.d. – Radiological Assessment and Decision Making for the Ingestion Exposure Pathway</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the means to assess the radiological consequences for the ingestion exposure pathway, relate them to the appropriate PAGs, and make timely, appropriate PADs to mitigate exposure from the pathway. During an incident at an NPP, a release of radioactive material may contaminate water supplies and agricultural products in the surrounding areas. Any such contamination would likely occur during the plume phase of the incident and, depending on the nature of the release, could impact the ingestion exposure pathway for weeks or years.</p> <p>Criterion 2.d.1: Radiological consequences for the ingestion pathway are assessed and appropriate protective action decisions are made based on the ORO's planning criteria. (NUREG-0654/FEMA-REP-1, A.3; C.1, 4; D.4; J.9,11)</p> <p>EXTENT OF PLAY: This criterion will not be evaluated.</p>	<p>Operational Coordination</p> <p>Environmental Response/Health and Safety</p> <p>Situational Assessment</p>
<p><u>Sub-element 2.e. – Radiological Assessment and Decision Making Concerning Post-Plume Phase Relocation, Re-entry and Return</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMA-REP-1, which requires that OROs have the capability to make decisions on post-plume phase relocation, reentry, and return of the general public. These decisions are essential for protection of the public from direct long-term exposure to deposited radioactive materials from a sever incident at an NPP.</p> <p>Criterion 2.e.1: Timely post-plume phase relocation, reentry, and return decisions are made and coordinated as appropriate, based on assessments of the radiological conditions and criteria in the ORO's plan and/or procedures. (NUREG-0654/FEMA-REP-1, I.10; J.9; K.2.a; M.1)</p> <p>EXTENT OF PLAY: This criterion will not be evaluated.</p>	<p>Operational Coordination</p> <p>Environmental Response/Health and Safety</p> <p>Situational Assessment</p> <p>Economic Recovery</p> <p>Health and Social Services</p> <p>Housing</p> <p>Natural and Cultural Resources</p>
<p>ASSESSMENT AREA 3 – PROTECTIVE ACTION IMPLEMENTATION</p>	
<p><u>Sub-element 3.a – Implementation of Emergency Worker Exposure Control</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to provide for the following: distribution, use, collection, and processing of direct-reading dosimetry and permanent record dosimetry; reading of</p>	<p>Operational Coordination</p> <p>Environmental Response/Health and Safety</p>

<p>direct-reading dosimetry by emergency workers at appropriate frequencies; maintaining a radiation dose record for each emergency worker; establishing a decision chain or authorization procedure for emergency workers to incur radiation exposures in excess of the PAGs, and the capability to provide KI for emergency workers, always applying the “as low as is reasonably achievable” principle as appropriate.</p> <p>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. OROs maintain appropriate recordkeeping of the administration of KI to emergency workers. (NUREG-0654/FEMA-REP-1, K.3.a, b; K.4)</p> <p>EXTENT OF PLAY: Appropriate dosimetry and KI will be issued to emergency workers in accordance with the Counties’ Emergency Operations Plans. This will occur at the FOC/MRL and/or county reception center locations, unless reasonable advanced notice is provided to the evaluators that this will occur at another location or time. An ‘Emergency Worker Dosimetry Briefing’ video will be played prior to distributing dosimetry. Should an evacuation of the FOC/MRL and/or county reception center locations be recommended due to the scenario, this evacuation will be simulated.</p>	
<p><u>Sub-element 3.b – Implementation of KI Decision for Institutionalized Individuals and the General Public</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to provide KI for institutionalized individuals, and, if in the plans/procedures, to the general public for whom immediate evacuation may not be feasible, very difficult, or significantly delayed. While it is necessary for OROs to have the capability to provide KI to institutionalized individuals, providing KI to the general public is an ORO option and must be reflected as such in ORO plans/procedures. Provisions must include the availability of adequate quantities, storage, and means of distributing KI.</p> <p>Criterion 3.b.1: KI and appropriate instructions are available if a decision to recommend use of KI is made. Appropriate record-keeping of the administration of KI for institutionalized individuals is maintained. (NUREG-0654/ FEMA-REP-1, J.10.e, f)</p>	<p>Public Information and Warning</p> <p>Operational Coordination</p> <p>Environmental Response/Health and Safety</p> <p>Public and Private Services and Resources</p>

<p>EXTENT OF PLAY: Should a decision to use Potassium Iodide (KI) be made, sufficient quantities and appropriate instructions for the use of KI will be made available. KI for the general public <u>is not</u> distributed or administered. KI for county emergency workers is transported to reception center locations per the Counties' Emergency Operation Plans and will be simulated if needed.</p>	
<p><u>Sub-element 3.c – Implementation of Precautionary and/or Protective Actions for Persons with Disabilities and Access/Functional Needs</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to implement precautionary and/or protective action decisions, including evacuation and/or sheltering, for all persons with disabilities and access/functional needs. The focus is on those persons with disabilities and access/ functional needs that are (or potentially will be) affected by a radiological release from an NPP.</p> <p>Criterion 3.c.1: Precautionary and/or protective action decisions are implemented for persons with disabilities and access/ functional needs other than schools within areas subject to protective actions. (NUREG-0654/FEMA-REP-1, J.10.c, d, e, g)</p> <p>EXTENT OF PLAY: Manitowoc and Kewaunee County will demonstrate the ability and describe the resources to implement appropriate protective actions for their special population groups. The County's Chief Elected Official or his/her designee will evaluate protective action recommendations from the State and determine whether those recommendations are appropriate for the local situation.</p> <p>Manitowoc and Kewaunee County EOC staff maintains a list of people with special transportation needs (as provided by the clients) as well as agencies who serve clients with special needs and will simulate providing evacuation assistance for these people by contacting transportation providers.</p> <p>The list of people with special transportation needs is available for evaluators to review but cannot be copied or removed from either county EOC in order to protect confidentiality. Both Counties EOC staff will plan for people with special transportation needs and simulate providing evacuation assistance, as driven by the scenario.</p> <p>No KI is provided to special populations in the 10 Mile EPZ. Neither Kewaunee nor Manitowoc County has any prison/jails inside the Point</p>	<p>Public Information and Warning</p> <p>Operational Coordination</p> <p>Critical Transportation</p> <p>Environmental Response/Health and Safety</p>

<p>Beach Nuclear Plant EPZ. The remaining special populations follow their own individual plans.</p> <p>These actions will be performed but will not be evaluated.</p> <p>Criterion 3.c.2: OROs/School officials implement precautionary and/or protective actions for schools. (NUREG-0654/FEMA-REP-1, J.10.c, d, e, g)</p> <p>EXTENT OF PLAY: Kewaunee County has no schools within the 10-mile EPZ of the Point Beach Nuclear Plant. However, there are plans to keep children from returning home that live in the EPZ but attend school outside of the EPZ.</p> <p>Evacuations for the Kewaunee School District were previously evaluated, and this criterion was considered Met by FEMA previously in this 8-year cycle by demonstration on September 15th, 2015 and September 19th, 2017.</p> <p>Upon request, the Superintendent or a School representative may be available to discuss the plans via interview out of sequence.</p> <p>School evacuations will be simulated in the Kewaunee County EOC but will not be evaluated. Additionally, no school representative will be in Kewaunee's EOC.</p> <p>Manitowoc County has two schools within the 10-mile EPZ of Point Beach Nuclear Plant. Evacuations for the Mishicot School District and Two Rivers School District were previously demonstrated and evaluated in this 8-year cycle. FEMA evaluation found this criterion was Met by the Mishicot School District on September 15th, 2015 and Two Rivers School District on September 19th, 2017. There are no other school districts within the EPZ, however Manitowoc County has plans to keep children from returning home that live in the EPZ but attend school outside the EPZ.</p> <p>Upon request, the Superintendent or a School representative may be available to discuss the plans via interview out of sequence.</p> <p>School evacuations will be simulated in the Manitowoc County EOC but will not be evaluated. Additionally, no school representative will be in Manitowoc's EOC. An inject will be given following the simulated calls advising that the schools have completed their actions.</p>	
<p>Sub-element 3.d. – Implementation of Traffic and Access Control</p>	<p>Operational Coordination</p>

<p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to implement protective action plans/procedures, including relocation and restriction of access to evacuated/sheltered areas. This Sub-element focuses on selecting, establishing, and staffing of traffic and access control points, and removal of impediments to the flow of evacuation traffic.</p> <p>Criterion 3.d.1: <u>Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel. (NUREG-0654/FEMA-REP-1, A.3; C.1,4; J.10.g, j)</u></p> <p>EXTENT OF PLAY:.</p> <p>The Kewaunee County Sheriff's office will discuss and designate traffic and access control points. This will occur at the Kewaunee County EOC. An example traffic and access control point will be established in the parking lot of the Kewaunee County Emergency Operations Center and be demonstrated by interview at 8:15am on Tuesday, September 14th.</p> <p>Manitowoc County requested and was granted full credit for this criterion due to their responses to the COVID-19 Pandemic. This criterion will not be demonstrated or evaluated for Manitowoc County.</p> <p>Criterion 3.d.2: <u>Impediments to evacuation are identified and resolved. (NUREG-0654/FEMA-REP-1, J.10.k)</u></p> <p>EXTENT OF PLAY: One impediment to evacuation will be injected to each county and they will demonstrate the decision-making process to select alternative routes, inform the public of restrictions related to the impediment, and develop a plan to remove the impediment. This coordinated effort will be demonstrated by both the Manitowoc County EOC, Kewaunee County EOC, as well as the JIC.</p>	<p>Critical Transportation</p> <p>On-scene Security and Protection</p> <p>Operational Coordination</p> <p>Critical Transportation</p> <p>Infrastructure Systems</p>
<p><u>Sub-element 3.e – Implementation of Ingestion Exposure Pathway Decisions</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to implement protective actions, based on criteria recommended by current FDA guidance, for the ingestion exposure pathway EPZ (i.e., the area within an approximate 10-mile radius of the NPP). This Sub-element focuses on those actions required for implementation of protective actions.</p>	<p>Operational Coordination</p> <p>Public Information and Warning</p>

<p>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. (NUREG-0654/FEMAREP-1, A.3; C.1, 4; J.11)</p> <p>EXTENT OF PLAY: This criterion will not be demonstrated or evaluated.</p> <p>Criterion 3.e.2: Appropriate measures, strategies, and preprinted instructional material are developed for implementing protective action decisions for contaminated water, food products, milk, and agricultural production. (NUREG-0654/ FEMA-REP-1, G.1, J.9, 11)</p> <p>EXTENT OF PLAY: This criterion will not be demonstrated or evaluated.</p>	
<p><u>Sub-element 3.f – Implementation of Post-Plume Phase Relocation, Reentry, and Return Decisions</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to implement plans, procedures, and decisions for post-plume phase relocation, reentry, and return. Implementation of these decisions is essential for protecting the public from direct long-term exposure to deposited radioactive materials from a severe incident at a commercial NPP. Criterion 3.f.1: Decisions regarding controlled reentry, relocation, and return of individuals during the post-plume phase are coordinated with appropriate organizations and implemented. (NUREG-0654/FEMA-REP-1, E.7; J.10.j; J.12; K.5.b; M.1, 3)</p> <p>EXTENT OF PLAY: This criterion will not be demonstrated or evaluated.</p>	<p>Operational Coordination</p> <p>Critical Transportation</p> <p>Economic Recovery</p> <p>Health and Social Services</p> <p>Housing</p> <p>Natural and Cultural Resources</p>
ASSESSMENT AREA 4 – FIELD MEASUREMENT AND ANALYSIS	
<p><u>Sub-element 4.a – Plume Phase Field Measurements and Analyses</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to deploy FMTs with the equipment, methods, and expertise necessary to determine the location of airborne radiation and particulate deposition on the</p>	<p>Operational Coordination</p> <p>Situational Assessment</p>

ground from an airborne plume. In addition, NUREG-0654/FEMA-REP-1 indicates that OROs must have the capability to use FMTs within the plume exposure pathway EPZ to detect airborne radioiodine in the presence of noble gases and radioactive particulate material in the airborne plume. In an incident at an NPP, the possible release of radioactive material may pose a risk to the nearby population and environment. Although incident assessment methods are available to project the extent and magnitude of a release, these methods are subject to large uncertainties. During an incident, it is important to collect field radiological data to help characterize any radiological release. Adequate equipment and procedures are essential to such field measurement efforts.

Criterion 4.a.1: [Reserved]

Criterion 4.a.2: Field teams (2 or more) are managed to obtain sufficient information to help characterize the release and to control radiation exposure. (NUREG-0654/FEMA-REP-1, C.1; H.12; I.7, 8, 11; J.10.a)

EXTENT OF PLAY: Three field monitoring teams will be pre-staged and dispatched (two for evaluation) from the FOC/MRL under the control of the Field Team Manager and at the direction of the SRC. Field monitoring team survey results will be transmitted to the FOC/MRL. At least one sample will be transported to the FOC/MRL to demonstrate sample receipt via courier or directly by a team.

Manitowoc and Kewaunee Counties will not be evaluated for this criterion.

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. (NUREG-0654/FEMA-REP-1, C.1; H.12; I.8, 9; J.10.a)

EXTENT OF PLAY: Field monitoring teams are capable of obtaining airborne radioiodine and particulate samples, determine field radioiodine measurements, transmit data and deliver samples to the FOC/MRL team. The measurement of and calculation of particulate samples will occur at the field laboratory or via discussion at the mobile lab. Personal Protective Equipment (PPE) will be simulated. Charcoal cartridges will be used as a substitute for silver zeolite. Field Monitoring Teams will demonstrate the ability to obtain ambient radiation measurements and air samples. All radiological readings for

<p>this exercise will be injected by a controller. [Note: The use of Rad Responder will be evaluated.]</p> <p>Manitowoc and Kewaunee Counties will not be evaluated for this criterion.</p>	
<p><u>Sub-element 4.b – Post-Plume Phase Field Measurements and Sampling</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to assess the actual or potential magnitude and locations of radiological hazards to determine the ingestion exposure pathway EPZ and to support relocation, reentry, and return decisions. This Sub-element focuses on collecting environmental samples for laboratory analyses that are essential for decisions on protecting the public from contaminated food and water and direct radiation from deposited materials.</p> <p>Criterion 4.b.1: The field teams (2 or more) demonstrate the capability to make appropriate measurements and to collect appropriate samples (e.g., food crops, milk, water, vegetation, and soil) to support adequate assessments and protective action decision making. (NUREG-0654/FEMA-REP-1, C.1; I.8; J.11)</p> <p>EXTENT OF PLAY: This criterion will not be demonstrated or evaluated.</p>	
<p><u>Sub-element 4.c – Laboratory Operations</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to perform laboratory analyses of radioactivity in air, liquid, and environmental samples to support protective action decision making.</p> <p>Criterion 4.c.1: The laboratory is capable of performing required radiological analyses to support protective action decisions. (NUREG-0654/FEMA-REP-1, C.1, 3; J.11)</p> <p>EXTENT OF PLAY: The Wisconsin Department of Health Services, Radiation Protection Section will deploy its FOC/MRL to the Manitowoc County Highway Department for this exercise and will be evaluated. The sample receipt, prep, and analysis will also be evaluated. A sample collected by field teams will be transported to, prepared by, and measured for transmittal to the SRC by the MRL. Actual transmittal of data may not occur due to the exercise ending,</p>	<p>Environmental Response / Health and Safety</p>

<p>however the Lab Service Coordinator is available to discuss how it would be accomplished.</p> <p>This criterion will be performed but not be evaluated.</p>	
ASSESSMENT AREA 5 – EMERGENCY NOTIFICATION AND PUBLIC INFORMATION	
<p><u>Sub-element 5.a – Activation of the Prompt Alert and Notification System</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to provide prompt instructions to the public within the plume exposure pathway EPZ. Specific provisions addressed in this Sub-element are further discussed in Section V, Part A of this Manual, Alert and Notification Systems.</p> <p>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. (NUREG-0654/FEMA-REP-1, E.5, 6, 7)</p> <p>EXTENT OF PLAY: Manitowoc County Emergency Services (primary) will simulate sending an IPAWS Wireless Emergency Alert to the Point Beach Emergency Planning Zone. The State of Wisconsin is the backup alert sender. IPAWS Demonstration Proficiency data and a copy of the WEA alert will be available upon request via IPAWS Lab. If WEA documentation through IPAWS Lab fails, backup to WEA alerts is route-alerting, which was previously evaluated and found Met on June 11th, 2019.</p> <p>Emergency Alert System (EAS) and Special News Broadcast simulated messages to WOMT (Manitowoc) and WDOR (Kewaunee) will be generated and simulated but will not be broadcasted. Based on PAD activity for this exercise, simulated EAS messages may be utilized to demonstrate this activity.</p> <p>WDOR in Kewaunee County does operate 24/7, but it is not manned between the hours of 5:00 p.m. to 6:00 a.m. The county has a plan to contact WDOR's on-call person at an Alert ECL, who would then go to the station.</p> <p>WOMT in Manitowoc County is not manned 24/7.</p> <p>Criterion 5.a.2: <i>[Reserved]</i></p>	<p>Public Information and Warning</p> <p>Operational Coordination</p> <p>Operational Communications</p>

<p>Criterion 5.a.3: Backup alert and notification of the public is completed within a reasonable time following the detection by the ORO of a failure of the primary alert and notification system. (NUREG-0654/FEMA-REP-1, E.6, Appendix 3.B.2.c)</p> <p>EXTENT OF PLAY: Backup route alerting will not be demonstrated or evaluated during this exercise.</p> <p>Criterion 5.a.4: Activities associated with FEMA-approved exception areas (where applicable) are completed within 45 minutes following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. (NUREG-0654/FEMA-REP-1, E.6; Appendix 3.B.2.c)</p> <p>EXTENT OF PLAY: There are no FEMA recognized exception areas in either Manitowoc or Kewaunee Counties. This criterion will not be demonstrated or evaluated.</p>	
<p><u>Sub-element 5.b – Subsequent Emergency Information and Instructions for the Public and the Media</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to disseminate appropriate emergency information and instructions, including any recommended protective actions, to the public. In addition, NUREG-0654/FEMAREP-1 requires OROs to ensure that the capability exists for providing information to the media. This includes the availability of a physical location for use by the media during an emergency. NUREG-0654/FEMA-REP-1 also provides that a system must be available for dealing with rumors. This system will hereafter be known as the “public inquiry hotline.”</p> <p>Criterion 5.b.1: OROs provide accurate subsequent emergency information and instructions to the public and the news media in a timely manner. (NUREG-0654/FEMA-REP-1, E.5, 7; G.3.a, G.4.a, c)</p> <p>EXTENT OF PLAY: The State will demonstrate the formulation and dissemination of accurate information and instructions, including pre-scripted EAS and Special News Broadcast messages provided to the JIC. The State of Wisconsin PIOs in the JIC will coordinate with the SEOC and PIOs from the counties and the utility to ensure the media is briefed in a clear, accurate, and timely manner. Procedures for early notification of the media will be demonstrated in the SEOC prior</p>	<p>Public Information and Warning</p> <p>Operational Communications</p>

<p>to the activation of the JIC, if driven by the scenario. Public inquiry calls will be handled by the WI-DIAL call center (located physically in the SEOC WI-DIAL room and also remotely via United Way 211 Wisconsin operators). The WI-DIAL will be staffed by WEM personnel and United Way 211 Wisconsin personnel. All incoming calls to the WI-DIAL staff will be simulated via a SimCell located remotely.</p> <p>The state pre-distributes ingestion information in the <i>WI Radiological Emergency Information for Farmers, Food Processors, and Distributors</i> booklet. This is sent to County Ag Extension Agents and Emergency Management Directors both in hard copy and electronically for posting to their websites. If extra copies are needed, WEM has an emergency printing process in place, this portion will be simulated.</p> <p>Manitowoc and Kewaunee County will have a Public Information Officer (PIO) present at the JIC who will work with the state, utility, and other county PIOs to ensure that their county's interests and concerns are accurately represented in the media briefings. The counties use the WI-DIAL call center to assist with rumor control. All media briefings will be done at the JIC in Green Bay. The Manitowoc and Kewaunee County PIOs assigned to the JIC will work closely with the PIOs at the county EOC to make sure media releases are accurate and coordinated.</p> <p>The State of Wisconsin, Manitowoc County, and Kewaunee County requested and were granted partial credit for this criterion due to their respective responses to the COVID-19 Pandemic.</p> <p>Rumor and trend identification and subsequent news releases to address these will be evaluated. Simulated messaging pertaining to public actions recommended due to the radiological emergency will be evaluated. Evacuation reroute messaging based on the traffic impediments will be evaluated. The remaining elements of this criterion will be performed in accordance with the respective agencies' plans and procedures but will not be evaluated.</p>	
ASSESSMENT AREA 6 – SUPPORT OPERATION/FACILITIES	
<p><u>Sub-element 6.a – Monitoring, Decontamination, and Registration of Evacuees</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to implement radiological monitoring and decontamination of evacuees, while minimizing contamination of the facility. OROs must also have the capability to identify and register evacuees at reception centers.</p>	<p>Environmental Response/Health and Safety</p> <p>Mass Care Services</p>

<p>Criterion 6.a.1: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees. (NUREG-0654/FEMA-REP-1, A.3; C.4; J.10.h; J.12)</p> <p>EXTENT OF PLAY: The State of Wisconsin will demonstrate the adequacy of procedures, facilities, equipment and personnel for radiological monitoring and decontamination. Health monitoring teams will demonstrate radiological monitoring and decontamination of evacuees at reception centers in accordance with the applicable County reception center procedures. Both counties will set up and operate at least three monitoring stations (i.e. two portal monitors and one hand monitor).</p> <p>The health monitoring teams will include personnel from the DHS-RPS and individuals from the counties who have received training as Auxiliary Health Monitors. The personnel from the county will work under the supervision of DHS-RPS staff and will be evaluated as a part of the State of Wisconsin's response.</p> <p>Once each reception center is operational and monitors have surveyed several evacuees to establish flow, evacuees will be monitored and registered, with one evacuee requiring decontamination. Two evacuee vehicles will be monitored, one of which will require decontamination.</p> <p>Reception center demonstrations for this criterion are a County responsibility and will be held out-of-sequence. Kewaunee County Reception Center will be demonstrated but not evaluated on Monday, August 2nd, 2021, beginning at ~6 p.m. at the Luxemburg-Casco Intermediate School, 318 N. Main Street, Luxemburg, WI. In Manitowoc County, the Reception Center demonstration will be held out-of-sequence but not evaluated, with set-up beginning at ~6 pm on Monday, September 13th, 2021, at the Manitowoc County Highway Department, 3500 Highway 310, Manitowoc, WI.</p> <p>This criterion will be performed but not evaluated.</p>	
<p><u>Sub-element 6.b – Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMA-REP-1, which requires that OROs have the capability to implement radiological monitoring and decontamination of emergency workers and their equipment, inclusive of vehicles.</p>	<p>Environmental Response/Health and Safety</p>

<p>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. (NUREG-0654/FEMA-REP-1, K.5.a, b)</p> <p>EXTENT OF PLAY: Health monitoring teams for Kewaunee County will demonstrate this criterion out of sequence, at 6:00 p.m. on Monday, August 2nd 2021 at the Kewaunee Reception Center (Luxemburg-Casco Intermediate School). On Monday, September 13th, 2021, Manitowoc will demonstrate this criteria at the Manitowoc County Reception Center (County Highway Commission), 3500 Highway 310, Manitowoc, Wisconsin at approximately 6:00 p.m. (Reception Center personnel will demonstrate the monitoring of one emergency worker and one vehicle, which will require decontamination at each reception center.</p> <p>This criterion will be performed but not evaluated.</p>	
<p><u>Sub-element 6.c – Temporary Care of Evacuees</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMA-REP-1, which requires OROs to have the capability to establish relocation centers in host/support jurisdictions. The American Red Cross normally provides congregate care in support of OROs under existing letters of agreement.</p> <p>Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities. (NUREG-0654/FEMA-REP-1, J.10.h, J.12)</p> <p>EXTENT OF PLAY: This criterion will not be demonstrated or evaluated.</p>	<p>Operational Coordination</p> <p>Mass Care Services</p>
<p><u>Sub-element 6.d – Transportation and Treatment of Contaminated Injured Individuals</u></p> <p>INTENT: This Sub-element is derived from NUREG-0654/FEMAREP-1, which requires that OROs have the capability to transport contaminated injured individuals to medical facilities with the capability to provide medical services.</p>	<p>Operational Coordination</p> <p>Environmental Response/Health and Safety</p> <p>Public Health and Medical Services</p>

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. (NUREG-0654/FEMAREP-1, F.2; H.10; K.5.a, b; L.1, 4)

EXTENT OF PLAY: Two medical hospital drills will be held for this exercise. The first demonstration (Kewaunee County) will occur out-of-sequence on **Monday, August 2nd, 2021 at 4:30pm** at Aurora Bay Care Medical Center, 2845 Greenbrier Road, Green Bay. The hospital portion of the drill will be a continuation of the Kewaunee County ambulance drill but will be demonstrated separately and first. The Reception Center portion will commence at ~6:00 p.m. at the Kewaunee County Reception Center. The transportation portion of the Reception Center drill will begin at ~7:00 p.m. and will not transport to the hospital. Once the ambulance drill loads the contaminated patient into the ambulance and simulates calling the hospital that will conclude the ambulance and transportation drill. A separate contaminated/injured individual will be used during the hospital portion and will be pre-staged at the hospital. They will be cocooned and transferred by the Ambulance at 5:00pm and the ambulance staff PPE and Dosimetry will be simulated at the hospital. After checking the ambulance, it will be released to go to the Reception Center for the remainder of the demonstration, including the PPE and Dosimetry.

Luxemburg Rescue Service personnel will demonstrate the packaging and preparation for transport of a potentially contaminated medical victim at the Reception Center. Ambulance personnel will make a report to Aurora Bay Care Medical Center and simulate transport to that facility. The hospital will demonstrate setting up the Radiological Emergency Area, providing appropriate medical care to the patient, and monitoring and decontamination of the patient.

The second medical hospital drill will occur out of sequence on **Monday, September 13th, 2021** at ~1:30pm at the Holy Family Memorial Hospital, 2300 Western Avenue, Manitowoc. The hospital portion of the drill will be a continuation of the Manitowoc County ambulance drill. A contaminated/injured individual will be used during the hospital portion and will be pre-staged at the hospital upon arrival of the ambulance. The ambulance crew will receive a dosimetry briefing and issuance from a controller in the Hospital parking lot. They will then prepare and load the patient and arrive at the hospital. The hospital will be activated by an injected call to the ED and will demonstrate setting up the Radiological Emergency area as the ambulance is prepared, providing appropriate medical care to the patient, and monitoring and decontamination of the patient.

FEMA NOTE – Due to COVID-related and exercise logistical constraints, The Holy Family Memorial Hospital MS-1 Demonstration was Exempted by the FEMA Region 5 RAC Chair for CY 2021 and will be fully demonstrated in CY 2022.

Manitowoc Fire Department EMS personnel will demonstrate the packaging and preparation for transport of a potentially contaminated medical victim in the parking lot of the hospital. Ambulance personnel will make an injected report to Holy Family Memorial Medical Center (2300 Western Avenue, Manitowoc) and transport to that facility once signaled by the controller.	
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4. Standards & References

All play, demonstrations, and interviews will be conducted in accordance with the State of Wisconsin Emergency Response Plan, Wisconsin Department of Health Radiological Incident Response Plan, Manitowoc County Emergency Operations Plan, Kewaunee County Emergency Operations Plan, and related procedures, protocols and checklists. The following primary references, plans, and procedures will be used during exercise play:

- WEM Duty Officer Manual
- WEM SEOC Operations Manual

5. Exercise Parameters

The 2021 Point Beach Nuclear Plant Plume Pathway Full Scale Exercise (September 14th, 2021) will require decisions from Offsite Response Agencies with regard to the protection of the health and safety of the public as a result of a radiological plume release from the Point Beach Nuclear Plant and the potential for contamination out to the 10-mile Ingestion Pathway Zone into the environment. Approximately 14 separate offsite response venues will be activated, including Emergency Operation Centers, Radiological Field Teams, Reception Centers, and the Joint Information Center.

Controllers and/or evaluators may request re-demonstration of any area as long as it does not impede exercise play. Criteria that can be re-demonstrated immediately for credit include the following: 3.a.1, 3.b.1, 3.d.1, 3.d.2, 4.a.3, and 6.d.1. Criteria that may be re-demonstrated, as approved on a case-by-case basis by the Chairperson of the Regional Assistance Committee (RAC), include the following: 2.a.1, 2.b.1, 2.b.2, 5.a.1 and 5.b.1. The State of Wisconsin wishes to re-demonstrate any areas of concern during the week of the exercise, if possible.

The following criteria will not be in play: 1.b.1, 2.d.1, 2.e.1, 3.e.1, 3.e.2, 3.f.1, 4.a.1, 4.b.1, 4.c.1, 5.a.2, 5.a.3, 5.a.4, 6.a.1, 6.b.1, 6.c.1

6. Exercise Participants

State of Wisconsin

Wisconsin Emergency Management (WEM)
 Department of Health Services- Radiation Protection Section (DHS)
 Department of Health Services- Public Health (DHS)
 Department of Agriculture, Consumer, Trade Protection (DATCP)
 Department of Natural Resources (DNR)
 Department of Children and Families (DCF)
 Department of Transportation – Highways (DOT)
 Wisconsin State Patrol (WSP)

WI National Guard (WING)
 Department of Justice (DOJ)
 Department of Administration (DOA)
 ARES/RACES
 Point Beach Utility Liaison
 WI-DIAL Public Hotline (211 Wisconsin)

Manitowoc County

Emergency Services
 Public Health
 Public Works/Co. Highway Dept.
 Sheriff's Dept./LE
 Human Services
 County Ag UW-Extension
 Fire/Rescue
 WEM Liaison
 Point Beach Utility Liaison
 ARES/RACES
 American Red Cross

Kewaunee County

Emergency Management
 County Board Representative
 Law Enforcement
 Public Health
 County Ag UW-Extension
 WEM Liaison
 Point Beach Utility Liaison
 Fire/EMS
 Human Services
 Co. Highway Dept.
 American Red Cross
 ARES/RACES

Point Beach Nuclear Plant

Federal

FEMA Region V
 Nuclear Regulatory Commission (NRC), Region III
 Department of Energy (DOE)
 National Weather Service (NWS)
 United States Coast Guard (USCG)

APPENDIX F: Onsite/Offsite Scenario Timeline

Monday, August 2, 2021	
1830 CDT	MS-1 Hospital: Aurora Bay Care Medical Center
Monday, September 13, 2021	
1400 CDT	DHS/FEMA Pre-Exercise Meeting (All Evaluators) - Woods Golf Club and Banquet Facility
Tuesday, September 14, 2021	
0800 CDT	Seismic Event and SFP RMS rad monitors and SFP leak) <ul style="list-style-type: none"> • Seismic Event causing leak on suction of SFP pump. • AOP-8F, AOP-28 and AOP-11C
0815 CDT	CR declares a UE based on RU2.1 , lowering SFP level + rise on RE-105 / RE-135
0830 CDT	NARS notification for the UE (first agency contacted)
0915 CDT	ALERT – RA 2.3 level continues to lower < 49' (RE-105 / RE-135 in alarm and increasing)
0930 CDT	CR declares an Alert based on: Loss or potential loss of any two barriers.
0945 CDT	NARS notification for the Alert (first agency contacted).
1000 CDT	Manitowoc, Kewaunee, and State EOCs activate.
~1000 CDT - 1045 CDT	JIC and WI-DIAL activate.
1045 CDT	SFP continues to lower to 40' 8"
1100 CDT	TSC declares a SAE based on RS2.1 , SFP Level < 40 ft.8 in.
1115 CDT	NARS notification for the SAE (first agency contacted).
1130 CDT	PAD for special populations/schools.
1130 CDT	Livestock Advisory
1130 CDT	Field Team Activation
1145 CDT	TSC declares a GE based on RG2.1 , SFP level < 40 ft.8 in. for > 60 min.
1200 CDT	NARS notification for the GE (first agency contacted).
1215 CDT	PAR/PAD Call
1230 CDT	IPAWS/EAS Notification to the Public
~1230 CDT – 1300 CDT	JIC Briefing
1230 CDT	Terminate the onsite portion of the drill once the site has generated a plan to terminate the release by locally isolating the leaking RHR system. State Liaison, EOF Dose Assessor and RP Manager and the JIC will remain playing to support offsite functions.
1245 CDT	Traffic Impediments
1345 CDT	Termination of Offsites Plume Phase Exercise.

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Radiological Emergency Preparedness (REP) Program

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