



FEMA

JAN 28 2011

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U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

To Whom It May Concern:

Enclosed is one copy of the After Action Report / Improvement Plan for the October 26, 2010, Radiological Emergency Preparedness (REP) Full Participation Plume Exposure Pathway Exercise for the Point Beach Nuclear Plant. Under separate cover, four copies of this report are being sent to the Wisconsin Emergency Management Administrator for distribution to the Counties of Kewaunee and Manitowoc along with an additional copy for the state. The State of Wisconsin, Kewaunee and Manitowoc Counties, and the utility owner/operator, NextEra Energy, participated in this exercise. The After Action Report / Improvement Plan was prepared by the U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region V, Radiological Emergency Preparedness Program.

No Deficiencies were identified for any jurisdiction during this exercise.

There were four Areas Requiring Corrective Action (ARCAs) identified for the State of Wisconsin during this exercise; one of these ARCAs was successfully redemonstrated during the exercise.

The first ARCA for the State of Wisconsin was identified under Criterion 1. e. 1 - Equipment, maps, displays, dosimetry, potassium iodide, and other supplies are sufficient to support emergency operations - whereby the Mobile Radiological Laboratory did not conduct pre-operational checks of their survey instruments and used instruments that did not have calibration or operating range labels.

The second ARCA for the State of Wisconsin was identified under Criterion 5. b. 1 - Emergency Information and Instructions to the Public and the Media - whereby the State Emergency Operations Center (SEOC) issued a press release instructing the public to call the Joint Information Center (JIC) Public Inquiry Hotline approximately one half hour before the hotline staff was operational.

The third ARCA for the State of Wisconsin was identified under Criterion 6. a. 1 - Monitoring and Decontamination of Evacuees and Emergency Workers - whereby staff at the Manitowoc County Highway Department Reception Center received inadequate training and/or practice on procedures and demonstrated improper use of survey instrumentation. This ARCA was successfully redemonstrated

during the exercise. The State is required to submit corrected procedures regarding the proper use of instrumentation for review within ninety (90) calendar days of the October 26, 2010 Exercise.

The fourth ARCA for the State of Wisconsin was identified under Criterion 1. c. 1 - Direction and Control - whereby State Field Team briefings were not conducted by the Field Team Leader due to inadequate communication and coordination between the Field Response Manager and Field Team Leader in the Forward Operating Center.

There were two prior ARCAs and a Planning Issue identified for the State of Wisconsin that were resolved during this exercise. These issues included Criterion 1.c.1 - Direction and Control, 6. a. 1 - Monitoring and Decontamination of Evacuees and Emergency Workers, and Criterion 2. b. 2 - A decision making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public (including KI, if ORO policy).

The first ARCA from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 1. c. 1 - Direction and Control - whereby a lack of adequate direction and control resulted in team performance being less than optimal because there were no team briefings and no opportunities were taken to have a group discussion of key issues at hand.

The second ARCA from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 6. a. 1 - Monitoring and Decontamination of Evacuees and Emergency Workers - whereby staff at the Manitowoc County Highway Department Vehicle Monitoring and Decontamination Station received inadequate training and/or practice on procedures and demonstrated improper use of survey instrumentation.

The Planning Issue from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 2. b. 2 - A decision making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public (including KI, if ORO policy) - whereby the State Emergency Operations Center staff used checklists and guidance during the General Emergency that did not accurately reflect the process or steps by which a Protective Action Recommendation (PAR) becomes a Protective Action Decision (PAD) in a "home rule" state.

There were no new issues identified for Kewaunee and Manitowoc Counties during this exercise.

Based on the results of the October 26, 2010, exercise, the offsite radiological emergency response plans and preparedness for the State of Wisconsin and affected local jurisdictions, site-specific to the Point Beach Nuclear Plant, can be implemented and are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of a radiological emergency at the site.

Therefore, the Title 44 CFR, Part 350, approval of the offsite radiological emergency response plans and preparedness for the State of Wisconsin site-specific to the Point Beach Nuclear Plant, granted on June 14, 1985, remains in effect.

Copies of this Report have been provided to the DHS/FEMA National Office, Nuclear Regulatory Commission (NRC) Region III, and the State of Wisconsin.

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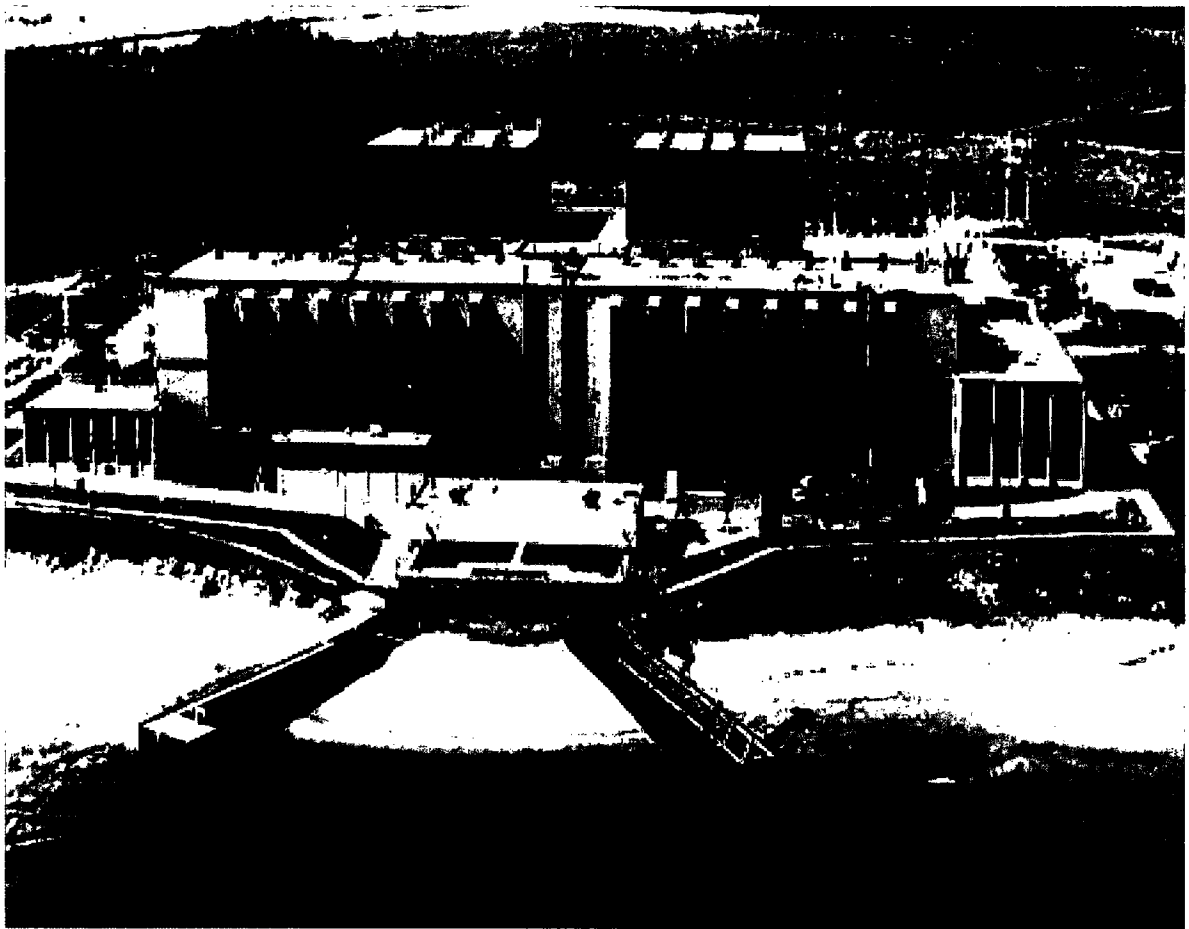
If you have any questions, please contact William E. King, Chairman, Regional Assistance Committee, DHS/FEMA, Region V, at (312) 408-5575.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Velasquez III". The signature is fluid and cursive, with a prominent "A" and "V".

Andrew Velasquez III
Regional Administrator

Enclosure (1)



Point Beach Nuclear Plant

After Action Report/ Improvement Plan

Exercise Date - October 26, 2010

Radiological Emergency Preparedness (REP) Program



FEMA

Published January 19, 2011

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Point Beach Nuclear Plant After Action Report/Improvement Plan

Published January 19, 2011

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EXECUTIVE SUMMARY

On October 26, 2010, 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.

A Radiological Emergency Preparedness (REP) Full Participation Plume and Ingestion Exposure Pathway Exercise was scheduled for December 9 and 10, 2008 in the 10-mile Emergency Planning Zone (EPZ) around the Point Beach Nuclear Plant (PBNP). The exercise was terminated early by the State of Wisconsin due to a real-world weather emergency. The termination occurred prior to PBNP notification to the State that the site had declared a General Emergency (GE) Emergency Classification Level (ECL). The early termination precluded the completion of virtually all activities for both the plume and ingestion phases of the exercise that were scheduled for December 9 and 10, 2008.

A determination was made by DHS/FEMA Headquarters that credit would only be given for the out-of-sequence activities completed on December 8, 2008, in effect reducing demonstrated activities to a REP Partial Participation Plume Exposure Pathway Exercise. The exercise activities for which credit was given were held in accordance with DHS/FEMA's policies and guidance concerning the exercise of State and local emergency operations plans and procedures. The previous complete Plume Exposure Pathway exercise was conducted on December 5, 2006. 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 contains the evaluation of the biennial exercise and the following out of sequence activities:

State of Wisconsin:

Medical Services (MS-1) Facility - Aurora BayCare Medical Center

Manitowoc County:

There were no out of sequence activities

Kewaunee County:

Dosimetry Distribution - Algoma High School Reception Center

Medical Services (MS-1) Transportation - Luxemburg Rescue Squad

No deficiencies were identified during this exercise for the State of Wisconsin or for Kewaunee or Manitowoc Counties. There were four Areas Requiring Corrective Action (ARCAs) identified for the State of Wisconsin and one of these ARCAs was successfully redemonstrated during the exercise. No ARCAs were identified for Kewaunee or Manitowoc Counties during this exercise.

There were three ARCAs and one Planning Issue from previous exercises for the State of Wisconsin. Two ARCAs and the Planning Issue from previous exercises were successfully resolved by the State of Wisconsin while the remaining ARCA will be re-demonstrated at the October 2011 Kewaunee Power Station exercise. There were no ARCAs or Planning Issues from previous exercises identified for either Kewaunee or Manitowoc Counties that required demonstration during the exercise.

The first ARCA for the State of Wisconsin was identified under Criterion 1. e. 1 – Equipment, maps, displays, dosimetry, potassium iodide, and other supplies are sufficient to support emergency operations - whereby the Mobile Radiological Laboratory did not conduct pre-operational checks of their survey instruments and used instruments that did not have calibration

or operating range labels.

The second ARCA for the State of Wisconsin was identified under Criterion 5. b. 1 - Emergency Information and Instructions to the Public and the Media - whereby the State Emergency Operations Center (SEOC) issued a press release to the Counties marked "For Immediate Release" which instructed the public to call the Joint Information Center (JIC) Public Inquiry Hotline approximately one half hour before the Hotline staff was operational.

The third ARCA for the State of Wisconsin was identified under Criterion 6. a. 1 - Monitoring and Decontamination of Evacuees and Emergency Workers - whereby staff at the Manitowoc County Highway Department Vehicle Monitoring and Decontamination Station received inadequate training and/or practice on procedures and demonstrated improper use of survey instrumentation. This ARCA was successfully redemonstrated during the exercise. The State is required to submit corrected procedures regarding the proper use of instrumentation for review within ninety (90) calendar days of the October 26, 2010 Exercise.

The fourth ARCA for the State of Wisconsin was identified under Criterion 1. c. 1 - Direction and Control - whereby State Field Team briefings were not conducted by the Field Team Leader due to inadequate communication and coordination between the Field Response Manager and Field Team Leader in the Forward Operating Center.

The first ARCA from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 1. c. 1 - A lack of adequate direction and control resulted in team performance being less than optimal. There were no team briefings and no opportunities were taken to have a group discussion of key issues at hand.

The second ARCA from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 6. a. 1 - Monitoring and Decontamination of Evacuees and Emergency Workers - whereby staff at the Manitowoc County Highway Department Vehicle Monitoring and Decontamination Station received inadequate training and/or practice on procedures and demonstrated improper use of survey instrumentation.

The Planning Issue from a previous exercise which was resolved by the State of Wisconsin was under Criterion 2. b. 2 - A decision making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public including KI (if

ORO policy) - whereby the State Emergency Operations Center staff used checklists and guidance during the General Emergency that did not accurately reflect the process or steps by which a Protective Action Recommendation (PAR) becomes a Protective Action Decision (PAD) in a "home rule" state.

The ARCA from a previous exercise which remains unresolved by the State of Wisconsin was under Criterion 5.b.1 - Emergency Information and Instruction for the Public and the Media - whereby the Joint Information Center (JIC) did not ensure that the Dominion representative forwarded News Releases, EAS Messages and Special News Broadcasts to the Dominion Power Virginia Call Center. Because the Kewaunee Power Station and the Dominion Power Virginia Call Center did not participate, this criterion was not demonstrated during the exercise.

Section 3 of this report, entitled "Analysis of Capabilities" provides detailed information regarding the ARCAs and Planning Issues.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Point Beach Nuclear Plant

Type of Exercise

Plume

Exercise Date

October 26, 2010

Program

Department of Homeland Security/FEMA Radiological Emergency Preparedness
Program

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 Point Beach Nuclear Plant exercise:

State Jurisdictions

- Wisconsin Office of the Governor
- Wisconsin State Patrol Dispatch Center
- Wisconsin Emergency Management
- Wisconsin Department of Health Services - Radiation Protection Section
- Wisconsin Public Information Office
- Wisconsin Department of Health Services
- Wisconsin State Patrol
- Wisconsin Emergency Management Radiological Officer
- Wisconsin Department of Military Affairs
- Wisconsin National Guard
- Wisconsin Division of Police Services

Wisconsin Department of Transportation
Wisconsin Department of Natural Resources
Wisconsin Department of Justice
Wisconsin Department of Corrections
University of Wisconsin - Extension Office

Risk Jurisdictions

Manitowoc County County Board Chairman
Manitowoc County Emergency Management
Manitowoc County Joint Dispatch Center
Manitowoc County Sheriff's Department
Manitowoc County Highway Department
Manitowoc County Health Department
Manitowoc County Department of Human Services
Manitowoc County Public Information Office
Manitowoc County Radiological Officer
Manitowoc County Fire & Emergency Medical Services
Kewaunee County County Board Chairman
Kewaunee County Emergency Management
Kewaunee County Sheriff's Department Dispatch Center
Kewaunee County Sheriff's Department
Kewaunee County Public Information Officer
Kewaunee County Public Health
Kewaunee County Highway Department
Kewaunee County Department of Human Services
Kewaunee County Coroner
Kewaunee County Public Health Department
Luxemburg Ambulance Squad
Algoma Fire Department
City of Two Rivers Police Department
City of Manitowoc Police Department
City of Manitowoc Mayor
Kewaunee School District
Two Rivers School District

Private Organizations

NextEra Energy Resources Point Beach Nuclear Plant

American Red Cross

Aurora BayCare Medical Center

Lakeshore Aviation

Radio Amateur Civil Emergency Services (RACES)

WOMT Radio Station

WSRG Radio Station

Silver Lake College

University of Wisconsin - Manitowoc

Federal Jurisdictions

Federal Emergency Management Agency

U.S. Coast Guard

U.S. Department of Agriculture

U.S. Farm Service Agency

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The Point Beach Nuclear Plant (PBNP) Biennial Radiological Emergency Preparedness (REP) Full Scale Participation Plume Exposure Pathway exercise was sponsored by NextEra Energy Resources in conjunction with the State of Wisconsin and the Counties of Manitowoc and Kewaunee. DHS/FEMA Region V evaluated the PBNP REP Full Participation Plume Exposure Pathway exercise conducted on October 26, 2010, to assess the capabilities of local emergency preparedness organizations to implement their Radiological Emergency Response Plans (RERP) and procedures in order to protect the public health and safety during a radiological emergency involving the PBNP. The purpose of this report is to present the results and findings regarding the performance of the Offsite Response Organizations (OROs) during a simulated radiological emergency.

The PBNP REP Plume Exposure Pathway exercise was an unclassified exercise. The control of information is based more on public sensitivity regarding the nature of the exercise than on the actual exercise content. In addition to demonstrating the exercise evaluation criteria prescribed in Federal Register Notice Vol. 67, No. 80, dated April 25, 2002, the PBNP REP Full Plume Exposure Pathway exercise also provided a forum to test and familiarize participants at all levels with the materials, processes and procedures associated with the DHS/FEMA Homeland Security Exercise and Evaluation Program (HSEEP).

The Exercise Planning Team (EPT) was comprised of representatives from the participating Federal, State and local jurisdictions who conducted both the normal REP exercise planning and preparations and developed HSEEP specific Exercise Plan (ExPlan), Controller and Evaluator Handbooks and Exercise Evaluation Guides (EEGs). The dual objectives of satisfying statutory evaluation requirements and introducing the HSEEP evaluation process would not have been possible without the extensive collaboration and cooperation of all parties involved.

2.2 Exercise Objectives, Capabilities and Activities

Exercise objectives and Capabilities/REP Criteria selected for demonstration during the exercise are provided in Appendix F "Exercise Plan."

The Exercise Planning Team (EPT) selected objectives that focus on evaluating emergency response procedures, identifying areas for improvement, and fostering collaboration between the various Offsite Response Organizations (OROs) and stakeholders. This exercise focused on the following objectives:

- ORO demonstration of effective Emergency Operations Management.
- ORO demonstration of effective Protective Action Decision Making.
- ORO demonstration of effective Protective Action Implementation.
- ORO demonstration of effective Field Measurement and Analysis.
- ORO demonstration of effective Emergency Notification and Public Information.
- ORO demonstration of effective Support Operations and Facilities.

2.3 Scenario Summary

Appendix F "Exercise Plan" contains a summary of the Exercise Scenario, a sequence of simulated events that was used as the basis of initiating emergency response actions by the Offsite Response Organizations (OROs) during the Point Beach Nuclear Plant (PBNP) REP Full Participation Plume Exposure Pathway exercise on October 26, 2010.

This exercise scenario was submitted by the State of Wisconsin and NextEra Energy on August 23, 2010. The original field data was modified to reflect plume travel and the revised scenario was resubmitted on September 27, 2010. The revised scenario was approved by DHS/FEMA Region V on October 4, 2010.

During the exercise, in addition to information and data provided through the Point Beach Nuclear Plant (PBNP) on-site scenario, controllers from the State of Wisconsin provided inject messages containing scenario events and/or relevant data to the individuals and/or locations that would normally receive notification of such events. These inject messages were the method used to initiate specific action for the OROs.

SECTION 3: ANALYSIS OF CAPABILITIES

3.1 Exercise Evaluation and Results

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the October 26, 2010, REP Plume Exposure Pathway Exercise to test the off-site emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the PBNP.

Each jurisdiction and functional entity was evaluated based on its demonstration of exercise criteria delineated in Federal Register Notice/Vol. 67, No. 80, dated April 25, 2002. Detailed information on the exercise criteria and the extent of play agreement used in this exercise are found in Appendix 3 of this report.

3.2 Summary Results of Exercise Evaluation

The matrix presented in Table 3.1, on the following pages, presents the status of all exercise criteria from Federal Register Notice/Vol. 67, No. 80, dated April 25, 2002, which were scheduled for demonstration during this exercise by all participating jurisdictions and functional entities. Exercise criteria are listed by number and the demonstration status of those criteria are indicated by the use of the following letters:

M – Met (No Deficiency or ARCAs assessed and no unresolved ARCAs from prior exercises)

D – Deficiency/(ies) assessed

A – ARCA(s) assessed or unresolved ARCA(s) from prior exercise(s)

N – Not Demonstrated (Reason explained in Section IV.B.)

Blank – Not scheduled for demonstration

Table 3.1 - Summary of Exercise Evaluation (3 pages)

DATE: 2010-10-26 SITE: Point Beach Nuclear Plant, WI M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated			WI-SWC#1-IWP-	WI-SWC#2-IWP-	WI-SEOC---	WI-SEOC--RadCord-	WI-SRCR---	WI-FOC---	WI-MRL---	WI--RAFT#1--	WI--RAFT#2--	WI-EOC KEW--SL-	WI-EOC MAN--SL-	WI-Hwy Dept--EvWMD-	WI-Hwy Dept--EWMDEqV-
Emergency Operations Management															
Mobilization	1a1	M	M	M			M	M	M	M	M	M	M		
Facilities	1b1														
Direction and Control	1c1				M	M		A				M	M	M	
Communications Equipment	1d1	M	M	M			M	M	M	M	M			M	M
Equip & Supplies to support operations	1e1				M		M	M	A	M	M			M	M
Protective Action Decision Making															
Emergency Worker Exposure Control	2a1						M								
Radiological Assessment and PARs	2b1						M								
Decisions for the Plume Phase - PADs	2b2				M		M					M	M		
PADs for protection of special populations	2c1						M								
Rad Assessment and Decision making for Ingestion Pathway	2d1														
Rad Assess/Decision making concerning Relocation, Reentry, and Return	2e1														
Protective Action Implementation															
Implementation of emergency worker exposure control	3a1							M	M	M	M			M	M
Implementation of KI decision	3b1							M	M	M	M				M
Implementation of protective actions for special populations - EOCs	3c1														
Implementation of protective actions for Schools	3c2														
Implementation of traffic and access control	3d1														
Impediments to evacuation are identified and resolved	3d2														
Implementation of ingestion pathway decisions - availability/use of info	3e1														
Materials for Ingestion Pathway PADs are available	3e2														
Implementation of relocation, re-entry, and return decisions	3f1														
Field Measurement and Analysis															
Adequate Equipment for Plume Phase Field Measurements	4a1									M	M				
Field Teams obtain sufficient information	4a2						M	M							
Field Teams Manage Sample Collection Appropriately	4a3									M	M				
Post plume phase field measurements and sampling	4b1														
Laboratory operations	4c1								M						
Emergency Notification and Public Info															
Activation of the prompt alert and notification system	5a1				M							M	M		
Activation of the prompt alert and notification system - Fast Breaker	5a2														
Activation of the prompt alert and notification system - Exception areas	5a3														
Emergency information and instructions for the public and the media	5b1				A							M	M		
Support Operations/Facilities															
Mon/Decon of evacuees and EWs and registration of evacuees	6a1													A	
Mon/Decon of EW worker equipment	6b1														M
Temporary care of evacuees	6c1														
Transportation and treatment of contaminated injured individuals	6d1														

Table 3.1 - Summary of Exercise Evaluation (Continued. page 2/3)

DATE: 2010-10-26 SITE: Point Beach Nuclear Plant, WI M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated		WI-JIC--Media Ctr-	WI-JIC--PI Hotline-	WI-Aurora BayCare MC--MSIF-	KEW-SDC/WP---	KEW-EOC---	KEW-JIC--PIO-	KEW-Annex Bldg--DDP-	KEW--Sheriff-TACP-	KEW-Algonia HS--CCC-	KEW-EAS-WSRG---	KEW--Kewaunee SD-EV2-	KEW--Luxemburg AmbS-	KEW-Algonia HS--DDP-
Emergency Operations Management														
Mobilization	1a1	M	M		M	M	M							
Facilities	1b1													
Direction and Control	1c1	M	M			M								
Communications Equipment	1d1	M	M	M	M	M		M	M	M	M	M	M	M
Equip & Supplies to support operations	1e1	M	M	M		M		M	M			M	M	M
Protective Action Decision Making														
Emergency Worker Exposure Control	2a1					M								
Radiological Assessment and PARs	2b1													
Decisions for the Plume Phase - PADs	2b2					M								
PADs for protection of special populations	2c1					M								
Rad Assessment and Decision making for Ingestion Pathway	2d1													
Rad Assess/Decision making concerning Relocation, Reentry, and Return	2e1													
Protective Action Implementation														
Implementation of emergency worker exposure control	3a1			M		M		M	M			M	M	M
Implementation of KI decision	3b1					M		M	M			M	M	M
Implementation of protective actions for special populations - EOCs	3c1					M								
Implementation of protective actions for Schools	3c2					M						M		
Implementation of traffic and access control	3d1					M			M					
Impediments to evacuation are identified and resolved	3d2					M								
Implementation of ingestion pathway decisions - availability/use of info	3e1													
Materials for Ingestion Pathway PADs are available	3e2													
Implementation of relocation, re-entry, and return decisions	3f1													
Field Measurement and Analysis														
Adequate Equipment for Plume Phase Field Measurements	4a1													
Field Teams obtain sufficient information	4a2													
Field Teams Manage Sample Collection Appropriately	4a3													
Post plume phase field measurements and sampling	4b1													
Laboratory operations	4c1													
Emergency Notification and Public Info														
Activation of the prompt alert and notification system	5a1					M						M		
Activation of the prompt alert and notification system - Fast Breaker	5a2													
Activation of the prompt alert and notification system - Exception areas	5a3													
Emergency information and instructions for the public and the media	5b1	A	M			M	M							
Support Operations/Facilities														
Mon/Decon of evacuees and EWs and registration of evacuees	6a1													
Mon/Decon of EW worker equipment	6b1													
Temporary care of evacuees	6c1									M				
Transportation and treatment of contaminated injured individuals	6d1			M									M	

Point Beach Nuclear Plant

3.3 Criteria Evaluation Summaries

3.3.1 Wisconsin Jurisdictions

3.3.1.1 State of Wisconsin - State Warning Center #1 - Initial Warning Point

The Wisconsin State Patrol Southwest Headquarters in De Forest, Wisconsin, demonstrated the Target Capability of Emergency Operations Center Management as the State of Wisconsin Warning Center 1 for radiological incidents occurring at Point Beach Nuclear Plant (PBNP). The State Patrol dispatcher used appropriate procedures to accurately record information received from PBNP and accurately relayed that information to the Wisconsin Emergency Management (WEM) Duty Officer. A variety of primary and back-up communications systems were demonstrated during the exercise.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.2 State of Wisconsin - State Warning Center #2 - Initial Warning Point

The WEM Administrative Office in Madison, WI, demonstrated the Target Capability of Emergency Operations Center Management as State of Wisconsin Warning Center 2 for radiological incidents occurring at PBNP. The WEM Duty Officer used appropriate procedures to accurately record information received from the PBNP and to relay that information to the WEM Senior Duty Officer. A variety of primary and back-up communications systems were demonstrated during the exercise.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.3 State of Wisconsin - Emergency Operations Center

The State of Wisconsin State Emergency Operations Center (SEOC) demonstrated the Target Capability of Emergency Operations Center Management including the use of effective procedures to alert, notify and mobilize emergency personnel and activate facilities in a timely manner. The SEOC provided sufficient multi-agency coordination in response to the simulated incident at the Point Beach Nuclear Plant (PBNP) by promptly activating and operating for the duration of the exercise. The SEOC was managed efficiently and effectively, completed a full activation and notification, and was staffed to a fully operational level. The SEOC provided timely and effective management and direction and control through the use of briefings, information posted on SEOC monitors and the E-Sponder system to track, organize and maintain a chronological record of events. The SEOC coordinated with the risk counties and other state agencies to synchronize decision making and dissemination of public information regarding the situation at the PBNP. An issue was identified in which incomplete coordination between the SEOC PIO and County PIOs resulted in a premature release of public information. This issue was classified as Area Requiring Corrective Action number 49-10-5b1-A-02.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.b.2, 5.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 5.b.1.

ISSUE NO.: 49-10-5b1-A-02

CRITERION: OROs provide accurate emergency information and instructions to the public and the news media in a timely manner. (NUREG-0654, E.5., 7., G.3.a, G.4.a.b.c)

CONDITION: State Message #5/Exercise Release #3 issued by the State EOC contained untimely instructions by directing the public to contact the Public Inquiry Hotline at its designated telephone number substantially prior to when the Hotline

was operational. Exercise Release #3 was marked "For Immediate Release," and was issued to the JIC and Counties at 1012 hours, but the Hotline staff was not operational until 1040 hours. The County PIOs distributed Exercise Release #3 in accordance with their respective procedures and the "For Immediate Release" markings. Callers would have received the following pre-recorded message: "Thank you for calling the FPL Point Beach Nuclear Plant Emergency Hotline. At this time, the Emergency Hotline has not been activated..." Callers were provided telephone numbers for, and instructed to call, either the Point Beach Manager of Communications or the Supervisor of the Point Beach Energy Center. This can be confirmed by calling the Point Beach Hotline.

POSSIBLE CAUSE: Exercise Release #3 was marked "For Immediate Release," and was issued to the JIC and Counties at 1012 hours, but the Hotline staff was not operational until 1040 hours. The State EOC PIO anticipated that the JIC would announce the establishment of the Hotline but apparently did not anticipate the distribution of the release by the County PIOs. Until the JIC and Hotline become operational, the State and County EOC PIOs provide incident related public information to the media and respond to public inquiries directly. The State EOC PIO apparently anticipated that coordination with the JIC implied full coordination with Counties, but when combined with actual communications systems malfunctions during the transition of responsibilities, the coordination was incomplete.

REFERENCE: NUREG-0654, E.5.7, G.3.a, G.4.c; ESF 15, Radiological Nuclear Incident Response Annex; Res.B1f 6.2.3; Point Beach Nuclear Plant Extent of Play Agreement for the State of Wisconsin – Final, dated 10/19/2010, page 28 of 31.

EFFECT: The instructions given in Exercise Release #3 could have confused the public and impeded the emergency response.

RECOMMENDATION: The State EOC PIO should verify with the JIC that the Public Information Hotline is staffed and operational before issuing a news release directing the public to contact the Hotline regarding questions and concerns. Additionally, the State EOC PIO should ensure that County EOC PIOs are provided appropriate handling instructions for any public information documents marked

"For Immediate Release." Public Information Officer plans, procedures, guides and checklists should be reviewed and updated, as appropriate, to incorporate the verification process.

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 2.b.2.

ISSUE NO.: 50-10-2b2-P-01

ISSUE: During the Prairie Island Nuclear Generating Plant (PINGP) Radiological Emergency Preparedness Exercise on Tuesday, August 24, 2010, the Officer-in-Charge (OIC) and the Operations Manager and staff for the State of Wisconsin used a checklist to guide their actions during a General Emergency which did not reflect the processes or steps required for a Protective Action Recommendation (PAR) to become a Protective Action Decision (PAD) in a "home rule" state.

The State and its resources support County decision making by providing a PAR (for evacuations, sheltering in place) based on information received from PINGP, the efforts of field monitoring teams, and associated projections (see Criterion 2.b.1). The County then makes a decision (PAD) based on the PAR provided by the State. In the checklist entitled, "OIC/Operations Actions, General Emergency", after concurrence is reached on the substance of protective action and "counties agree on a time to sound sirens", the OIC is to "request approval of the PAR from the Governor or Governor's Representative, and the PAR becomes a PAD."

Contrary to the (sequence of) steps in the checklist, the PAR does not become a PAD upon the Governor Representative's approval. The PAR becomes a PAD upon the acceptance of the PAR by Pierce County, as perhaps modified by them to account for local considerations. The Governor or Governor's Representative certainly can approve a PAR, but in a "home rule" state, they are not in the role of approving the County's actions in this regard. As a "home rule" state, Pierce County is responsible for the overall decision to make a protective action (e.g., evacuation, shelter-in-place). Also, the language in the checklist did not entirely reflect the coordination

processes anticipated by the State, e.g., the coordination with the State of Minnesota, a "decision" rather than "concurrence" from Pierce County, coordination and communication of a KI PAD with Minnesota and Pierce County.

Note: The decision to recommend KI to the general public is seen as an independent protective action. Therefore, the State via the State Radiological Coordinator (SRC) authorizes and directs "the timely and appropriate dispensing of KI" to emergency workers, and recommends its voluntary use by immobile populations and the general public. This is in accordance with the Wisconsin Department of Health Service's Radiological Incident Response Plan (RIRP), Version 2.1, Volume 1, dated August 16, 2010, and the Wisconsin Emergency Response Plan (WERP), Radiological Nuclear Incident Annex, II.D.2. The Pierce County Emergency Operations Procedure (EOP) further states that per state policy, dispensation of KI is approved by the Governor (or designee) and DHFS (Division of Health) who directs the County Health Director to authorize KI dispensation.

CORRECTIVE ACTION DEMONSTRATED: After the preliminary results were presented to the State of Wisconsin on August 27, 2010, WEM thoroughly reviewed the checklists in the EOC binders and revised them to reflect the proper chain of events to form a PAD. References to the State of Minnesota's PAD process found in the EOC binders have been removed and processes appropriate for "Home Rule" were successfully demonstrated during the exercise.

g. **PRIOR ISSUES - UNRESOLVED:** None

3.3.1.4 State of Wisconsin - State Emergency Operations Center - Radiological Coordinator

The State of Wisconsin State Emergency Operations Center Radiological Coordinator (SEOC/RC) demonstrated the Target Capability of Emergency Operations Center Management by promptly activating and providing multi-agency coordination throughout the Radiological Emergency Preparedness Exercise at the PBNP. The SEOC/RC provided timely and effective management, and direction and control through the use of briefings, information posted on SEOC monitors and the use of E-Sponder system to track, organize and maintain a chronological record of events. The SEOC/RC coordinated with the risk counties and other state agencies to synchronize decision making and dissemination of public information regarding the situation at the PBNP.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 1.c.1.

ISSUE NO.: 33-09-1c1-A-01

ISSUE: A lack of adequate direction and control resulted in team performance being less than optimal. There were no team briefings and no opportunities were taken to have a group discussion of key issues at hand.

CORRECTIVE ACTION DEMONSTRATED: The SRC was at all time conversant with the Assistant SRC, Dose Assessor, plant liaison, and other members of the staff. Frequent briefing was held with her staff as well as the staff of the EOC. The SRC actively sought the input from her staff at all levels of decision making.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.5 State of Wisconsin - State Radiological Coordination Room

The State of Wisconsin State Radiological Coordinator (SRC) demonstrated the Target Capability of Emergency Operations Center Management by promptly activating and providing multi-agency coordination for the duration of the Radiological Emergency Preparedness Exercise at the PBNP. The SRC provided timely and effective management and direction and control through the use of briefings, information posted on SEOC monitors and the E-Sponder system to track, organize and maintain a chronological record of events. The SRC coordinated with the risk counties and other state agencies to synchronize decision making and dissemination of public information regarding the situation at the PBNP.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 2.a.1, 2.b.1, 2.b.2, 2.c.1, 4.a.2.

- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.6 State of Wisconsin - Forward Operating Center

The State of Wisconsin Forward Operating Center (FOC) demonstrated the Target Capability of On-Site Incident Management by coordinating radiological sampling operations required to support Protective Action Decision-making during the PBNP REP Exercise. The FOC was well equipped with all necessary communications, equipment and supplies required for the Field Response Manager (FRM) to maintain situational awareness and direct Restricted Area Field Team (RAFT) operations. Based on direction from the SRC and current meteorological conditions, the FRM and Field Team Coordinator (FTC) effectively deployed two RAFTs and communicated specific sampling orders to monitor the size and magnitude of the simulated radiological release. Field sampling data were relayed to the Mobile Radiological Laboratory (MRL) and SRC in a timely manner. An issue was identified in which the FRM became directly involved in RAFT operations and FOC briefings were not performed in accordance with the FOC/MRL operations manual. This issue was classified as Area Requiring Corrective Action number 49-10-1c1-A-04.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 3.b.1, 4.a.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: 1.c.1.

ISSUE NO.: 49-10-1c1-A-04

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

CONDITION: Field Operation Center briefings were not performed by the Field Response Manager as defined in Section 4.1 of the Wisconsin Department of Health and Services, Radiological Incident Response Plan Volume 2, FOC / MRL Operations manual.

POSSIBLE CAUSE: The operational procedures defined in Section 4.1 of the response plan were not referred to and used during the exercise nor were the procedures included in the Field Response Manager's position binder or checklists. The Field Response Manager became directly involved in field team communications and data collection in support of the Field Team Coordinator and was thus distracted from his other duties.

REFERENCE: NUREG-0654/FEMA REP-1, A.1.d; A.2.a, b

REP-14/15, 1.c.1

Wisconsin Department of Health and Services, Radiological Incident Response Plan Volume 2, FOC / MRL Operations manual, Section 4.1

EFFECT: The Field Team Coordinator did not have an opportunity to perform his prescribed duties of conducting a briefing to the Field Teams prior to dispatch. Additionally, the Laboratory Services Coordinator and Sample Receipt Manager were not informed of changing plant conditions nor the recommendation for emergency workers to ingest KI.

RECOMMENDATION: Develop process specific Job Action Sheets and/or checklists, based on existing operational and response procedures, for all Field Operation Center (FOC) positions. Incorporate these Job Action Sheets / checklists in the FOC position information binders. Review FOC staff division of labor and responsibilities, and conduct team training to improve overall coordination and ensure that the Field Response Manager delegates tasks and manages the FOC/MRL staff appropriately.

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.7 State of Wisconsin - Mobile Radiological Laboratory

The State of Wisconsin Mobile Radiological Laboratory (MRL) demonstrated the Target Capability of Laboratory Testing by performing radiological analyses required to support Protective Action Decision-making during the PBNP REP Exercise. The MRL was well equipped and had all the necessary communications, equipment and supplies required for conducting radiological analyses of samples collected by the Restricted Area Field Teams (RAFTs). Radioisotopic analysis reports were provided to the SRC in a timely manner to support Protective Action Recommendation (PAR) decision-making. The Laboratory Services Manager (LSM) monitored and recorded radiological exposure levels and took active steps to minimize the spread of contamination. An issue was identified in which calibration and operating range labels were not affixed to radiological analysis instruments and pre-operational checks were not performed by MRL staff. This issue was classified as Area Requiring Corrective Action number 49-10-1e1-A-01.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 3.a.1, 3.b.1, 4.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 1.e.1.

ISSUE NO.: 49-10-1e1-A-01

CRITERION: Equipment, maps, displays, dosimetry, potassium iodide (KI), and other supplies are sufficient to support emergency operations.

CONDITION: Acceptable ranges of operation were not posted on the calibration stickers on the Bicon Micro-Rem meters or the Ludlum Model 12 count rate meters used at the Mobile Radiological Laboratory or the Sample Receiving Area nor was the Field Response Manager contacted for assistance because there was no means to ensure the instrument was operating properly.

POSSIBLE CAUSE: Acceptable ranges of operations were not listed on the calibration stickers by the calibration facility when the instruments were calibrated and the Laboratory Services Manager did not consult the steps in the plans for Survey Instrument Operational Checks during the operability checks.

REFERENCE: DEPARTMENT OF HEALTH & FAMILY SERVICES,
RADIATION PROTECTION SECTION, RIRP Version 2.1, Volume 2, Section
4.4.4 Survey Instrument Operational Checks, pages 30 and 31
NUREG 0654 H.7, 10; J.10, a, b, c; J.11, K.3.a

EFFECT: There was no assurance that the instrument was operating properly without an acceptable range posted on the calibration stickers. The instruments could have been unknowingly reading high or low with no means of checking for a proper response.

RECOMMENDATION: Install calibration labels indicating acceptable ranges of operation during the calibration process and train personnel on the proper procedure for performing operability checks in accordance with procedures.

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.8 State of Wisconsin - Restricted Area Field Team#1

The State of Wisconsin Restricted Area Field Teams (RAFTs) demonstrated the Target Capability of Weapons of Mass Destruction (WMD) and Hazardous Materials (HazMat) / REP Response and Decontamination by making and recording required ambient radiation measurements and collecting radioiodine and particulate samples. The RAFTs were equipped with a sampling vehicle which carried the team and its equipment including maps, instrumentation, supplies, a communications radio and a cell phone. Communications were established and maintained with the FOC/MRL and both sampling instructions and results were communicated by radio. RAFT members were issued appropriate personal protective equipment, dosimetry, potassium iodide (KI), received appropriate training and instructions, and demonstrated thorough knowledge of radiological sampling and exposure management procedures.

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 3.b.1, 4.a.1, 4.a.3.
 - b. AREAS REQUIRING CORRECTIVE ACTION: None
 - c. DEFICIENCY: None
 - d. PLAN ISSUES: None
 - e. NOT DEMONSTRATED: None
 - f. PRIOR ISSUES - RESOLVED: None
 - g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.9 State of Wisconsin - Restricted Area Field Team#2

The State of Wisconsin Restricted Area Field Teams (RAFTs) demonstrated the Target Capability of Weapons of Mass Destruction (WMD) and Hazardous Materials (HazMat) / REP Response and Decontamination by making and recording required ambient radiation measurements and collecting radioiodine and particulate samples. The RAFTs were equipped with a sampling vehicle which carried the team and its equipment including maps, instrumentation, supplies, a communications radio and a cell phone. Communications were established and maintained with the FOC/MRL and both sampling instructions and results were communicated by radio. RAFT members were issued appropriate personal protective equipment, dosimetry, potassium iodide (KI), received appropriate training and instructions, and demonstrated thorough knowledge of radiological sampling and exposure management procedures.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 3.b.1, 4.a.1, 4.a.3.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.10 State of Wisconsin - Kewaunee County Emergency Operations Center - State Liaison

The State of Wisconsin Liaison to the Kewaunee County Emergency Operations Center provided efficient multi-agency coordination during the PBNP REP Exercise by promptly mobilizing to the County EOC, providing expert assistance and coordinating direct communications with the State of Wisconsin EOC. The State Liaison provided effective management, direction and control through the use of briefings and information provided from the SEOC. Additionally, the State Liaison coordinated with other jurisdictions and counties to facilitate information sharing between state and local agencies, synchronize decision-making and ensure that a consistent message was relayed to public.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 2.b.2, 5.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.11 State of Wisconsin - Manitowoc County Emergency Operations Center - State Liaison

The State Liaison located in the Manitowoc County Emergency Operations Center provided efficient multi-agency coordination during the PBNP REP Exercise by promptly mobilizing to the County EOC, providing expert assistance and coordinating direct communications with the State of Wisconsin EOC. The State Liaison provided effective management, direction and control through the use of briefings and information provided from the SEOC. Additionally, the State Liaison coordinated with other jurisdictions and counties to facilitate information sharing between state and local agencies, synchronize decision-making and ensure that a consistent message was relayed to public.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 2.b.2, 5.a.1, 5.b.1.

- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.12 State of Wisconsin - Highway Department - Evacuee and Emergency Worker Monitoring and Decontamination

The Manitowoc County Highway Department Reception Center (RC) Evacuee and Emergency Working monitoring and decontamination station was stocked with sufficient supplies and equipment to perform all required tasks. The RC Manager provided effective direction and control of the staff and the exercise participants demonstrated the proper use of personal protective equipment, dosimetry and redundant communications systems. Simulated Evacuees and Emergency Workers were effectively controlled, monitored for radiological contamination and processed in accordance with appropriate procedures. Two individuals with simulated contamination were correctly identified and directed to the decontamination station. An issue was identified in which the evacuee and emergency worker decontamination staff failed to follow plans and procedures regarding the use of radiological survey instruments. This issue was successfully redemonstrated and classified as Area Requiring Corrective Action number 49-10-6a1-A-03.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, 1.d.1, 1.e.1, 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 6.a.1.

ISSUE NO.: 49-10-6a1-A-03

CRITERION: Reception center/emergency worker facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees and/or emergency workers. (NUREG-0654, J.10.h., K.5.b)

CONDITION: Evacuee monitoring and decontamination staff failed to follow plans and procedures in the use of the Ludlum 3 survey meter with pancake probe.

POSSIBLE CAUSE: Possible Cause: Inadequate procedures, training and/or practice with the instrument and its use.

The Auxiliary Health Monitors Standard Operating Procedure, dated August, 2010 used for this exercise was formatted in a way that requires survey staff to flip between multiple pages to assemble the instructions needed to perform adequate monitoring. The requirement to keep the instrument probe one half inch from surface and moved at approximately one inch per second and that the survey of a person should take approximately three minutes is on page ATT 1-17. That the probe covering should fit tight and not hang down and that background readings should be taken every half hour is on page ATT 1-19, and Appendix A on page ATT 1-27 that is labeled "Survey Procedure - Ludlum Model 3" contains none of this information. The only reference to cross contamination occurs on page ATT 1-10 and it in reference to vehicle monitoring. Although the SOP contained the relevant information, it was not organized as an effective Job Aid / ready reference for Auxiliary Health Monitors performing radiological surveys during an emergency.

REFERENCE: NUREG 0654 K.5.b, ; Manitowoc County Plans Attachment 1 - State Auxiliary Health Monitors SOP (August 2010)

EFFECT: During the monitoring and decontamination of the first contaminated evacuee the Personnel Decontamination Staff processed, the operator of the Ludlum 3 survey meter with pancake probe allowed the protective plastic bag covering the probe to touch/drag across the clothing of the evacuee on four separate instances. This could have spread contamination on the evacuee and caused incorrect readings with the meter. The operator did not self-identify this mistake, nor did the Health Team Leader assisting her. The operator then set the Ludlum meter on the floor in the designated dirty area of the locker/shower room and surveyed the jacket of the evacuee while holding directly over the meter. Any loose contamination on the jacket could have been shaken directly onto the instrument again spreading contamination.

RECOMMENDATION: The controller and staff conducted remedial training and the same operator performed monitoring duties on two separate evacuees and one emergency worker identified as possibly contaminated with no inadequacies noted.

This criterion was successfully redemonstrated during the exercise. The State is required to submit corrected procedures regarding the proper use of instrumentation for review within ninety (90) calendar days of the October 26, 2010 Exercise.

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 6.a.1.

ISSUE NO.: 33-09-6a1-A-04

ISSUE: Vehicle monitoring and decontamination staff received inadequate training and/or practice on procedures and how to use instruments.

Plans and procedures were inadequate for contamination control, monitoring and decontamination of equipment. Procedures were missing for re-uniting the evacuees and Emergency Workers with their vehicles and separating out Emergency Worker vehicles from evacuee vehicles for prioritization purposes.

Personnel did not read their DRD's.

Additionally, there were an inadequate number of personnel available to staff the vehicle monitoring and decontamination stations to complete necessary tasks.

CORRECTIVE ACTION DEMONSTRATED: Issue number 33-09-6a1-A-04 was corrected during the exercise. The evaluators handling vehicle monitoring and decontamination reported that an adequate number of staff was available and properly trained, adequate plans and procedures were in-place (including a procedure to re-unite evacuees with their vehicles), and vehicle monitoring and decontamination staff read their DRDs at least every 30 minutes.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.13 State of Wisconsin - Highway Department - Emergency Worker Monitoring and Decontamination of Equipment and Vehicles

The Manitowoc County Highway Department Reception Center (RC) Emergency Worker Vehicle and Equipment station was stocked with sufficient supplies and equipment to perform all required tasks. The RC Manager provided effective direction and control of the staff and the staff demonstrated the proper use of personal protective equipment, dosimetry and redundant communications systems. Simulated Emergency Workers vehicles and equipment were effectively controlled, monitored for radiological contamination and processed in accordance with appropriate procedures. One vehicle with simulated contamination were correctly identified and decontaminated in accordance with appropriate plans and procedures.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 6.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.14 State of Wisconsin - Joint Information Center - Media Center

The Joint Information Center Manitowoc County demonstrated the Target Capability of Providing Emergency Public Information through the County Public Information Officers (PIOs) at the Joint Information Center (JIC). State and county PIOs coordinated with their counterparts in the JIC, State and County EOCs to provide timely, accurate and useful information to the public. The JIC is well designed and serves as an efficient facility and was equipped with a variety of communications systems that facilitated maintaining good situational awareness. Wisconsin Emergency Management (WEM) staff provided leadership to the state and local components of the JIC.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: 5.b.1.

ISSUE NO.: 33-09-5b1-A-05

ISSUE: The Virginia Call Center did not receive JIC News Releases, EAS and Special News Broadcast messages regarding protective action decisions for the public.

REASON UNRESOLVED: This ARCA involves the Virginia Call Center which is affiliated with Kewaunee Power Station.

3.3.1.15 State of Wisconsin - Joint Information Center - Public Information/Hotline

The Telephone Response Center (TRC) was efficiently managed and coordinated with other public information organizations within the Joint Information Center (JIC). Telephone operators had access to and used pre-scripted FAQs contained in the JIC Telephone Response Center Contact Guide and the PBNP 2010 Nuclear Emergency Planning Information Calendar, current news releases, media advisories, special news broadcasts, Emergency Alert System (EAS) messages, Utility Nuclear Accident Reporting System (NARS) forms to respond to public inquiries, and identified and resolved rumors.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.16 State of Wisconsin - Aurora BayCare Medical Center - Medical Service - Facility

The Aurora BayCare Medical Center (ABMC) demonstrated the appropriate facilities, equipment, supplies and trained personnel to provide radiological monitoring, urgent medical care, and decontamination to contaminated individuals injured during an incident at the Point Beach Nuclear Plant (PBNP). ABMC demonstrated redundant communications systems and effective patient management between the Emergency Department (ED) and ambulances. The Radiation Emergency Area (REA) was fully stocked with all appropriate personal protective equipment and dosimetry, radiological survey equipment and contamination control supplies. The Radiation Safety Office issued appropriate dosimetry and managed radiological exposure to emergency workers in accordance with the plans and procedures. The ABMC Radiological Disaster Plan states that life-threatening emergencies always have priority over radioactive contamination concerns and the ED staff demonstrated a thorough understanding of this priority. The evaluator is a Center for Domestic Preparedness Radiological Emergency Response Operations Course instructor who reported that the AMBC staff's performance was flawless and on par with a professionally produced training video.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2 Risk Jurisdictions

3.3.2.1 Kewaunee County - Sheriffs Dispatch Center - Initial Warning Point

Kewaunee County demonstrated the Target Capability of Emergency Operations Center Management at the Initial Warning Point, located in the Kewaunee County Sheriff's Dispatch Center. The dispatchers demonstrated the ability to alert, notify, and mobilize emergency personnel in a timely manner. The dispatchers were familiar with the nuclear incident notification procedures, demonstrated the redundant communication systems available at the Dispatch Center, and used both primary and backup systems effectively during this exercise.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.2 Kewaunee County - Emergency Operations Center

Kewaunee County demonstrated the Target Capability of Emergency Operations Center Management including the use of effective procedures to alert, notify and mobilize emergency personnel and activate facilities in a timely manner. The Kewaunee County EOC demonstrated sufficient multi-agency coordination to respond to an incident at the PBNP through timely activation and efficient operations throughout the exercise. The EOC was managed efficiently and effectively, completed a full notification and activation, and was staffed to an operational level. The Emergency Management Director and County Board Chair provided effective management, direction and control throughout the exercise. The Kewaunee County EOC coordinated decision-making with the SEOC, JIC and other jurisdictions and ensured that a clear and consistent message was communicated to the public.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.a.1, 2.b.2, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.3 Kewaunee County - Joint Information Center - Public Information Officer

Kewaunee County demonstrated the Target Capability of Providing Emergency Public Information through the County Public Information Officers (PIOs) at the Joint Information Center (JIC). Kewaunee County PIOs coordinated with their counterparts in the JIC and County EOC to provide timely, accurate and useful information to the public. The JIC facility is well designed and serves as an efficient facility. The Telephone Response Center had access to pre-scripted FAQs, media advisories and special news broadcasts, enhancing their ability to deliver accurate information and maintain good situational awareness. Wisconsin Emergency Management (WEM) staff provided leadership to the state and local components of the JIC.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.4 Kewaunee County - Annex Building - Dosimetry Distribution Point

Kewaunee County demonstrated the Target Capability of Critical Resource Logistics and Distribution through the establishment of a Dosimetry Distribution Point at the Kewaunee County Courthouse Annex in Algoma. The Public Health Nurse demonstrated the proper use of direct-reading and thermoluminescent dosimeters, calibration equipment and communications systems. The nurse conducted a thorough briefing regarding the use of and record keeping requirements for personal dosimetry kits including the proper procedures and documentation of the use of potassium iodide.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None

- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.5 Kewaunee County - Sheriffs Department - Traffic Control Point

Kewaunee County demonstrated the Target Capability of Emergency Public Safety and Security Response through interview which included the distribution of dosimetry, emergency worker radiological exposure management, and the capability to implement Traffic Control Points (TCPs) within the 10-mile Emergency Planning Zone. During the interview, the Deputy demonstrated thorough knowledge of the provisions of the Emergency Operations Plan related to the establishment of TCPs in addition to the use of appropriate dosimetry procedures, documentation and communications equipment including portable radios, cell phones and mobile data terminals.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.6 Kewaunee County - Algoma High School - Congregate Care Center

Kewaunee County demonstrated the Target Capability of Mass Care (Sheltering, Feeding, and Related Services) through interview with the American Red Cross (ARC) Lakeland Chapter, Director of Emergency Services. The Director gave a presentation based on the Preparedness and Operations Document (ARC 3031). During the interview, she clearly and completely demonstrated that the Chapter has access to the resources to provide dormitory, feeding, mental health, medical services, and security for evacuees in Kewaunee County. The Director and the 110-volunteers who assist the Chapter are organized and managed in a commendable manner. About 40% of the volunteers have national response experience, which further contributes to the professionalism of the Chapter.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 6.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.7 Kewaunee County - Emergency Alert System - WSRG

Kewaunee County demonstrated the Target Capability of Emergency Public Information and Warning associated with primary alerting and notification of the public was completed in a timely manner. Following the decision by County emergency management officials to notify the public of an emergency situation at the PBNP, Radio Station WSRG personnel demonstrated a thorough understanding of their equipment, the EAS process and executed their duties in a timely and professional manner.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 5.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.8 Kewaunee County - Kewaunee School District - Evacuation School

Kewaunee County demonstrated the Target Capability of Citizen Evacuation and Shelter-in-Place for school children through telephone interview. The Kewaunee County School District representative described plans and procedures to safely evacuate students from the PBNP EPZ and reunite them with their families. The school district demonstrated sufficient personnel, current contact information, emergency worker dosimetry, and communications capabilities to notify families and guardians regarding how to reunite with evacuated students.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.9 Kewaunee County - Luxemburg Ambulance Service - Medical Service - Transportation

Kewaunee County demonstrated the Target Capability of Emergency Triage and Pre-Hospital Treatment through out-of-sequence event at the Luxemburg Rescue Squad. Demonstrated activities included communications systems, maps, monitoring instruments, dosimetry and potassium iodide sufficient to support emergency operations. The Luxemburg Rescue personnel demonstrated proper use of personal dosimetry to monitor and control radiation exposure and knew to report to their supervisor if their dosimeters indicated reaching either the administrative and/or maximum exposure limits as prescribed in the Kewaunee County plans and procedures. Luxemburg Rescue personnel demonstrated proper patient handling, care, and transportation of a potentially contaminated medical patient and medical care took priority over monitoring, decontamination, and contamination control efforts.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.10 Kewaunee County - Algoma High School - Dosimetry Distribution Point

Kewaunee County demonstrated the Target Capability of Critical Resource Logistics and Distribution through the establishment of a Dosimetry Distribution Point at the Algoma High School. The Public Health Nurse issued personal dosimetry kits to three Emergency Medical Technicians and demonstrated the proper use of direct-reading and thermoluminescent dosimeters, calibration equipment and communications systems. The nurse conducted a thorough briefing regarding the use of and record keeping requirements for personal dosimetry kits and the proper procedures and documentation related to the use of potassium iodide.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.11 Manitowoc County - Sheriffs Dispatch Center - Initial Warning Point

Manitowoc County demonstrated the Target Capability of Emergency Operations Center Management at the Initial Warning Point, located in the Manitowoc County Joint Dispatch Center. The dispatchers demonstrated the ability to alert, notify, and mobilize emergency personnel in a timely manner. The dispatchers were familiar with the nuclear incident notification procedures, demonstrated the redundant communication systems available at the Joint Dispatch Center, and effectively used both primary and backup systems during this exercise.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None

- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.12 Manitowoc County - Emergency Operations Center

Manitowoc County demonstrated the Target Capability of Emergency Operations Center (EOC) Management including the use of effective procedures to alert, notify and mobilize emergency personnel and activate facilities in a timely manner. The Manitowoc County EOC demonstrated sufficient multi-agency coordination to respond to an incident at the PBNP through timely activation and efficient operations conducted throughout the exercise. The EOC was managed efficiently and effectively, completed a full notification and activation, and was staffed to an operational level. The Emergency Management Director and County Board Chair provided effective management, direction and control throughout the exercise. The Manitowoc County EOC coordinated decision-making with the SEOC, JIC and other jurisdictions, and ensured that a clear and consistent message was communicated to the public.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.a.1, 2.b.2, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.a.1, 5.a.3, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.13 Manitowoc County - Joint Information Center - Public Information Officer

Manitowoc County demonstrated the Target Capability of Providing Emergency Public Information through the County Public Information Officers (PIOs) at the Joint Information Center (JIC). Manitowoc County PIOs coordinated with their counterparts in the JIC and County EOC to provide timely, accurate and useful information to the public. The JIC is well designed and serves as an efficient facility. The Telephone Response Center had access to pre-scripted FAQs, media advisories and special news broadcasts, enhancing their ability to deliver accurate information and maintain good situational awareness. Wisconsin Emergency

Management (WEM) staff provided leadership to the state and local components of the JIC.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.14 Manitowoc County - Highway Department - Evacuee and Emergency Worker Registration

Manitowoc County demonstrated the Target Capability of Citizen Evacuation and Shelter-in-Place through the establishment of an Evacuee and Emergency Worker Registration station at the Manitowoc County Highway Department Garage. The American Red Cross (ARC) managed the registration process within the Reception Center and arrived with a small trailer containing cots, signs, sundries and administrative supplies. Furniture and crowd control materials stored at the Reception Center were used to regulate the flow and registration of emergency workers, evacuees and pets following their radiological monitoring and/or decontamination. The ARC staff demonstrated thorough knowledge of the provisions of the Emergency Operations Plan related to the establishment of the Reception Center and the use of appropriate identification, documentation and communications equipment.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.15 Manitowoc County - Sheriffs Department - Traffic Control Post

Manitowoc County demonstrated the Target Capability of Emergency Public Safety and Security Response through interview which included the distribution of dosimetry, emergency worker radiological exposure management, and the capability to implement Traffic Control Points (TCPs) within the 10-mile Emergency Planning Zone. During the interview, the Deputy demonstrated thorough knowledge of the provisions of the Emergency Operations Plan related to the establishment of TCPs in addition to the use of appropriate dosimetry procedures, documentation and communications equipment including portable radios, cell phones and mobile data terminals.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.16 Manitowoc County - Highway Department - Dosimetry Distribution Point

Manitowoc County demonstrated the Target Capability of Critical Resource Logistics and Distribution through the establishment of a Dosimetry Distribution Point at the Manitowoc County Highway Department Reception Center. The Public Health Nurses demonstrated the proper use of direct-reading and thermoluminescent dosimeters, calibration equipment and communications systems. The nurses conducted a thorough briefing regarding the use of and record keeping requirements for personal dosimetry kits including the proper procedures and documentation of the use of potassium iodide.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None

- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.17 Manitowoc County - Sheriffs Department - Dosimetry Distribution Point

Manitowoc County demonstrated the Target Capability of Critical Resource Logistics and Distribution through the establishment of a Dosimetry Distribution Point at the Manitowoc County Sheriff's Department. The Sheriff's Department Radiological Officer demonstrated the proper use of direct-reading and thermoluminescent dosimeters, calibration equipment and communications systems. The Radiological Officer conducted a thorough briefing regarding the use of and record keeping requirements for personal dosimetry kits and the proper procedures and documentation related to the use of potassium iodide.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.18 Manitowoc County - Sheriffs Department - Exception Area A and B

Manitowoc County demonstrated the Target Capability of Emergency Public Safety and Security Response through out-of-sequence activity which included the distribution of dosimetry, emergency worker radiological exposure management, and the capability to perform Exception Area Route Alerting within the 10-mile Emergency Planning Zone. The Sheriff's Deputy demonstrated thorough knowledge of the provisions of the Emergency Operations Plan related to the execution of Exception Area Route Alerting in addition to the use of the appropriate dosimetry procedures, documentation and communication equipment including a vehicle mounted public address system, portable radios, cell phones and mobile data terminals.

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 5.a.3.
 - b. AREAS REQUIRING CORRECTIVE ACTION: None
 - c. DEFICIENCY: None
 - d. PLAN ISSUES: None
 - e. NOT DEMONSTRATED: None
 - f. PRIOR ISSUES - RESOLVED: None
 - g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.19 Manitowoc County - Lakeshore Aviation - Route Alerting

Manitowoc County demonstrated the Target Capability of Emergency Public Safety and Security Response through interview which included the distribution of dosimetry, emergency worker radiological exposure management, and the capability to perform Supplementary Route Alerting by aircraft within the 10-mile Emergency Planning Zone. Two Sheriff's Deputies transported a custom public address system with a battery power supply to the Manitowoc County Airport and simulated installing the system in a private aircraft. Both Deputies and the pilot demonstrated thorough knowledge of the provisions of the Emergency Operations Plan related to the execution of Aerial Supplementary Route Alerting in addition to the use of the appropriate dosimetry procedures, documentation and communication equipment including the aircraft mounted public address system, portable radios, cell phones and mobile data terminals.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 5.a.3.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.20 Manitowoc County - Emergency Alert System - WOMT

Manitowoc County demonstrated the Target Capability of Emergency Public Information and Warning associated with primary alerting and notification of the public was completed in a timely manner. Following the decision by County emergency management officials to notify the public of an emergency situation at the PBNP, Radio Station WOMT personnel demonstrated

a thorough understanding of their equipment, the EAS process and executed their duties in a timely and professional manner.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 5.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.21 Manitowoc County - Two Rivers School District - Evacuation School

Manitowoc County demonstrated the Target Capability of Citizen Evacuation and Shelter-in-Place for school children through out-of-sequence interview at the Two Rivers High School. The Two Rivers School District Administrator, Transportation Manager and a Bus Driver described plans and procedures to safely evacuate students from the PBNP EPZ and reunite them with their families. The school district demonstrated sufficient personnel, current contact information, emergency worker dosimetry, and communications capabilities to notify families and guardians regarding how to reunite with evacuated students.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.22 Manitowoc County - Manitowoc County Fire Department/EMS - Medical Service - Transportation

Manitowoc County demonstrated the Target Capability of Emergency Triage and Pre-Hospital Treatment through out-of-sequence event at the Manitowoc County Highway Department Reception Center. Manitowoc Fire Department Squad #7 demonstrated activities which included communications systems, maps, monitoring instruments, dosimetry and potassium iodide sufficient to support emergency operations. The Manitowoc Fire Department personnel demonstrated proper use of personal dosimetry to monitor and control their radiation exposure and knew to report to their supervisor if their dosimeters indicated reaching either the administrative and/or maximum exposure limits as prescribed in the Manitowoc County plans and procedures. Manitowoc Fire Department personnel demonstrated proper patient handling, care, and transportation of a potentially contaminated medical patient and medical care took priority over monitoring, decontamination, and contamination control efforts.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.23 Manitowoc County - University of Wisconsin Manitowoc - Congregate Care Center

Manitowoc County demonstrated the Target Capability of Mass Care (Sheltering, Feeding, and Related Services) through out-of-sequence activities at the University of Wisconsin - Manitowoc campus. Twelve volunteer "evacuees" were bused from the Manitowoc County Highway Department Reception Center to the University of Wisconsin - Manitowoc campus where American Red Cross (ARC) Scenic Shores Chapter staff demonstrated and validated evacuee in-processing plans and procedures. Through interview, the ARC Shelter Manager described shelter guidelines and activation procedures. The local ARC chapter demonstrated the ability to immediately provide cots, blankets, sundries and food supplies for 20 evacuees stored in a quick response trailer that was brought from the chapter office to the Shelter. The ARC Shelter

Manager also described the process for requesting additional assistance from the surrounding chapters as needed.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 6.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

SECTION 4: CONCLUSION

No deficiencies were identified during this exercise for the State of Wisconsin or for Kewaunee or Manitowoc Counties. There were four Areas Requiring Corrective Action (ARCAs) identified for the State of Wisconsin and one of these ARCAs was successfully redemonstrated during the exercise. No ARCAs were identified for Kewaunee or Manitowoc Counties during this exercise.

There were three ARCAs and one Planning Issue from previous exercises for the State of Wisconsin. Two ARCAs and the Planning Issue from previous exercises were resolved by the State of Wisconsin while the other ARCA remains unresolved. There were no ARCAs or Planning Issues from previous exercises identified for either Kewaunee or Manitowoc Counties that required demonstration during the exercise.

New ARCA 49-10-1e1-A-01 was identified for the State of Wisconsin under Criterion 1. e. 1 – Equipment, maps, displays, dosimetry, potassium iodide, and other supplies are sufficient to support emergency operations - whereby the Mobile Radiological Laboratory did not conduct pre-operational checks of their survey instruments and used instruments that did not have calibration or operating range labels.

New ARCA 49-10-5b1-A-02 was identified for the State of Wisconsin under Criterion 5. b. 1 - Emergency Information and Instructions to the Public and the Media - whereby the State Emergency Operations Center (SEOC) issued a press release to the Counties marked “For Immediate Release” which instructed the public to call the Joint Information Center (JIC) Public Inquiry Hotline approximately one half hour before the Hotline staff was operational.

New ARCA 49-10-6a1-A-03 was identified for the State of Wisconsin under Criterion 6. a. 1 - Monitoring and Decontamination of Evacuees and Emergency Workers - whereby staff at the Manitowoc County Highway Department Vehicle Monitoring and Decontamination Station received inadequate training and/or practice on procedures and demonstrated improper use of survey instrumentation. This ARCA was successfully redemonstrated during the exercise. The State is required to submit corrected procedures regarding the proper use of instrumentation for review within ninety (90) calendar days of the October 26, 2010 Exercise.

New ARCA 49-10-1c1-A-04 was identified for the State of Wisconsin under Criterion 1. c. 1 -

Direction and Control - whereby State Field Team briefings were not conducted by the Field Team Leader due to inadequate communication and coordination between the Field Response Manager and Field Team Leader in the Forward Operating Center.

Prior ARCA 33-09-1c1-A-01 was resolved by the State of Wisconsin.

Prior ARCA 33-09-6a1-A-04 was resolved by the State of Wisconsin.

Prior Planning Issue 50-10-2b2-P-01 was resolved by the State of Wisconsin.

Prior ARCA 33-09-5b1-A-05 remains unresolved for the State of Wisconsin because the Kewaunee Power Station and the Dominion Power Virginia Call Center did not participate in this exercise, this criterion will be demonstrated during the October 2011 Kewaunee Power Station REP exercise.

APPENDIX A: IMPROVEMENT PLAN

Issue Number: 49-10-5b1-A-02		Criterion: 5b1
<p>ISSUE: State Message #5/Exercise Release #3 issued by the State EOC contained untimely instructions by directing the public to contact the Public Inquiry Hotline at its designated telephone number substantially prior to when the Hotline was operational. Exercise Release #3 was marked "For Immediate Release," and was issued to the JIC and Counties at 1012 hours, but the Hotline staff was not operational until 1040 hours. The County PIOs distributed Exercise Release #3 in accordance with their respective procedures and the "For Immediate Release" markings. Callers would have received the following pre-recorded message: "Thank you for calling the FPL Point Beach Nuclear Plant Emergency Hotline. At this time, the Emergency Hotline has not been activated..." Callers were provided telephone numbers for, and instructed to call, either the Point Beach Manager of Communications or the Supervisor of the Point Beach Energy Center. This can be confirmed by calling the Point Beach Hotline.</p>		
<p>RECOMMENDATION: The State EOC PIO should verify with the JIC that the Public Information Hotline is staffed and operational before issuing a news release directing the public to contact the Hotline regarding questions and concerns. Additionally, the State EOC PIO should ensure that County EOC PIOs are provided appropriate handling instructions for any public information documents marked "For Immediate Release." Public Information Officer plans, procedures, guides and checklists should be reviewed and updated, as appropriate, to incorporate the verification process.</p>		
<p>CORRECTIVE ACTION DESCRIPTION: The following actions will be taken in response to ARCA #49-10-5b1-A-02 issued against the State of Wisconsin, Emergency Operations Center - Public Information Officer. State message #5, Exercise Release #3, issued by the State EOC contained untimely instructions by directing the public to contact the Public Inquiry Hotline at its designated telephone number substantially prior to when the Hotline was operational. Exercise Release #3 was marked "For Immediate Release," and was issued to the JIC and Counties at 1012 hours, but the hotline staff was not operational until 1040 hours. The County PIOs distributed Exercise Release #3 in accordance with their respective procedures and the "For Immediate Release" marking. Callers would have received the following pre-recorded message: "Thank you for calling the FPL Point Beach Nuclear Plant Emergency Hotline. At this time, the Emergency Hotline has not been activated..." Callers were provided telephone numbers for, and instructed to call, either the Point Beach Manager of Communications or the Supervisor of the Point Beach Energy Center. This can be confirmed by calling the Point Beach Hotline.</p>		
<p>The State of Wisconsin will add an additional item to the Operations Check List, which will include requesting the State Public Information Officer contact the utility Public Information Hotline to ensure that they are operational prior to writing a media release stating they are operational.</p>		
<p>This ARCA (#49-10-5b1-A-02) will be re-demonstrated at the October 2011 Kewaunee Power Station exercise.</p>		
CAPABILITY: Emergency Public Information and Warning	PRIMARY RESPONSIBLE AGENCY: Wisconsin Emergency Management Public Information Officer	
CAPABILITY ELEMENT: Organization and Leadership	START DATE: 2011-01-24	
AGENCY POC: William Clare 608-242-3220	ESTIMATED COMPLETION DATE: 2011-10-04	

Issue Number: 49-10-1c1-A-04		Criterion: 1c1
<p>ISSUE: Field Operation Center briefings were not performed by the Field Response Manager as defined in Section 4.1 of the Wisconsin Department of Health and Services, Radiological Incident Response Plan Volume 2, FOC / MRL Operations manual.</p>		
<p>RECOMMENDATION: Develop process specific Job Action Sheets and/or checklists, based on existing operational and response procedures, for all Field Operation Center (FOC) positions. Incorporated these Job Action Sheets / checklists in the FOC position information binders. Review FOC staff division of labor and responsibilities, and conduct team training to improve overall coordination and ensure that the Field Response Manager delegates tasks and manages the FOC/MRL staff appropriately.</p>		
<p>CORRECTIVE ACTION DESCRIPTION: The following actions will be taken in response to ARCA #49-10-1c1-A-04 issued against the State of Wisconsin, Wisconsin Department of Health and Services. Field Operation Center briefings were not performed by the Field Response Manager as defined in Section 4.1 of the Wisconsin Department of Health and Services, Radiological Incident Responses Plan Volume 2 FOC/MRL Operations manual.</p> <p>The State of Wisconsin will provide remedial training to the Field Response Manager to ensure all staff is present during briefings. The Field Response Manager's checklist will be updated to ensure staff are accounted for and present during briefings.</p> <p>This ARCA (#49-10-1c1-A-04) will be re-demonstrated at the October 2011 Kewaunee Power Station exercise.</p>		
<p>CAPABILITY: On-Site Incident Management</p>		<p>PRIMARY RESPONSIBLE AGENCY: Wisconsin Department of Health Services - Radiation Protection Section</p>
<p>CAPABILITY ELEMENT: Training</p>		<p>START DATE: 2011-01-24</p>
<p>AGENCY POC: Paul Schmidt 608-267-4792</p>		<p>ESTIMATED COMPLETION DATE: 2011-10-04</p>

Issue Number: 49-10-6a1-A-03		Criterion: 6a1
<p>ISSUE: Evacuee monitoring and decontamination staff failed to follow plans and procedures in the use of the Ludlum 3 survey meter with pancake probe.</p>		
<p>RECOMMENDATION: The controller and staff conducted remedial training and the same operator performed monitoring duties on two separate evacuees and one emergency worker identified as possibly contaminated with no inadequacies noted.</p> <p>This criterion was successfully redemonstrated during the exercise. The State is required to submit corrected procedures regarding the proper use of instrumentation for review within ninety (90) calendar days of the October 26, 2010 Exercise.</p>		
<p>CORRECTIVE ACTION DESCRIPTION: The following actions will be taken in response to ARCA #49-10-6a1-A-03 issued against the State of Wisconsin, Wisconsin Department of Health Services. Evacuee monitoring and decontamination staff failed to follow plans and procedures in the use of the Ludlum 3 survey meter with pancake probe. The State of Wisconsin will ensure adequate staff are provided and trained using the current plans and procedures. Remedial training will be conducted on the use and operation of the Ludlum survey meters. In addition, the procedure for the Ludlum survey meters will be updated and revised as necessary for ease of use.</p> <p>This ARCA (#49-10-6a1-A-03) will be re-demonstrated at the October 2011 Kewaunee Power Station exercise.</p>		
<p>CAPABILITY: Weapons of Mass Destruction (WMD) and Hazardous Materials (HazMat) Response and Decontamination</p>		<p>PRIMARY RESPONSIBLE AGENCY: Wisconsin Department of Health Services - Radiation Protection Section</p>
<p>CAPABILITY ELEMENT: Training</p>		<p>START DATE: 2011-01-24</p>
<p>AGENCY POC: Paul Schmidt 608-267-4792</p>		<p>ESTIMATED COMPLETION DATE: 2011-10-04</p>

Issue Number: 33-09-5b1-A-05		Criterion: 5b1
ISSUE: The Virginia Call Center did not receive JIC News Releases, EAS and Special News Broadcast messages regarding protective action decisions for the public.		
RECOMMENDATION: Develop and implement procedural checks and balances to ensure that the JIC provides appropriate information to all Public Inquiry Hotline Call Center personnel informing the public about plant conditions, protective actions and other vital information.		
SCHEDULE OF CORRECTIVE ACTION: The following actions will be taken in response to ARCA #33-09-5.b.1-A-05 issued against the State of Wisconsin, Joint Information Center (JIC). Within the Joint Information Center (JIC) a Co-JIC manager structure will be implemented. A Utility JIC manager would focus on the utility aspect and the Government JIC Manager would focus on the state and county aspect. Both would have a set of procedures that would provide a systematic method to establish accountability and assurance that procedures and duties are fulfilled. The JIC managers would not be spokespersons for the counties, state, or the utility, rather they would provide assurance that procedures and tasks have been accomplished.		
This ARCA (#33-09-5.b.1-A-05) will be re-demonstrated at the October 2011 Kewaunee Power Station exercise.		
CORRECTIVE ACTION DESCRIPTION:		
CAPABILITY: Emergency Public Information and Warning	PRIMARY RESPONSIBLE AGENCY: State of Wisconsin, Joint Information Center	
CAPABILITY ELEMENT: Organization and Leadership	START DATE: 2011-01-24	
AGENCY POC: William Clare 608-242-3220	ESTIMATED COMPLETION DATE: 2011-10-04	

Issue Number: 49-10-1e1-A-01**Criterion: 1e1**

ISSUE: Acceptable ranges of operation were not posted on the calibration stickers on the Bicon Micro-Rem meters or the Ludlum Model 12 count rate meters used at the Mobile Radiological Laboratory or the Sample Receiving Area nor was the Field Response Manager contacted for assistance because there was no means to ensure the instrument was operating properly.

RECOMMENDATION: Install calibration labels indicating acceptable ranges of operation during the calibration process and train personnel on the proper procedure for performing operability checks in accordance with procedures.

CORRECTIVE ACTION DESCRIPTION: The following actions will be taken in response to ARCA #49-10-1e1-A-01 issued against the State of Wisconsin, Mobile Radiological Laboratory. Acceptable ranges of operation were not posted on the calibration stickers on the Bicon Micro-Rem meters or the Ludlum Model 12 count rate meters used at the Mobile Radiological Laboratory or the Sample Receiving Area nor was the Field Response Manager contacted for assistance because there was no means to ensure the instrument was operating properly.

Although the State of Wisconsin does not have an immediate solution for the Bicon Micro-Rem meter issue, the Wisconsin Department of Health Services - Radiation Protection Section is in the process of conducting research and discussing approaches taken by other states for a solution that will satisfy all stakeholders. It is anticipated that this research can be conducted within the next 30 days. The State of Wisconsin will send FEMA a subsequent letter describing the solution. Regarding the Ludlum meters, these meters will be sent back to the manufacture for calibration and an appropriate calibration sticker.

This ARCA (#49-10-1e1-A-01) will be re-demonstrated at the October 2011 Kewaunee Power Station exercise.

CAPABILITY:
Laboratory Testing

PRIMARY RESPONSIBLE AGENCY:
Wisconsin Department of Health Services - Radiation Protection Section

CAPABILITY ELEMENT:
Systems and Equipment

START DATE:
2011-01-24

AGENCY POC:
Paul Schmidt 608-267-4792

ESTIMATED COMPLETION DATE:
2011-10-04

APPENDIX B: EXERCISE TIMELINE

Table 1, provided below, presents the times at which key events and activities occurred during the PBNP Full Participation Plume Exposure Pathway Exercise on October 26, 2010. Also included are the times that notifications were made to the participating jurisdictions/functional entities.

Table 1 - Exercise Timeline
DATE: 2010-10-26, SITE: Point Beach Nuclear Plant, WI

Emergency Classification Level or Event	Time Utility Declared	WI-SWC#1-IWP-	WI-SEOC---	WI-SEOC--RadCord-	WI-SRCR---	WI-JIC--Media Ctr-
Unusual Event	0807	0829	0829			
Alert	0905	0917	0917	0925	0925	0950
Site Area Emergency	1024	1038	1024	1025	1025	1033
General Emergency	1137	1148	1137	1138	1138	1154
Simulated Rad. Release Started	1118	1118	1118	1118	1118	1140
Simulated Rad. Release Terminated						
Facility Declared Operational			1022	1007	1007	1000
Declaration of State of Emergency			1108			1130
Exercise Terminated			1356	1356	1356	1400
Early Precautionary Actions:			1048			
1st Protective Action Decision:			N/A			
1st Siren Activation			N/A			
1st EAS or EBS Message			N/A			
2nd Protective Action Decision:			N/A			
2nd Siren Activation			N/A			
2nd EAS or EBS Message			N/A			
KI Administration Decision:			N/A	1145	1145	1205

APPENDIX C: EXERCISE EVALUATORS AND TEAM LEADERS

The following list identifies the Point Beach Nuclear Plant Participation Ingestion Pathway exercise on October 26, 2010 evaluation team leadership and is followed by a table of the evaluators who participated in the exercise. The organization that each evaluator represents is indicated by the following abbreviations:

DHS/FEMA - Department of Homeland Security / Federal Emergency Management Agency
ICF - ICF Consulting

William King, Radiological Assistance Committee Chair, DHS/FEMA Region V
Stephen Tulley, Exercise Director, DHS/FEMA Region V
Dwayne Warren, Exercise Officer, DHS/FEMA Region V
Karl Rabenhorst, Site Specialist (Wisconsin), DHS/FEMA Region V
Deborah Fulk, Team Leader (Kewaunee County), DHS/FEMA Region V
Todd Gemskie, Team Leader (Manitowoc County), DHS/FEMA Region V
James King, Team Leader (State of Wisconsin), DHS/FEMA Region V
Richard Grundstrom, Regional Coordinator, ICF Consulting

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DATE: 2010-10-26, SITE: Point Beach Nuclear Plant, WI

LOCATION	EVALUATOR	AGENCY
State of Wisconsin - State Warning Center #1 - Initial Warning Point	Clayton Spangenberg	ICF
State of Wisconsin - State Warning Center #2 - Initial Warning Point	Carl Bebrich	DHS/FEMA
State of Wisconsin - Emergency Operations Center	Carl Bebrich Clayton Spangenberg	DHS/FEMA ICF
State of Wisconsin - State Emergency Operations Center - Radiological Coordinator	Bernis Hannah	ICF
State of Wisconsin - State Radiological Coordination Room	Bernis Hannah	ICF
State of Wisconsin - Forward Operating Center	David Seebart	ICF
State of Wisconsin - Mobile Radiological Laboratory	Richard Grundstrom	ICF
State of Wisconsin - Restricted Area Field Team#1	Michael Leal	ICF International
State of Wisconsin - Restricted Area Field Team#2	Richard Watts	ICF
State of Wisconsin - Kewaunee County Emergency Operations Center - State Liaison	Edward Diaz	DHS/FEMA
State of Wisconsin - Manitowoc County Emergency Operations Center - State Liaison	Delwyn Kinsley	DHS/FEMA
State of Wisconsin - Highway Department - Evacuee and Emergency Worker Monitoring and Decontamination	Gary Bolender	ICF
State of Wisconsin - Highway Department - Emergency Worker Monitoring and Decontamination of Equipment and Vehicles	Richard Smith	ICF
State of Wisconsin - Joint Information Center - Media Center	John Simpson	DHS/FEMA Region V
State of Wisconsin - Joint Information Center - Public Information/Hotline	Robert Black	ICF
State of Wisconsin - Aurora BayCare Medical Center - Medical Service - Facility	John Wills	ICF
Kewaunee County - Sheriffs Dispatch Center - Initial Warning Point	Bruce Swiren	ICF
Kewaunee County - Emergency Operations Center	Christopher Bellone Edward Diaz	DHS/FEMA DHS/FEMA
Kewaunee County - Joint Information Center - Public Information Officer	John Simpson	DHS/FEMA Region V
Kewaunee County - Annex Building - Dosimetry Distribution Point	Kerris Bates	DHS/FEMA
Kewaunee County - Sheriffs Department - Traffic Control Point	Kerris Bates	DHS/FEMA
Kewaunee County - Algoma High School - Congregate Care Center	Henry Christiansen	ICF
Kewaunee County - Emergency Alert System - WSRG	Henry Christiansen	ICF
Kewaunee County - Kewaunee School District - Evacuation School	Bruce Swiren	ICF
Kewaunee County - Luxemburg Ambulance Service - Medical Service - Transportation	Cheryl Weaver	ICF
Kewaunee County - Algoma High School - Dosimetry Distribution Point	Henry Christiansen	ICF
Manitowoc County - Sheriffs Dispatch Center - Initial Warning Point	John Wills	ICF
Manitowoc County - Emergency Operations Center	Delwyn Kinsley Karl Rabenhorst Kara Scott	DHS/FEMA DHS/FEMA DHS/FEMA
Manitowoc County - Joint Information Center - Public Information Officer	John Simpson	DHS/FEMA Region V
Manitowoc County - Highway Department - Evacuee and Emergency Worker Registration	Robert Lemeshka	ICF

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Manitowoc County - Sheriffs Department - Traffic Control Post	Clinton Crackel	DHS/FEMA
Manitowoc County - Highway Department - Dosimetry Distribution Point	Tracey Green	ICF
Manitowoc County - Sheriffs Department - Dosimetry Distribution Point	Clinton Crackel	DHS/FEMA
Manitowoc County - Sheriffs Department - Exception Area A and B	Tracey Green	ICF
Manitowoc County - Lakeshore Aviation - Route Alerting	Robert Lemeshka	ICF
Manitowoc County - Emergency Alert System - WOMT	John Wills	ICF
Manitowoc County - Two Rivers School District - Evacuation School	Carolyn Sturghill	DHS/FEMA
Manitowoc County - Manitowoc County Fire Department/EMS - Medical Service - Transportation	Richard Fournier	ICF
Manitowoc County - University of Wisconsin Manitowoc - Congregate Care Center	Gary Bolender	ICF
* Team Leader		

APPENDIX D: ACRONYMS AND ABBREVIATIONS

Acronym	Meaning
ABMC	Aurora Baycare Medical Center
ARC	American Red Cross
ARCA	Areas Requiring Corrective Action
ARM	Area Radiation Monitor
ATRD	Assistant Telephone Response Director
CAS	Central Alarm Station
CBC	County Board Chair
CCC	Congregate Care Center
DDP	Dosimetry Distribution Point
DO	Duty Officer
DRD	Direct Reading Dosimeter
EAS	Emergency Alert System
ECL	Emergency Classification Level
ED	Emergency Department
EM	Emergency Management
EMD	Emergency Management Director
EMS	Emergency Medical Service
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EOP	Emergency Operations Plan
EPS	Emergency Police Services
EPZ	Emergency Planning Zone
ERDS	Emergency Response Data System
ESF	Emergency Support Function
EW	Emergency Worker
FDC	Field Data Coordinator
FEMA	Federal Emergency Management Agency
FMT	Field Monitoring Team
FOC	Forward Operations Center
FRM	Field Response Manager
FT	Field Team
FTC	Field Team Coordinator
FTM	Field Team Manager
GE	General Emergency

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GM	Geiger Mueller
IT	Information Technology
IWP	Initial Warning Point
JDC	Joint Dispatch Center
JIC	Joint Information Center
JPIC	Joint Public Information Center
LRS	Luxemburg Rescue Squad
LSC	Laboratory Services Coordinator
MCEM	Manitowoc County Emergency Management
MCEOC	Manitowoc County Emergency Operations Center
MCPHD	Manitowoc County Public Health Department
MDCN	Mobile Data Communications Network
MFD	Manitowoc Fire Department
MRL	Mobile Radiological Laboratory
NARS	Nuclear Accident Reporting System
NRC	Nuclear Regulatory Commission
OSL	Optical Stimulated Luminescence
OSLD	Optically Stimulated Luminescent Dosimeter
PAD	Protective Action Decision
PAR	Protective Action Recommendation
PBNP	Point Beach Nuclear Plant
PIO	Public Information Officer
PPE	Personal Protective Equipment
RAC	Regional Assistance Committee
RACES	Radio Amateur Civil Emergency Services
RAFT	Restricted Area Field Team
RCAT	Radiation Contamination Accident Team
RCM	Reception Center Manager
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RIRP	Radiological Incident Response Plan
RO	Radiological Officer
SAE	Site Area Emergency
SAV	Site Assistance Visit
SDO	Senior Duty Officer
SEOC	State Emergency Operations Center
SNB	Special News Bulletins
SRC	State Radiological Coordinator
SRM	Sample Receipt Manager

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TAG	The Adjutant General
TCP	Traffic Control Point
TEDE	Total Effective Dose Equivalent
TRC	Telephone Response Center
TRD	Telephone Response Director
UE	Unusual Event
USCG	United States Coast Guard
WEM	Wisconsin Emergency Management

APPENDIX E: EXERCISE PLAN

The Point Beach Nuclear Plant (PBNP) Biennial Radiological Emergency Preparedness (REP) Full Scale Participation Plume Exposure Pathway exercise plan for the exercise conducted on October 26, 2010, was comprised of the following documents:

State of Wisconsin Extent-of-Play

Medical Drill Scenario - Transportation; Manitowoc Fire Department

Medical Drill Scenario - Transportation; Luxemburg Ambulance Service

Medical Drill Scenario - Facility; Aurora BayCare Medical Center

Reception Center Drill Scenario; Manitowoc County Highway Department

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**Point Beach Nuclear Plant
Extent of Play Agreement
State of Wisconsin / Kewaunee and Manitowoc Counties**

Exercise Date: October 26, 2010

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Activity Time Table:

**Replace This page with the Exercise Activity Schedule (Staffing –
Enclosure 2)**

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**This page was deliberately left blank for replacement with the
Exercise Activity Schedule**

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Locations:

This one day exercise is a full participation plume exposure pathway exercise, with participation by the State of Wisconsin Emergency Operations Center (EOC) in Madison, Manitowoc County EOC in Manitowoc, and the Kewaunee EOC in Algoma. The Joint Information Center (JIC) and the Point Beach Call Center are located in Green Bay. The reception centers and congregate care centers are located in Kewaunee and Manitowoc counties. In addition, "Aurora Bay Care" hospital in Green Bay, will participate with field operations in Kewaunee County.

Specifics regarding the locations and whether an activity is "in sequence" or "out of sequence" will be specified in the exercise activity schedule spreadsheet (see page 3 of the extent of play).

Criteria that can be Re-demonstrated:

Criteria that can be re-demonstrated immediately for credit, at the decision of the federal evaluator, include the following: 3.a.1, 3.b.1, 3.d.1, 3.d.2, 6.a.1, 6.b.1, 6.c.1 and 6.d.1. Criteria that may be re-demonstrated, as approved on a case-by-case basis by the Chairperson of the Radiological Preparedness Coordinating Committee, include the following: 2.a.1, 2.b.1, 2.b.2, 5.a.1 and 5.b.1.

Previously Issued Areas Requiring Corrective Actions (ARCA):

Prior Areas requiring Corrective Action (ARCA), 33-09-1c1-A-01:

State of Wisconsin

During the Kewaunee Power Station exercise held on June 23, 2009, an Area Requiring Corrective Action was assessed to the State of Wisconsin under Criterion 1.c.1, *Direction and Control*. A lack of adequate direction and control resulted in team performance being less than optimal. There were no team briefings and no opportunities were taken to have a group discussion of key issues at hand.

Prior Areas requiring Corrective Action (ARCA), 33-09-5b1-A-05

State of Wisconsin

During the Kewaunee Power Station exercise held on June 23, 2009, an Area Requiring Corrective Action was assessed to the State of Wisconsin under Criterion 5.b.1, *Emergency Information and Instructions for the Public and the Media*. The Virginia Call Center was not able to provide all available information to the public regarding protective actions. This could have caused confusion and delayed appropriate response actions by the public.

The Virginia Call Center will not participate in the Point Beach Exercise, however it will participate in the 2011 Kewaunee Exercise. As a result, this ARCA will be cleared in 2011 Kewaunee Exercise.

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Prior Areas requiring Corrective Action (ARCA), 33-09-6a1-A-04

State of Wisconsin

During the Kewaunee Power Station exercise held on June 23, 2009, an Area Requiring Corrective Action was assessed to the State of Wisconsin under Criterion 6.a.1, *Monitoring and Decontamination of Evacuees and Emergency Workers, and Registration of Evacuees*. Vehicle monitoring and decontamination staff received inadequate training and/or practice on procedures and how to use instruments. Plans and procedures were inadequate for contamination control, monitoring and decontamination of equipment. Procedures were missing for re-uniting the evacuees and Emergency Workers with their vehicles, and segregating Emergency Worker vehicles from evacuee vehicles for prioritization. Personnel did not read their DRD's. Finally, there were an inadequate number of personnel available to staff the vehicle monitoring and decontamination stations to complete necessary tasks.

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EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

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

State of Wisconsin

This is a one-day full-participation plume pathway exercise. Decision making and radiological control/dose assessment activities will occur at the State Emergency Operations Center (SEOC) and the State Radiological Coordinator (SRC) room (room 105) in Madison, WI. Wisconsin State field sampling teams, will collect samples within the 10 mile Emergency Planning Zone (EPZ) in Manitowoc and Kewaunee Counties.

The initial notification will occur via the Dial Select system to both the State Patrol Headquarters (Warning Center 1) and Wisconsin Emergency Management (Warning Center 2). Dial Select is a dedicated phone system which rings simultaneously at State Patrol Headquarters, WEM Front Desk Receptionist, SEOC, the Communications Room located within WEM, and at the Sheriff's dispatch center in both Manitowoc and Kewaunee County. If the initial notification occurs prior to 7:45 a.m., State Patrol will contact the WEM Duty Officer (DO) via a pager. If the initial notification occurs after 7:45 a.m., the call is taken by WEM front desk staff, who will notify the WEM Duty Officer.

Based upon the WEM standard operating procedure (SOP 4-18), the DO will call the SRC. The SRC will then contact Point Beach using the "call-back" number listed on the NARS form, to verify authenticity as well as to get more information.

The DO will use the WEM Standard Operating Procedure for activation of the EOC. As per the Wisconsin Emergency Response Plan, the EOC is activated at the 'ALERT' classification for nuclear power plants that have a 10-mile EPZ within Wisconsin. The SRC will respond in real-time (in sequence) and will report to SRC Room 105, in Madison, once a call back has been made to the plant. EOC security will be demonstrated; exercise participants, observers and evaluators will be asked to wear ID badges.

The DO or his/her designee will employ the use of the EOC software, "E-Sponder" for alerting staff internally, as well as external state agencies, and organizations to report to the EOC. The software sends a pre-scripted message to office phones, cellular phones, and e-mail accounts simultaneously. Recipients of the notification must respond as to their status (i.e. "press 1 if you plan to report to the EOC," "press 2 if you cannot report to the EOC..."). The DO or his/her designee will monitor the responses by staff. In the event that E-Sponder cannot successfully perform its

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alerting function, or if an individual fails to respond, the DO will make the staff notifications via a telephone "calling tree."

Due to lengthy travel times, some staff will be pre-positioned:

As per the EOC Activation SOP, these individuals will also be notified via E-Sponder alerting.

- Wisconsin Emergency Management Liaisons (Wisconsin Emergency Management Regional Directors) will be pre-positioned at the Kewaunee and Manitowoc County EOCs.
- Public Information Officer staff and Public Inquiry Hotline staff will be pre-positioned in the area of the Joint information Center (JIC). In a real event, the lead PIO may dispatch PIO staff to the JIC at the ALERT. Twenty-five minutes after the ALERT has been declared, a controller will call the lead PIO and tell them to report to the JIC.
- The Forward Operating Center/Mobile Radiological Laboratory (FOC/MRL) will be pre-positioned at the Two Rivers National Guard Armory.
- Two State restricted area Field Teams (SFTs) will be pre-positioned at a hotel in the city of Manitowoc and will be notified and activated by the State Radiological Coordinator (SRC) to begin play at the appropriate time.
- The MS-1 hospital drill will be conducted at Aurora Bay Care Medical Center out of sequence.

The State will provide a 24-hour staffing list (staff to be identified by positions) to the federal evaluator.

Manitowoc County

Activities will occur around Manitowoc County. The base of operations will be the Manitowoc County Emergency Operations Center. Alert and staff call-up procedures will be followed as outlined in the plan using the Joint Dispatch Center (JDC) Emergency Checklist, which also denotes 24 hour shift coverage. Public Information staff will be directed to the JIC after being briefed in the EOC. The OIC or Chief Elected Official or his designee will determine and announce when the EOC is operational and fully staffed.

Kewaunee County

Activities will occur both in sequence and out-of-sequence at various sites around Kewaunee County. The base of operations will be the Kewaunee County Emergency Operations Center, which is located in the lower level of the Algoma City Hall. Alert and staff call-up procedures will be followed as outlined in the plan. The 24-hour shift change staffing list can be seen in the EOC. The Officer-in-Charge (OIC) will determine and announce when the EOC is operational and fully staffed.

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

State of Wisconsin

The base line criterion has been previously evaluated and will not be demonstrated during this exercise.

Manitowoc County and Kewaunee County

The base line criterion has been previously evaluated and will not be demonstrated during this exercise.

Criterion 1.c.1: Direction and Control *Key personnel with leadership roles for the Offsite Response Organization (ORO) provide direction and control to that part of the overall response effort for which they are responsible.*

State of Wisconsin

The State will demonstrate decision-making capabilities in the SEOC. The State will demonstrate coordination between the SEOC, the JIC, Kewaunee and Manitowoc County EOC's, the utility, and other appropriate off-site response organizations (ORO's) including field operations.

To clear **ARCA 33-09-1c1-A-01** the State Radiological Coordinator (SRC) will demonstrate the following. The SRC will conduct briefings and team discussions as a means to gather information, share new developments and provide instructions to staff. The SRC is responsible for conducting an independent assessment of the nuclear plant incident to determine the impact on the public and emergency workers. In addition, the SRC will assess and evaluate all relevant information as part of the PAR development process.

ARCA 33-09-1c1-A-01 will be cleared by the State Radiological Coordinator (SRC).

Manitowoc County and Kewaunee County

Each County EOC will direct and control emergency operations for their county and coordinate decisions and emergency activities with the state, and other appropriate off-site response organizations.

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Criterion 1.d.1: Communications Equipment: *At least two communication systems are available and operate properly and communication links are established with appropriate locations. Communications capabilities are managed in support of emergency operations.*

State of Wisconsin

The primary communication link between the SEOC and Point Beach Nuclear Power Plant is the Dial Select telephone; for all other locations, the primary means of communication is by commercial telephone.

Traditional phone, fax, and paper systems will be used as primary means of communication, with electronic mail to communicate with others in the State EOC and the JIC, as a secondary means of communication. E-Sponder, WEM's EOC software, will be used for event logging and briefing forms; however, EOC staff are also permitted to handwrite their logs and forms. Backup communications for the State include a variety of other communication systems (e.g., NAWAS, cellular phone, radio, TDD, facsimile, RACES, and satellite telephone), which are used to communicate with Manitowoc and Kewaunee Counties, the utility, and other locations. RACES operators will utilize amateur radio VHF as a backup means of communications between the SEOC and Counties. For the State of Wisconsin, RACES operators will be located in the "Radio Room" which is adjacent to the SEOC.

The Forward Operating Center/Mobile Response Laboratory (FOC/MRL) will communicate between the SRC room and the Field Teams. Communications may be in the form of two-way radio, cellular or VOIP telephone calls and a segregated E-Sponder site (separate from the exercise site). Participants may include the County Radiological Officer Liaison in the SRC room and the Field Team Response Manager at the FOC/MRL.

Manitowoc County

Manitowoc County uses a variety of communication systems. Dial-Select, commercial telephones, cellular telephones, and fax machines will be used to communicate with the utility and other locations. Laptops and e-mail will be used as the primary form of messaging. Paper messaging will be used as a backup or when e-mail is not an option. RACES volunteers will demonstrate back-up radio communication from the RACES radio room in the EOC and at other sites as needed. County staff will only be monitoring E-Sponder.

Kewaunee County

Kewaunee County will use a variety of communication systems. Dial-Select, commercial telephones, cellular telephones, and fax machines will be used to communicate with the utility and other locations. The PIOs and the JIC will use a laptop computer and e-mail for communications with the EOC. Laptops and e-mail will be used as the primary form of messaging. Paper messaging will be used as a

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backup or when e-mail is not an option. RACES volunteers will demonstrate their back-up communications system in our EOC. Radio operators may also participate at the JIC, based on volunteer availability.

Criterion 1.e.1: Equipment and Supplies to Support Operations *Equipment, maps, displays, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations.*

State of Wisconsin

The State will demonstrate the use of equipment, maps and displays to support emergency operations in the SEOC, Room 105 (the SRC Room) and the JIC. The state will use its EOC software, E-Sponder, and GIS.

The state will demonstrate the availability of dosimetry and potassium iodide (KI). Documentation of the KI expiration date (February 2014) is stamped on the KI package. Current instrument inventory and calibration records will be verified during a site visit prior to the exercise by the Wisconsin Site Specialist of FEMA Region V.

Manitowoc County

Manitowoc County will demonstrate their ability to support operations through the use of maps, status boards and other displays as appropriate. Some county emergency worker dosimetry kits will be pre-distributed and the remainder will be distributed at the Manitowoc County Highway Commission Reception Center during play. The Reception Center will be activated out-of-sequence with the scenario. Distribution of dosimeter kits with a briefing for the Sheriff's deputies can be observed in the Sheriff's Department Patrol Squad Room and at the traffic control point for the Highway Commission workers. The traffic control point to be evaluated will be identified by the Highway Commission representative in the EOC and the time will be coordinated with the evaluator. KI for emergency workers is stockpiled in the county's EOC. (For this exercise, the first KI dose in the dosimeter kits will be simulated using M&M's). Reception center workers are not instructed to ingest KI. Dosimeter calibration records and stockpiled KI with expiration date information will be available in EOC.

Instrument inventory and calibration records are maintained by Manitowoc County and will be available for review by an evaluator in the EOC.

Kewaunee County

Kewaunee County will demonstrate their ability to support operations through the use of maps, status boards, and other displays as appropriate. The dosimetry kits will be distributed at Luxemburg EMS building and the County Annex building. All dosimetry kits contain KI since staff in this group may enter the EPZ as part of their

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duties. At the Luxemburg EMS building dosimetry kits will be distributed to EMS staff. The second location will be pre-distributed and out-of-sequence at the County Annex building. Staff at both locations will be given a briefing on the use of dosimetry and KI. Documentation regarding the expiration date of the KI will be available for the evaluator in the EOC during the exercise.

Instrument inventory and calibration records are maintained by Kewaunee County and will be available for review by an evaluator in the EOC.

Evaluation Area 2 – Protective Action Decision Making

Criterion 2.a.1: Emergency Worker Exposure Control *OROs use a decision-making process, considering relevant factors and appropriate coordination, to insure 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.*

State of Wisconsin

The SRC will be notified of the event in sequence by the WEM Duty Officer and the SRC will report to Wisconsin Emergency Management, Room 105, in Madison. The SRC, based on his/her technical evaluation of the available data, will make recommendations for emergency worker exposure control to the Field Response Manager (FRM) at the FOC/MRL. This includes recommendations for the ingestion of KI that will be made by the SRC to the Kewaunee and Manitowoc County Radiological Officers. Emergency workers, including the field teams, have a dose limit of 3 rem whole body (Deep Dose Equivalent). The turn-back value for emergency workers is 200mR/hr. For an emergency worker who only has access to a DRD, an exposure rate value of 150mR will be used as the turn back value. By procedure, the SRC can authorize a radiation exposure in excess of the administrative limit for emergency workers.

State field team members will simulate taking KI at the direction of the SRC. KI for field team members is maintained with the field team's field kits.

Kewaunee County

Kewaunee County's Radiation Officer (RO) will receive recommendations for the ingestion of KI from the SRC and will make his/her recommendation to the Officer-in-Charge (OIC) of the County. At this point the OIC advises all agencies to ingest KI. The County RO will also evaluate requests from county public safety officials who request an exception to worker exposure limits. The County RO will confer with the SRC for exceptions to exposure limits and make a recommendation to the County

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OIC. If the scenario does not drive exception to Emergency Worker exposure limits, this evaluation will be accomplished by an interview process.

Manitowoc County

Manitowoc County's Radiation Officer (RO) will receive recommendations for the ingestion of KI from the SRC and will make his/her recommendation to the Chief Elected Official of the County following discussion with the County Public Health representative in the EOC. At this point the OIC advises all agencies to ingest KI. The County RO will also evaluate requests from county public safety officials who request an exception to worker exposure limits. The County RO will confer with the SRC for exceptions to exposure limits and make a recommendation to the County OIC. If the scenario does not drive exception to Emergency Worker exposure limits, this evaluation will be accomplished by an interview process.

Criterion 2.b.1: Radiological Assessment and Protective Action Recommendations and Decisions: *Appropriate protective action recommendations are based on available information on plant conditions, field monitoring data and licensee and ORO dose projections, as well as knowledge of on-site and off-site environmental conditions.*

State of Wisconsin

The SRC staff will evaluate information provided by the licensee on plant conditions and perform independent dose assessment and projections. These assessments and projections are based on plant conditions, field-monitoring data (provided by the State restricted area Field Teams through the FOC/MRL), and knowledge of on-site and off-site environmental conditions and monitoring plant conditions electronically via ERDS.

Field monitoring data will be provided via controller inject messages through the restricted area field teams to the Field Team Coordinator. The SRC will evaluate the data and make a protective action recommendation to the OIC. Generally, early dose assessments performed by state dose assessment personnel will be based upon plant conditions obtained via telephone or facsimile from the affected plant. Later dose assessments will be developed based upon plant conditions and simulated field sampling results.

The State SRC will also use dedicated laptop computers for RASCAL dose assessment and plume modeling. GIS will be used for display of status maps. The SRC will evaluate the data and consider environmental conditions and make a protective action recommendation to the OIC.

Manitowoc County and Kewaunee County⁸⁰

The county will not demonstrate this criterion. It is a State responsibility.

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Criterion 2.b.2: Decisions for the Plume Phase of the Emergency: *A decision-making process involving consideration of appropriate factors and necessary coordination is used to make protective action decisions for the general public, including the recommendation for the use of KI, if ORO policy.*

State of Wisconsin

As a "home rule" state, the Governor or his/her designee is informed of the protective action recommendations (PARs), but the decision to change the PAR to a Protective Action Decision (PAD) ultimately resides with the chief elected official (or his/her designee) in the county, who may modify PARs based on local needs or considerations.

The state OIC, or an Operations designee, will contact the Kewaunee and Manitowoc County Emergency Management Directors and relay the PAR to ensure that the Counties have no events taking place that will prohibit implementation of the PAR. Upon concurrence by both counties the PAR becomes a Protective Action Decision (PAD). The state OIC informs the Governor or his representative of the PAD. Then Kewaunee and Manitowoc County EOCs and the SEOC agree upon times to sound sirens and broadcast the appropriate EAS messages to inform the general public.

The Wisconsin Emergency Response Plan (WERP) directs that KI is not made available to the general public in Kewaunee and Manitowoc Counties.

Manitowoc County

Manitowoc County's Chief Elected Official or his/her designee will evaluate protective action recommendations from the SEOC and determine if those recommendations are appropriate for the local situation. The decision by county officials to implement state protective action recommendations is coordinated between the SEOC and both risk counties.

Kewaunee County

Kewaunee County's Chief Elected Official or his/her designee will evaluate protective action recommendations from the SEOC and determine if those recommendations are appropriate for the local situation. The decision by county officials to implement state protective action recommendations is coordinated between the SEOC and both risk counties.

Criterion 2.c.1: Protective Action Decision Consideration for the Protection of Special Populations: *Protective action decisions are made, as appropriate, for special population groups.*

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State of Wisconsin

Protective Action Decisions for special populations are determined by the counties. If the SRC determines that the situation is deteriorating based upon status information received from the utility and that an evacuation may be recommended, he/she will alert the counties so that they may begin preparing to implement this aspect of their plan. Decisions regarding the distribution of KI to institutionalized populations are a county responsibility.

Manitowoc County

The County RO will present the protective action recommendations regarding KI to the County Executive (or backup), and Health and Human Services representatives for discussion and implementation.

The county plan recommends evacuating schools and day care centers at a Site Area Emergency (SAE). KI is not given to school children in Manitowoc County. The Two Rivers and Mishicot School Districts are within the 10 mile radius of the Point Beach Nuclear Plant. The Manitowoc County OIC will discuss the protective actions with the District Administrator. The Principal and Superintendent, the bus manager and driver from Two Rivers Buses, and a representative from Silver Lake College (where Two Rivers students are relocated) will be present for interview. The Hamilton Care Center (Hamilton Nursing Home) is in the EPZ. Nursing Home decision makers have chosen to shelter their residents in place. KI doses are available in the county's supply for patients and staff. Distribution will be simulated if it is determined to issue KI.

Decisions regarding the distribution of KI to institutionalized individuals will be made when emergency workers are ordered to ingest KI. Manitowoc County does not distribute KI to the general public.

Kewaunee County

The county will demonstrate the ability and resources to make appropriate protective action decisions. The County RO will receive information from the State Radiological Officer regarding the protective actions recommended for special populations. The RO will relay that information to the County OIC and appropriate agencies for consideration. All protective action decisions will be made by the Chief Elected Official or his/her designee.

Decisions regarding the distribution of KI to institutionalized individuals will be made when emergency workers are ordered to ingest KI. Kewaunee County does not distribute KI to the general public.

There are no schools within the 10 mile EPZ of Point Beach. However, there are plans to keep children from returning home that live in the EPZ, but attend school

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outside of the EPZ. A school administration representative will be available to discuss the plans per a phone interview.

Criterion 2.d.1: Radiological Assessment and Decision-Making for the Ingestion Exposure Pathway: *Radiological consequences for the ingestion pathway are assessed and appropriate protective action decisions are made based on the ORO planning criteria.*

State of Wisconsin

The State will not demonstrate this criterion during this exercise.

Kewaunee and Manitowoc County

Kewaunee and Manitowoc County will not demonstrate this criterion during this exercise.

Criterion 2.e.1: Radiological Assessment and Decision-Making Concerning Relocation, Re-entry, and Return: *Timely re-location, re-entry 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.*

State of Wisconsin

The State will not demonstrate this criterion during this exercise.

Manitowoc and Kewaunee County

Kewaunee and Manitowoc County will not demonstrate this criterion during this exercise.

Evaluation Area 3 – Protective Action Implementation

Criterion 3.a.1: Implementation of Emergency Worker Exposure Control: *The OROs issue appropriate dosimetry and procedures, and manage radiological exposure to emergency workers in accordance with the plans and 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.*

State of Wisconsin

This criterion will be demonstrated at the Forward Operations Center/Mobile Radiological Laboratory (FOC/MRL) by the Field Response manager (FRM) and restricted area State Field Teams (SFTS). The state will also demonstrate the use of

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dosimetry as a part of Reception Center operations, the MS-1 transportation and, MS-1 facility involving a potentially contaminated evacuee.

The FOC/MRL will be located at the Two Rivers National Guard Armory. Field team members will receive a radiological exposure control briefing and demonstrate the proper use of Direct-Reading and Thermoluminescent Dosimeters (DRDs and TLDs) to monitor and control their radiation exposure in accordance with plans and procedures. Proper use of survey meters will be demonstrated. Field team members will also receive instructions on turn-back values, and "do not linger" values.

Manitowoc County

Emergency workers will demonstrate the proper use of DRDs and TLDs to monitor and control their exposure to radiation. Emergency workers will follow procedures in their dosimeter kit regarding radiological monitoring equipment use and exposure limits and will monitor and record dosimeter readings on the form provided.

Manitowoc County Sheriff's Department deputies assigned to work in the field and Manitowoc County Highway Commission workers assigned to the traffic/access control point will receive dosimeter kits and faux KI. They will be briefed by their shift supervisors on the day of the exercise at two locations: Patrol Squad Room, and/or the traffic control point, which will be determined by the scenario. Coast Guard personnel responding in the field would be expected to have their own dosimetry. If they do not, they would be advised to report to the Reception Center to be issued a dosimeter kit and be briefed before reporting to the field.

Kewaunee County

Emergency workers will demonstrate the proper use of DRDs and TLDs to monitor and control their exposure to radiation. Emergency workers will follow procedures in their respective plans regarding radiological equipment use and exposure limits and will monitor and record dosimeter readings. Ambulance crews performing the MS-1 transportation will be given a briefing from a nurse and provided DRD's and TLD's.

Kewaunee County emergency workers, Traffic Access and Control Points (TACP) personnel and a school bus driver will have dosimetry distributed at the Annex Building, out-of-sequence.

Criterion 3.b.1: Implementation of KI Decision: *KI and appropriate instructions are available should a decision to recommend use of KI be made. Appropriate record keeping of the administration of KI for emergency workers and institutionalized individuals (not the general public) is maintained.*

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State of Wisconsin

Restricted area state field teams and the FOC/MRL will demonstrate the proper use of KI and KI related record keeping. In addition, they will be instructed on the proper use of KI and potential adverse health effects during the pre-dispatch briefing at the FOC/MRL. The briefing will be presented by the Field Team Coordinator.

The SRC will contact the Field Response Manager (FRM) at the FOC/MRL and instruct restricted area field teams when to take KI based on scenario radiological data or incident classification status provided during the course of the exercise. KI is part of the field team kit inventory.

Manitowoc County

Upon a recommendation to take KI from the SRC, with the County Radiological and Public Health Officers' concurrence, Manitowoc County will demonstrate administering KI by ingestion of a faux KI tablet by a deputy sheriff and a public works worker. Bus driver(s) are issued dosimetry and KI in the event they go into a restricted area to transport other evacuees after they've removed school children. The demonstration will include kit distribution, a briefing on KI consumption, and instruction on KI record keeping and dosimeter readings.

The Manitowoc County Health Officer's representative, in consultation with Wisconsin Department of Health Services WI-DHS, the County's RO, and OIC will advise emergency workers, through their respective department supervisors, when they should take the simulated KI.

Prior to take-off the airplane crew is given a briefing on the use of dosimetry and KI.

Kewaunee County

Only county emergency workers entering the restricted area will use dosimetry kit containing KI, instructions, and a form for recording KI ingestion. Some kits may be pre-distributed. These kits will be issued from and returned to the County Annex Building, before assuming/completing shift duties. The Annex Nurse will give a briefing to a Law Enforcement officer, public works personnel assigned to the TACP, and a bus driver on the use of KI and dosimetry. The time of the briefing will be determined by the Kewaunee County Emergency Management Director in consultation with the lead Evaluator. Each county emergency worker dosimetry kit distributed from the Annex contains a three day supply of KI. For exercising purposes, a faux KI tablet will be used. The Kewaunee County EOC will instruct emergency workers, through their supervisor, when they should take the simulated KI.

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Criterion 3.c.1: Implementation of Protective Actions for Special Populations: *Protective action decisions are implemented for special population groups within areas subject to protective actions.*

State of Wisconsin

The State will not demonstrate this criterion; it is a county responsibility.

Manitowoc County

Manitowoc 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 EOC and determine whether those recommendations are appropriate for the local situation. The County EOC staff maintains a list of people with special transportation needs as well as agencies who serve clients with special needs and will simulate providing evacuation assistance for these people by contacting transportation providers. The list of people with special transportation needs is available for evaluators to review, but cannot be copied or removed from the county EOC in order to protect confidentiality. The County EOC staff will plan for people with special transportation needs and simulate providing evacuation assistance as driven by the scenario.

There are no prison/jail populations within the Manitowoc County portion of the EPZ.

Manitowoc County will call three of their four contacts (i.e. Brandt Buses, Maritime Metro Transit, Holy Family CareVan, N.E.W. Coaches).

Kewaunee County

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 EOC and determine whether those recommendations are appropriate for the local situation. The County EOC staff maintains a list of people with special transportation needs and will simulate providing evacuation assistance for these people by contacting transportation providers. The list of people with special transportation needs is available for evaluators to review, but cannot be copied or removed from the county EOC in order to protect confidentiality. The County EOC staff will plan for people with special transportation needs and simulate providing evacuation assistance as driven by the scenario.

Kewaunee County will call four of their 12 contacts (i.e. PARA Tran, Medi Van and East Shore Industries, Aging Resources).

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Criterion 3.c.2: Implementation of Protective Action for Schools: *OROs/school officials decide upon and implement protective actions for schools.*

State of Wisconsin

The State will not demonstrate this criterion; it is a county responsibility.

Manitowoc County

Manitowoc County will simulate the evacuation of a school and make arrangements for interviews with the school superintendent, principal, bus company manager and a bus driver at the Two Rivers School District Office. Manitowoc County will also make arrangements for interview of a Host School (Silver Lake College) representative.

A county escort will be provided if requested by the evaluator.

Kewaunee County

There are no schools or daycares within the Point Beach EPZ. However, the Kewaunee School District has a plan for children that attend school outside the EPZ, but live within the EPZ. A school Administrative Representative will be available for an interview to discuss the plan.

Criterion 3.d.1: Implementation of Traffic and Access Control: *Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel.*

State of Wisconsin

The State will not demonstrate this criterion; it is a county responsibility.

Manitowoc County

Manitowoc County will demonstrate this criterion out-of-sequence, County escorts will be provided if needed. The county contacts the Federal Aviation Administration (FAA) and the Railroad (RR) Commission to close air space and restrict train movements. The U.S. Coast Guard Station in Two Rivers, Wisconsin is notified by the Manitowoc County Joint Dispatch Center if an incident occurs at either Point Beach Nuclear Plant or Kewaunee Power Station. The Chief of Coast Guard or designee is invited to locate a USCG representative with law enforcement personnel in the EOC. The Coast Guard would enforce any perimeter control required on Lake Michigan as dictated by the incident. They would also assist in warning boaters. Coast Guard personnel responding in the field would be expected to have their own

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dosimetry. If they do not, they would be advised to report to the Reception Center to be issued a dosimeter kit and be briefed before reporting to the field.

A traffic control access interview will be conducted at the Traffic Control Point (TCP). The time and location of the interview will be determined in sequence based upon the scenario by the County Highways representative at the EOC.

Kewaunee County

Kewaunee County will demonstrate this criterion out-of-sequence. A road block will be determined by Law Enforcement and the highway department on the day of the exercise. County escorts will be provided if requested by the evaluator. Law Enforcement is responsible for contacting the Federal Aviation Administration (FAA) and the Railroad (RR) Commission to close air space and restrict train movements. The Kewaunee County Sheriff's Department will call the U.S. Coast Guard in Sturgeon Bay and Manitowoc to keep them informed of the incident in the event that their resources are needed. They would also assist in warning boaters. Coast Guard personnel responding in the field would be expected to have their own dosimetry. If they do not, they would be advised to report to the Reception Center to be issued a dosimeter kit and be briefed before reporting to the field.

The traffic control access interview will be conducted at the control point. The time and location of the interview will be determined by the County Highway representative and LE representative at the EOC.

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

State of Wisconsin

The State will not demonstrate this criterion; it is a county responsibility.

Manitowoc County

Manitowoc County will demonstrate in their County EOC the capability to identify and take appropriate actions concerning impediments to evacuation. Actual calls to resources will be made to one contact; all others will be simulated based on the scenario. An impediment will block at least one major evacuation route. The location and timing of the impediment will be provided by Controller Inject.

Kewaunee County

Kewaunee County will demonstrate in their County EOC the capability to identify and take appropriate actions concerning impediments to evacuation. Actual calls to resources will be made to one contact; all others will be simulated based on the

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scenario. An impediment will block at least one major evacuation route. The location and timing of the impediment will be provided by Controller Inject.

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

State of Wisconsin

The State will not demonstrate this criterion during this exercise.

Kewaunee and Manitowoc County

Kewaunee County and Manitowoc County will not demonstrate this criterion during this exercise.

Criterion 3.e.2: Materials for Ingestion Pathways PADs Available: *Appropriate measures, strategies and pre-printed instructional material are developed for implementing protective action decisions for contaminated water, food products, milk, and agricultural production.*

State of Wisconsin

The State will not demonstrate this criterion during this exercise.

Kewaunee County and Manitowoc County

Kewaunee County and Manitowoc County will not demonstrate this criterion during this exercise.

Criterion 3.f.1: Implementation of Relocation, Re-entry and Return Decisions: *Decisions regarding controlled re-entry of emergency workers and relocation and return of the public are coordinated with appropriate organizations and implemented.*

State of Wisconsin

The State will not demonstrate this criterion during this exercise.

Kewaunee County and Manitowoc County

Kewaunee County and Manitowoc County will not demonstrate this criterion during this exercise.

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Evaluation Area 4 – Field Measurement and Analysis

Criterion 4.a.1: Plume Phase Field Measurements and Analyses: *The field teams are equipped to perform field measurements of direct radiation exposure (cloud and ground shine) and to sample airborne radioiodine and particulates.*

State of Wisconsin

The State will demonstrate the use of survey meters and dosimeters in its field operations by the FOC/MRL and the field teams. Restricted area State Field Teams (SFTs) will participate in the field monitoring portion of the exercise, with both of the teams being evaluated. The pre-deployment briefing, equipment inventory and operational checks will be evaluated for the two state radiological sampling teams at the FOC/MRL.

There will also be restricted area field teams involved in training during the exercise, these teams will be identified during the exercise and will not be evaluated.

Restricted area State Field Teams will have a count rate meter, and high and low range exposure rate meters. RADeCO H-890C Portable Air Sampler, Marinelli beakers, silver zeolite cartridges and particulate filters will be available to teams for air sampling. Silver zeolite cartridges, which do not require purging, are used for iodine air sampling. Restricted area State Field Teams will demonstrate the capability to measure ambient radiation exposure levels, do simulated field iodine cartridge measurements, and take simulated gas, iodine and particulate samples. The Field Team Controller will inject simulated ambient radiation exposure levels and field iodine cartridge measurements. The restricted area State Field Teams will demonstrate the capability to communicate field measurements to the Field Team Coordinator at the FOC/MRL.

Kewaunee and Manitowoc County

Kewaunee County and Manitowoc County will not demonstrate this criterion. It is a state responsibility.

Criterion 4.a.2: Plume Phase Field Measurements & Analysis: *Field teams are managed to obtain sufficient information to help characterize the release and to control radiation exposure.*

State of Wisconsin

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Restricted area State Field Teams are directed by the SRC, through the Field Team Coordinator (FTC) in the FOC. The Field Team Coordinator will provide

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monitoring/sampling direction and exposure control information directly to the teams. The Field Team Coordinator will provide Controller-injected field measurements reported by the restricted area State Field Teams to the SRC.

Manitowoc and Kewaunee County

Kewaunee County and Manitowoc County will not demonstrate this criterion. It is a state responsibility.

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

State of Wisconsin

Two restricted area State Field Teams will demonstrate the capability to measure ambient radiation exposure levels, perform field iodine cartridge measurements, and collect gas, iodine and particulate samples. Once the collected samples have been delivered to the FOC/MRL and inventoried by MRL personnel, evaluation of the two restricted area field teams will end.

Once collected, the samples will be delivered to the FOC/MRL and inventoried by MRL personnel. Chain of custody for the samples will be evaluated through interview of MRL staff, inspection of completed chain-of-custody documentation, and review of procedures. Evaluation of the two restricted area State Field Teams will end when the collected samples have been delivered to the FOC/MRL and inventoried by MRL personnel.

Kewaunee and Manitowoc County

Kewaunee County and Manitowoc County will not demonstrate this criterion. It is a state responsibility.

Criterion 4.b.1: Post Plume Phase Field Measurements and Sampling:

These criteria will not be demonstrated.

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Criterion 4.c.1: Laboratory Operations: *The laboratory is capable of performing required radioactivity analyses to support protective action decisions.*

State of Wisconsin

The FOC/MRL contains a field lab that will demonstrate the capability to analyze samples for radionuclides. This demonstration will include proper technique in handling samples, count readings to determine if the sample exceeds highest contact radiation reading per the plans, how samples are prepared for counting, what contamination control procedures are used, how the sample aliquot size is documented, what the sample preservation techniques are, and how the chain-of-custody forms are processed.

Kewaunee and Manitowoc County

This criterion will not be demonstrated by the county.

Evaluation Area 5 – Emergency Notification and Public Information

Criterion 5.a.1: Activation of the Prompt Alert and Notification System: *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 a minimum:*

- 1) Identification of the state or local governmental organization and the official with the authority for providing the alert signal and instructional message.*
- 2) Identification of the commercial nuclear power plant and a statement that an emergency situation exists at the plant.*
- 3) Reference to the REP-specific emergency information (e.g. brochures and information in telephone books) for use by the general public during an emergency.*
- 4) A closing statement asking the affected and potentially affected population to stay tuned for additional information.*

State of Wisconsin

After the Protective Action Recommendation (PAR) has been concurred upon by the counties it become a Protective Action Decision (PAD). The state and counties then select the appropriate pre-scripted EAS and Special News Broadcast messages for the PAD. The counties review the message and content and approve it "as is," or modify the message to reflect local weather, road construction, or other conditions prior to its release. Once the message of the text is agreed upon by the state and the counties (the concurrence is done by telephone), the counties will broadcast the message. The state

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OIC informs the Governor or GAR of the PAD. The counties follow their procedures to coordinate the time for sounding the sirens and broadcasting of the EAS message by the EAS stations.

Manitowoc County

Manitowoc County will growl its sirens. The county will transmit a pre-scripted EAS message and Special News Broadcast to WOMT Radio. The station will simulate the broadcast of both messages. The station has 24-hour capability. Siren testing data is submitted to FEMA annually with the Annual Letter of Certification packet. WOMT Radio will have staff available for evaluator interview. A county escort will be available if needed.

An aircraft mounted public address system will be used to provide back-up to the primary warning system, if weather permits. It is also used to warn boaters on Lake Michigan. The aircraft mounted public address system will be demonstrated unless adverse weather conditions exist. The staff operating the aircraft will be available for evaluator interview.

Kewaunee County

Kewaunee County will growl its sirens in accordance with procedures. The county will transmit a pre-scripted message on WSRG radio in Door County, Wisconsin. WSRG does operate 24/7, but it is not manned between the hours of 8pm to 4:30am. The county has a plan to contact WSRG's on-call person at the Alert, who would then go to the station. The County will then transmit a pre-scripted EAS Message and Special News Broadcast Message to the station. The station will simulate the broadcast of both messages. Kewaunee County will fax a hard copy of the message to WSRG. Kewaunee County will demonstrate this procedure once for evaluation purposes. Siren testing data is submitted to FEMA annually with the Annual Letter of Certification packet. WSRG-Radio Station will have staff available for interview during the exercise. A county escort will be available upon request.

Criterion 5.a.2: Activation of the Prompt Alert and Notification System (Fast Breaking):
Activities associated with primary alerting and notification of the public are completed within 15 minutes of verified notification from the utility of an emergency situation requiring urgent action (fast breaking situation). The initial instructional message to the public must include:

- 1) *Identification of the State or local governmental organization and the official with the authority for providing the alert signal and instructional message;*
- 2) *Identification of the commercial nuclear power plant and a statement that an emergency situation exists at the plant;*

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- 3) *Reference to the REP-specific emergency information (e.g., brochures and information in telephone books) for use by the general public during an emergency;*
- 4) *A closing statement asking the affected and potentially affected population to stay tuned for additional information.*

In addition, the ORO must demonstrate the capability to contact, in a timely manner, an authorized offsite decision maker relative to the nature and the severity of the event, in accordance with plans and procedures.

This criterion will not be demonstrated in this exercise.

Criterion 5.a.3: Activation of the Prompt Alert and Notification System (Exception Areas):
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. Backup alert and notification of the public is completed within 45 minutes following the detection by the ORO of a failure of a the primary alert and notification system.

State of Wisconsin

This criterion will not be demonstrated since it is a county responsibility.

Kewaunee County

There are no exception areas located within the Point Beach 10 mile EPZ. If an unforeseen problem occurs with the siren system, the county is prepared to demonstrate back-up route alerting per their plan. The plan is available for review in the EOC.

Manitowoc County

There are two FEMA-approved exception areas in Manitowoc County within the Point Beach 10 mile EPZ that are not covered by sirens: Area A and Area B. There is a procedure in place for officers from the Sheriff's Department to drive through Area A and Area B to notify residents in the event of siren activation. The back-up alerting will be demonstrated for both Area A and Area B.

If an unforeseen problem occurs with the siren system, the county will demonstrate back-up alerting procedures unless hazardous weather or road conditions prevent safe demonstration.

Criterion 5.b.1: Emergency Information and Instructions for Public and the Media:
OROs provide accurate emergency information and instructions to the public and news in a timely manner.

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State of Wisconsin

The state will demonstrate the formulation and dissemination of accurate information and instructions including pre-scripted EAS and Special News Broadcast messages to the JIC. The State of Wisconsin PIOs in the JIC will coordinate with the State EOC 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 State EOC prior to the activation of the JIC. Public inquiry calls will be handled by the Point Beach Call Center at the JIC, as stated in the State of Wisconsin/Point Beach Letter of Agreement. The Call Center will be staffed by Point Beach personnel.

A media hotline will be established, which will allow the media to call directly into the JIC PIO room rather than calling the Public Inquiry Hotline. This media phone line will allow members of the media to contact a JIC PIO staff person who will take the media calls and disseminate the call to the proper county, state, or utility PIO representative.

The Ingestion Brochures are printed by the state and distributed to the counties within 24 hours of the declaration of a Site Area Emergency. Brochures will not be printed, but a sample brochure will be available for the federal evaluator and an Operations Officer will simulate the procedure of ordering the brochures to be printed and distributed by discussion with an evaluator.

ARCA 33-09-5b1-A-05 will be cleared in the 2011 Kewaunee Exercise when the Virginia Call Center participates in the exercise.

Manitowoc County

Manitowoc 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 represented in the media briefings. The counties use the utility phone banks, which are located at the JIC in Green Bay, for rumor control. All media briefings will be done at the JIC in Green Bay. The Manitowoc 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.

Kewaunee County

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 represented in the media briefings. The counties use the utility phone banks, which are located at JIC in Green Bay, for rumor control. All media briefings will be done at the JIC in Green Bay. The 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.

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Evaluation Area 6 – Support Operation/Facilities

Criterion 6.a.1: Monitoring and Decontamination of Evacuees and Emergency Workers and Registration of Evacuees: *The reception center/emergency worker facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination and registration of evacuees and/or emergency workers.*

State of Wisconsin

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. Three monitoring stations (i.e. two portal monitors and one hand monitor) will be set up and operated at the Manitowoc County Highway Department. The health teams do not use calibrated check sources. The instruments are calibrated annually by a certified calibration facility.

The health monitoring teams will include personnel from the WI-DHS-RPS and individuals from the county who have received training as Auxiliary Health Monitors. The personnel from the county will work under the supervision of WI-DHS-RPS staff and will be evaluated as a part of the State of Wisconsin's response.

Once the Manitowoc county reception center is operational and monitors have surveyed several evacuees to establish flow, at least six evacuees will be monitored and registered with one evacuee requiring decontamination. Two evacuee vehicles will be monitored, one of which will require decontamination. Staff will also demonstrate the monitoring of at least one emergency worker, who will require decontamination.

In Manitowoc County, the Reception Center demonstration will be held out of sequence. The Kewaunee County Reception Center Demonstration will not be demonstrated during this exercise.

ARCA 33-09-6a1-A-04 will be corrected by the state of Wisconsin.

Kewaunee County

Kewaunee will not be demonstrating this criterion.

Manitowoc County

Manitowoc County will demonstrate this criterion by registering evacuees at the reception center and transporting them to the congregate care center (UW Manitowoc) via school bus. (Evacuees will be volunteers.)

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Criterion 6.b.1: Monitoring and Decontamination of Emergency Worker Equipment: *The facility/ORO has adequate procedures and resources for the accomplishment of monitoring and decontamination of emergency worker equipment including vehicles.*

State of Wisconsin

Health monitoring teams will demonstrate this criterion out of sequence, at the Manitowoc County Reception Center (County Highway Commission). Reception Center personnel will demonstrate the monitoring of one emergency vehicle, which will require decontamination. Kewaunee County Reception Center will not be evaluated this year.

Kewaunee County and Manitowoc County

The counties will not demonstrate this criterion, since it is a state responsibility.

Criterion 6.c.1: Temporary Care of Evacuees: *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.*

State of Wisconsin

The state will not demonstrate this criterion, it is a county responsibility.

Manitowoc County

Manitowoc County will demonstrate this criterion by bussing evacuees to the congregate care center (UW Manitowoc) following the reception center demonstration at the County Highway Commission. Evaluators will be provided an escort if needed (via school bus). Evacuees will be volunteers.

Kewaunee County

Kewaunee County will demonstrate this criterion by interview in-sequence at the county EOC. A Red Cross representative will be available to the federal evaluator to answer questions about the congregate care center. The Red Cross will have available a inventory lists of equipment. A Red Cross representative will be available to the federal evaluator to answer questions about the congregate care center.

Criterion 6.d.1: Transportation and Treatment of Contaminated Injured Individuals: *The facility/ORO has the appropriate space, adequate resources and trained personnel to provide*

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transport, monitoring, decontamination and medical services to contaminated injured individuals.

State of Wisconsin

The MS-1 hospital drill will be held out-of-sequence on the day of the exercise at the Aurora Bay Care Hospital in Green Bay, WI. The hospital portion of the drill will be a continuation of the Kewaunee County ambulance drill. Set-up for the drill will be at the Luxemburg Rescue Squad parking lot. The transportation portion of the drill should transition to the hospital portion. The hospital will demonstrate setting up the Radiological Emergency area, providing appropriate medical care to the patient, and monitoring and decontamination of the patient.

Manitowoc County

Manitowoc Fire Department EMS personnel will demonstrate the packaging and preparation for transport of a potentially contaminated medical victim to the Hospital. The ambulance will also demonstrate communication with the hospital per its SOP. Monitoring sick or injured individuals for contamination is not normally done at the reception center or at an incident scene in the field, since a full survey is always required at the hospital. Therefore, ambulance crews are not issued survey instruments, but will be issued TLDs and DRDs in accordance with the plan.

Kewaunee County

The transportation section of the drill will be demonstrated out of sequence beginning at the Luxemburg Rescue Squad parking lot (in Luxemburg). Luxemburg Rescue personnel will demonstrate the packaging and preparation for transport of a potentially contaminated medical victim. Ambulance personnel will make a report to the Medical Center, they will then transported the patient to Aurora Bay Care Hospital in Green Bay, WI.

MS-1 AMBULANCE DRILL SCENARIO

MANITOWOC COUNTY

MANITOWOC FIRE DEPARTMENT

I. PROPOSED SCHEDULE

Date: October 26, 2010
Time: ~ 9:00 am
Location: County Highway Building (Reception Center)
3500 State Highway 310
Manitowoc, WI
Injury/Illness: Unconscious

II. PURPOSE

This simulated radiological medical emergency is being conducted to exercise the emergency medical response in Manitowoc County. The basic objective is to assess the ability of the pre-hospital medical service to handle a contaminated and injured patient.

III. OBJECTIVES OF THE DRILL

Terminal Objective

Demonstrate the adequacy of vehicles, equipment, procedures, and personnel for transporting contaminated, injured, or exposed individuals.

Demonstration Objectives

To accomplish the terminal objective, drill participants will adequately:

- Implement appropriate contamination control measures during preparation and transport of individuals from the accident site.
- Determine the identity of the medical facility to which the individual will be transported and transport the individual without undue delay.
- Demonstrate the capability to maintain timely and accurate communications with the receiving medical facility.
- Demonstrate the capability to follow policies, implement procedures, and use equipment/facilities as delineated in the applicable emergency response plan.

IV. NARRATIVE SCENARIO

This simulated radiological accident begins as a member of the general public arrives at the reception center in Manitowoc. The individual has been evacuated from the area around the Point Beach Nuclear Plant due to an accident and release of radioactive materials. While driving to the reception center, via a locally known shortcut, the person swerves to avoid a deer in a wooded area and drives off the road. While exiting the car in the ditch the individual trips on a downed tree branch, falling and striking their forehead on a rock resulting in a severe laceration and severely sprained ankle. A short time later, while the victim lay dazed next to their car, another vehicle comes along and stops to help. While assisting the injured person, both are exposed to the passing plume. Eventually they leave, driving the injured person to the reception center.

The driver tells reception center staff that the car and passengers may have been exposed to the radioactive plume resulting in potential contamination of both.

The ambulance crew stationed at the reception center treats the victim, implements contamination control measures, and loads the individual into the ambulance for transport to the hospital. Reception center staff is trained not to survey evacuees requiring immediate medical attention, since thorough surveys will be performed at the receiving hospital.

Transport will be simulated and drill may be terminated when the victim is loaded and the simulated notification of the hospital has been completed.

V. SCENARIO

THIS IS A DRILL

DO NOT initiate actions affecting normal operations

Scenario Phase

Controller Message/Notes

- Ambulance staff DRDs read <1 mR throughout the drill
- Yellow herculite will NOT be used inside of the ambulance

EMS arrival

Medical Conditions

Conscious level: alert/disoriented
Respiration: 24
Pulse: 100
Blood pressure: 100/70
Skin: pale/cool/diaphoretic
Pupils: equal/reactive to light
Other: open wound to forehead / minor bleeding / patient experiencing bad headache / light sensitive / unable to walk

In ambulance

Medical Conditions

Conscious level: alert/disoriented
Respiration: 20
Pulse: 100
Blood pressure: 100/72
Skin: pale/cool/diaphoretic
Pupils: equal/reactive to light
Other: open wound to forehead / minor bleeding / patient experiencing bad headache / light sensitive

Radiological Conditions

As above, but victim is cocooned in blankets.

Termination

Termination Message

Upon simulated ambulance call to the hospital.

END OF DRILL

MS-1 HOSPITAL & AMBULANCE DRILL SCENARIO

KEWAUNEE COUNTY

AURORA BAYCARE MEDICAL CENTER LUXEMBURG AMBULANCE SERVICE

I. PROPOSED SCHEDULE

Date: October 25, 2010
Time: ~6:30 pm (ambulance drill)
~7:00 pm (hospital drill)
Location: Luxemburg Rescue Squad (Ambulance Drill)
331 Willow Street
Luxemburg, Wisconsin 54217

Aurora BayCare Medical Center (hospital drill)
2845 Greenbrier Road
Green Bay WI

Injury/Illness: Broken left fibula

II. PURPOSE

This simulated radiation medical emergency is being conducted to exercise the emergency medical response in Kewaunee County. The basic objective is to assess the ability of the pre-hospital and hospital emergency medical service to handle a contaminated and injured patient.

III. OBJECTIVES OF THE DRILL

Ambulance Crew:

Terminal Objective

Demonstrate the adequacy of vehicles, equipment, procedures, and personnel for transporting contaminated, injured, or exposed individuals.

Demonstration Objectives

To accomplish the terminal objective, drill participants will adequately:

- Determine the nature and extent of external radiological contamination of a contaminated injured individual.
- Implement appropriate contamination control measures during preparation and transport of individuals from the accident site.

- Determine the identity of the medical facility to which the individual will be transported and transport the individual without undue delay.
- Demonstrate the capability to maintain timely and accurate communications with the receiving medical facility.
- Demonstrate the capability to follow policies, implement procedures, and use equipment/facilities as delineated in the applicable emergency response plan.

Medical Facility:

Terminal Objective

Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals.

Demonstration Objectives

To accomplish the terminal objective, drill participants will adequately:

- Demonstrate the timely availability of appropriate medical facility staff.
- Demonstrate the preparation of the receiving area for a contaminated individual and implement appropriate contamination control measures.
- Determine, by both survey and bioassay sample, the nature and extent of radiological contamination of a contaminated injured individual and demonstrate proper decontamination.
- Implement appropriate contamination control measures during and after treatment of a contaminated individual.
- Demonstrate the capability to follow policies, implement procedures, and use equipment/facilities as delineated in the applicable emergency response plan.

IV. NARRATIVE SCENARIO

This drill begins with a simulated radiological release at the Point Beach Nuclear Plant. A member of the general population experiences a flat tire while attempting to evacuate the area. While changing the tire, the victim's car slips off of the jack and the jack strikes the victim in the left leg breaking the left fibula. While dealing with this situation the victim and their passenger believe they were exposed to the plume.

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The passenger finishes changing the tire and drives the victim to Luxemburg to receive medial treatment at the rescue station at the direction of 911 operators. The driver informs the rescue personnel that they and the car are most likely radioactively contaminated from the plume.

The rescue squad stationed in Luxemburg treats the victim, implements contamination control measures, and properly loads the individual into the ambulance for transport to the hospital. Rescue squad staff are trained **not** to survey evacuees requiring immediate medical attention, since thorough surveys will be performed at the receiving hospital. General medical conditions of the victim can be found in Section V below.

The ambulance crew directs the remaining uninjured passenger to proceed to the reception center in Algoma where both the car and the passenger can be screened for contamination and decontaminated if necessary.

Rescue squad personnel medically evaluate the patient and prepare the victim for transport to Aurora BayCare Medical Center in Green Bay. Aurora BayCare Medical Center is notified of the victim's condition and estimated time of arrival, prepares the Radiation Emergency Area (REA), and notifies the appropriate staff according to procedures. The ambulance crew continues patient care and transports the patient to Aurora BayCare Medical Center.

The hospital emergency staff meets the ambulance upon arrival. An initial report is received and the patient is transferred to the REA. The hospital staff evaluates the patient and initiates appropriate treatment. The hospital radiation safety personnel perform a radiological survey of the patient. Bioassay samples are taken from the wound area and intact skin areas. Decontamination efforts are performed until surveys indicate acceptable readings on previously contaminated areas.

The patient is surveyed prior to transfer out of the REA. Appropriate exit procedures for the patient and attending personnel are performed. Surveys of the ambulance crew and vehicle are performed prior to releasing the crew and vehicle.

V. SCENARIO

THIS IS A DRILL

DO NOT initiate actions affecting normal operations

<u>Scenario Phase</u>	<u>Controller Message/Notes</u>
	Rescue Squad staff DRDs read <1 mR/hr throughout the drill
	Yellow herculite will NOT be used inside of the ambulance
Victim arrival	Medical Conditions Conscious level: alert/oriented Respiration: 24 Pulse: 120 Blood pressure: 100/70 Skin: pale/cool/diaphoretic Pupils: equal/reactive to light Other: lower left leg broken fibula / minor bleeding

In Transport	Medical Conditions Conscious level: unchanged Respiration: 20 Pulse: 120 Blood pressure: 100/72 Skin: unchanged Pupils: unchanged Other: unchanged
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THIS IS A DRILL

Scenario Phase

Controller Message

Initial hospital
evaluation

Medical Conditions

Conscious level: unchanged
Respiration: 16
Pulse: 110
Blood pressure: 100/74
Skin: unchanged
Pupils: unchanged
Other: unchanged

Radiological Conditions

Wound on lower left leg: 2000 cpm
Victim's left palm: 2000 cpm

=====
After first
decontamination

Radiological Conditions

Wound on lower left leg: 500 cpm
Victim's left palm: 1000 cpm
=====

After second
decontamination

Radiological Conditions

Wound on lower left leg: 200 cpm
Victim's left palm: background
=====

After third
decontamination

Radiological Conditions

All areas: background
=====

Post medical
treatment

Medical Conditions

Conscious level: unchanged
Respiration: 18
Pulse: 74
Blood pressure: 130/74
Skin: unchanged
Pupils: unchanged
Other: X-ray
• Fracture to left leg

Termination

Termination message issued when authorized by
Exercise Manager

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END OF DRILL

RECEPTION CENTER DRILL SCENARIO

MANITOWOC COUNTY

MANITOWOC RECEPTION CENTER

I. PROPOSED SCHEDULE

Date: October 26, 2010
Time: ~9:00 am - ~12:30 pm
Location: Manitowoc County Highway Department
3500 Highway 310
Manitowoc, WI.

II. PURPOSE

This simulated radiological emergency is being conducted to exercise the setup and operation of the reception center in Manitowoc County. The basic objective is to assess the ability of county and state personnel to setup and operate Manitowoc County Reception Center in response to a radiological incident at the Point Beach Nuclear Plant.

III. OBJECTIVES OF THE DRILL

- Demonstrate the adequacy of procedures, facilities, equipment, and personnel for the radiological monitoring, decontamination, and registration of evacuees.
- Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency workers, equipment, and vehicles.

IV. EXTENT OF PLAY

Manitowoc County and the State of Wisconsin will demonstrate these objectives between ~9:00 am through ~12:30 pm on October 26, 2010, at the Manitowoc County Highway Department Building in Manitowoc. Manitowoc County is responsible for registering evacuees and assigning them to appropriate congregate care facilities. The state is responsible for directing the radiological monitoring and decontamination portions of this objective.

State health monitoring teams will demonstrate radiological monitoring and decontamination of evacuees, emergency workers, and vehicles in accordance with the procedures set forth in the county's reception center plan, the State EOP, and the DHS-RPS *Nuclear Incident Response Plan*. Health monitoring teams will include personnel from the Department of Health Services Radiation Protection Section, the Medical College of Wisconsin, and individuals from the county who have received training as Auxiliary Health Monitors. Health monitoring personnel from the county will work under the supervision of DHS-

RPS staff, and should be evaluated as part of the State of Wisconsin's response.

Once the reception center is operational and monitors have surveyed several evacuees to establish flow, at least six evacuees will be monitored and registered for evaluation purposes, with one evacuee requiring decontamination. At least two evacuee vehicles will be monitored with one vehicle requiring decontamination.

Following demonstration of monitoring and decontamination of evacuees and their vehicles, at least one emergency worker will be monitored and require decontamination. At least one emergency worker vehicle will be monitored and require decontamination.

V. NARRATIVE SCENARIO

Activation of the Manitowoc Reception Center will commence at approximately 9:00 am, Tuesday, October 26th, in response to notification that a radiological incident has occurred at the Point Beach Nuclear Plant.

Once the center is operational, processing of evacuees will commence. At least six evacuees will be monitored. Contamination at levels greater than 100 cpm above background will be detected on one evacuee, who will be sent to the decontamination area for decontamination. All evacuees will be registered in accordance with reception center procedures. One emergency worker will also be monitored and will require decontamination.

Two evacuee vehicles will be monitored with one having contamination levels greater than 100 cpm above background detected on the wheel wells. This vehicle will be directed to the vehicle decontamination area for decontamination. One emergency worker vehicle will be monitored and require decontamination.

Section VI contains the controller data for contamination levels.

VI. SCENARIO

THIS IS A DRILL

<u>Scenario Phase</u>	<u>Controller Message/Notes</u>
Evacuee monitoring	Sixth evacuee will be contaminated Contamination levels - Left palm 275 cpm >bg - Right palm 325 cpm >bg - Left forearm 275 cpm >bg =====
Evacuee decontamination	First decontamination lowers contamination levels to less than 100 cpm above background =====
Evacuee vehicle monitoring	Second vehicle will be contaminated Contamination levels - Wheel wells 925 cpm >bg =====
Evacuee vehicle decontamination	First decontamination lowers contamination levels to less than 100 cpm above background =====
Emergency worker Monitoring	- Seat of pants 725 cpm >bg - Both palms 1000 cpm >bg - Shoes 2000 cpm >bg =====
Emergency worker decontamination	First decontamination lowers contamination levels to less than 100 cpm above background =====
Emergency vehicle monitoring	- Wheel wells 1800 cpm >bg - Rear end 1200 cpm >bg =====
Emergency vehicle decontamination	First decontamination lowers contamination levels to less than 100 cpm >bg

END OF DRILL

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