



FEMA

JUL 19 2012

Mr. Charles Casto
Regional Administrator
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
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Dear Mr. Casto:

Enclosed is one copy of the After Action Report / Improvement Plan (AAR/IP) for the April 17, 2012, 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 AAR/IP was prepared by the U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region V, Radiological Emergency Preparedness Program.

There was one Deficiency identified for Manitowoc County. No Deficiencies were identified during this exercise for the State of Wisconsin or Kewaunee County.

The Deficiency was identified for Manitowoc County under Criterion 5. A. 1 - Activities associated with primary alerting and notification of the public are completed in a timely manner – whereby the Health & Safety of the general public was potentially compromised during the PBNP Exercise. The Manitowoc County Public Information Officer did not provide the EAS Radio Station (WOMT) the time that Sirens were to be activated; consequently the EAS Message provided to WOMT was not broadcast. On June 28, 2012, the Deficiency was successfully re-demonstrated.

There were two Areas Requiring Corrective Action (ARCAs) identified for the State of Wisconsin. One of these ARCAs was successfully re-demonstrated during the exercise. There was one new Planning Issue identified for the State of Wisconsin during the exercise.

The first ARCA for the State of Wisconsin was identified under Criterion 6. A. 1 - The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the monitoring procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required. This ARCA was successfully re-demonstrated. The second ARCA for the State of Wisconsin was identified under Criterion 6. A. 1 - The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the use of a pressure washer to

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decontaminate a vehicle has a high potential for cross contamination of the vehicle, emergency workers and the instrumentation being used to re-monitor the vehicle. This ARCA remains open.

The first Planning Issue for the State of Wisconsin was identified under Criterion 6. A. 1 - The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the monitoring procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required. This Planning Issue remains open.

There were two new ARCAs identified for Manitowoc County. One of these ARCAs was successfully re-demonstrated during the exercise. There were no new Planning Issues identified for Manitowoc County during the exercise.

The first ARCA for Manitowoc County was identified under Criterion 3. A. 1 - The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures – whereby the dosimetry briefing incorrectly instructed emergency workers to wear their DRDs in an inside pocket. This ARCA was successfully re-demonstrated.

The second ARCA for Manitowoc County was identified under Criterion 5. A. 1 - Activities associated with primary alerting and notification of the public are completed in a timely manner – whereby during the supplemental Route Alerting for Lake Michigan by fixed-wing aircraft the emergency message broadcast over the loudspeaker could not be heard over the propeller noise, despite making three flyovers. This ARCA remains open.

There was one new ARCA identified for Kewaunee County which was successfully re-demonstrated during the exercise. There was one new Planning Issue identified for Kewaunee County during the exercise.

The ARCA for Kewaunee County was identified under Criterion 3. D. 1 - Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel – whereby the Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of the correct location of the Kewaunee County Reception Center. This ARCA was successfully re-demonstrated.

The Planning Issue for Kewaunee County was identified under Criterion 3. A. 1. - The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures – whereby the Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of the correct administrative reporting limit on dosimetry. This Planning Issue remains open.

There were two ARCAs and four Planning Issues from previous exercises for the State of Wisconsin. The two ARCAs and two of the Planning Issues from previous exercises were successfully resolved by the State of Wisconsin while the two remaining Planning Issues were not resolved. There was one Planning Issue from previous exercises identified for Manitowoc County, which remains unresolved. There were no ARCAs or Planning Issues from previous exercises for Kewaunee County.

The first ARCA from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 1. E. 1 - Equipment, maps, displays, monitoring instruments, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations – whereby acceptable ranges of operation were not posted on the calibration stickers on the Bicron Micro-Rem meters or the Ludlum Model 12 count rate meters used in the Mobile Radiological Laboratory or the Sample Receiving Area.

The second ARCA from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 5. B. 1 - OROs provide accurate subsequent emergency information and instructions to the public and the news media in a timely manner – whereby 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 first Planning Issue from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 1. E. 1 - Equipment, maps, displays, monitoring instruments, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations – whereby the State of Wisconsin Radiological Incident Response Plan (RIRP) and Manitowoc County Emergency Operations Plan and supporting SOPs, checklists and forms identify the Permanent Record Dosimeters (PRDs) issued to emergency workers as TLDs (Thermo-Luminescent Dosimeters). However, Landauer/Luxel + Optically Stimulated Luminescent Dosimeters (OSLDs) were issued at the Manitowoc County Highway Department Reception Center.

The second Planning Issue from a previous exercise which was resolved by the State of Wisconsin was identified under Criterion 1. E. 1 - Equipment, maps, displays, monitoring instruments, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations – whereby the instructions in the Wisconsin Department of Health Services Radiological Incident Response Plan for response check of the Fluke Victoreen 451B Ion Chamber Survey Meter did not match the requirements posted on the calibration sticker for the instrument or the instructions posted with the check source jig in the mobile laboratory.

The third Planning Issue from a previous exercise which was not resolved by the State of Wisconsin was identified under Criterion 6. A. 1 - The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the facility has one shower stall that would be used for whole-body Evacuee/Emergency Worker Decontamination. The stall is not large enough to provide privacy for staging a clean towel and body covering (Tyvek suit), disrobing and placing contaminated clothing in a receptacle, showering, drying with the clean towel, and donning the clean garment. This Planning Issue will be addressed in the 2013 plan submittal to DHS/FEMA Region V by Manitowoc County.

The fourth Planning Issue from a previous exercise which was not resolved by the State of Wisconsin was identified under Criterion 1. E. 1 - Equipment, maps, displays, monitoring instruments, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations – whereby Restricted Area Field Team 2 did not record background measurements in a clean area for either the Fluke Victoreen 451B Ion Chamber Survey Meter or the Ludlum Model 12 Rate meter with Model 44-9 Probe. This Planning Issue was partially addressed in the 2012 plan submittal to DHS/FEMA Region V by the State of Wisconsin, but remains open pending further review by the Wisconsin Department of Health Services Radiation Protection Section.

The first Planning Issue from a previous exercise which was not resolved by Manitowoc County was identified under Criterion 3. C. 2 - OROs/School officials implement protective actions for schools – whereby the Manitowoc County Executive at the Emergency Operations Center (EOC) directed the Mishicot Superintendent to evacuate schools in the School District of Mishicot at the Site Area Emergency, Emergency Classification Level (ECL). Staff at the Manitowoc EOC did not receive confirmation that the School District of Mishicot had successfully evacuated their schools. This Planning Issue will be addressed in the 2013 plan submittal to DHS/FEMA Region V by Manitowoc County.

A detailed discussion of these issues can be found in Part IV of the Final Report.

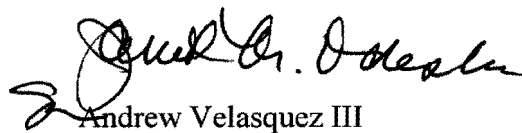
Based on the results of the April 17, 2012, exercise, the offsite radiological emergency response plans and preparedness for the State of Wisconsin and affected local jurisdictions, site-specific to the Point Beach Nuclear Plant, can be implemented and are adequate to provide reasonable assurance that 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 were transmitted to the DHS/FEMA National Office, Nuclear Regulatory Commission (NRC) Headquarters' Document Control Desk and the State of Wisconsin.

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

Sincerely,


Andrew Velasquez III
Regional Administrator

Enclosure (1)



Point Beach Nuclear Plant

After Action Report/ Improvement Plan

Exercise Date - April 17, 2012

Radiological Emergency Preparedness (REP) Program



FEMA

Published July 17, 2012

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Point Beach Nuclear Plant After Action Report/Improvement Plan

Published July 17, 2012

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EXECUTIVE SUMMARY

On April 17, 2012, a Radiological Emergency Preparedness (REP) Plume Exposure Pathway Exercise was conducted for the 10-mile Emergency Planning Zone (EPZ) around the Point Beach Nuclear Plant (PBNP) by the U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA), Region V. The purpose of the exercise was to assess the level of State and local preparedness for response to a radiological emergency. This exercise was conducted in accordance with DHS/FEMA's policies and guidance concerning the exercise of State and local Radiological Emergency Response Plans (RERPs) and procedures.

The most recent exercise at this site was conducted on October 26, 2010. The qualifying emergency preparedness exercise for the PBNP was conducted on March 9, 1982.

The PBNP is owned and operated by NextEra Energy, LLC. The plant consists of two-loop pressurized water reactors (Units 1 and 2) supplied by Westinghouse Electric Company, rated at 512 and 514 megawatts (MW), respectively. The operating licenses for the facility were granted in August 1973 (Unit 1) and October 1974 (Unit 2). Commercial operations began at the site during December 1973 (Unit 1) and December 1974 (Unit 2).

The plant site is located about 30 miles southeast of the city of Green Bay in Two Rivers, Wisconsin. Population centers within 50 miles of the site with more than 25,000 people include: Manitowoc (2010 census population: 33,736), located 13 miles southwest of the site; Green Bay (2010 census population: 104,057), located 30 miles northwest of the site; Appleton (2010 census population: 72,623), located 43 miles southwest of the site; and Sheboygan (2010 census population: 49,288), located 36 miles southwest of the site. The town of Two Rivers, which is located 10 miles south of the site, had a 2010 census population of 11,712.

The total population located within the 10-mile plume pathway EPZ was 20,954. The protective action Sub-Areas located within the 10-mile EPZ are as follows: 5, 10N, 10NW, 10W, 10SW and 10S.

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

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

This Final After Action Report/Improvement Plan contains the evaluation of the biennial exercise and the following out of sequence activities:

State of Wisconsin:

Evacuee/Emergency Worker Monitoring/Decontamination
Evacuee/Emergency Worker Equipment Monitoring/Decontamination including vehicles
Medical Services (MS-1) - Hospital Facility

Manitowoc County:

Dosimetry Distribution - Reception Center
Registration - Reception Center
Congregate Care Center
EV2 - Host School Interview - Two Rivers School District
Medical Services (MS-1) – Transportation

Kewaunee County:

Dosimetry Distribution - Reception Center
Registration - Reception Center
Congregate Care Center
EV2 - Host School Interview - Kewaunee School District
Medical Services (MS-1) – Transportation

There was one Deficiency identified for Manitowoc County. On June 28, 2012, this Deficiency was successfully re-demonstrated. No Deficiencies were identified during this exercise for the State of Wisconsin or Kewaunee County. There were two Areas Requiring Corrective Action (ARCAs) identified for the State of Wisconsin. One of these ARCAs was successfully re-

demonstrated during the exercise. There was one new Planning Issues identified for the State of Wisconsin during the exercise. There were two new ARCAs identified for Manitowoc County. One of these ARCAs was successfully re-demonstrated during the exercise. There was one new ARCA identified for Kewaunee County which was successfully re-demonstrated during the exercise. There was one new Planning Issue identified for Kewaunee County during the exercise.

There were two ARCAs and four Planning Issues from previous exercises for the State of Wisconsin. The two ARCAs and two of the Planning Issues from previous exercises were successfully resolved by the State of Wisconsin while the two remaining Planning Issues were not resolved. There was one Planning Issue from previous exercises identified for Manitowoc County, which remains unresolved. There were no ARCAs or Planning Issues from previous exercises for Kewaunee.

Sections 3 and 4 of this report provide detailed information regarding any Deficiencies, ARCAs, Planning Issues and Schedule of Corrective Actions.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Point Beach Nuclear Plant

Type of Exercise

Plume

Exercise Date

April 17, 2012

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 Department of Health Services, Radiation Protection Section
- Wisconsin Emergency Management
- Wisconsin State Patrol
- Wisconsin Department of Natural Resources - Drinking Water Supply
- Wisconsin Emergency Management Regional Director (State Liaison)
- Wisconsin Department of Transportation
- Wisconsin Public Service Commission
- Wisconsin Department of Corrections
- Wisconsin Department of Military Affairs
- Wisconsin Department of Justice
- Wisconsin Department of Public Information
- Wisconsin Department of Health Services
- Wisconsin Governor's Office
- Wisconsin Army National Guard
- University of Wisconsin Agricultural Extension Department
- Wisconsin Air National Guard
- Wisconsin Department of Agriculture, Trade and Consumer Protection
- Wisconsin Department of Commerce
- Wisconsin Department of Criminal Investigation
- Wisconsin Statewide Information Center
- Wisconsin Department of Children and Family Services
- Wisconsin National Guard Joint Operations Center
- Public Service Commission of Wisconsin
- Wisconsin Governor's Authorized Representative

Risk Jurisdictions

- Manitowoc County Hazardous Materials Team
- Sheboygan County Hazardous Materials Team
- Manitowoc City Police Department
- Manitowoc City Fire Department

Silver Creek Fire Department
Rockwood Fire Department
Valders Fire Department
Green Bay Fire Department
Tisch Mills Fire Department
Appleton Fire Department
Two Rivers Fire Department
Manitowoc County Health Department
Manitowoc County Department of Human Services
Manitowoc County Operations Officer
Manitowoc County Emergency Government Director
Manitowoc County Executive
Manitowoc County Board Chairperson
Manitowoc County Sheriff's Office
Two Rivers Police Department
Manitowoc County Fire Association
Manitowoc County Highway Department
Manitowoc County Chief Fire/Rescue
Manitowoc County Aging Disability Resource Center
Manitowoc County Human Services Officer
Manitowoc County Extension Agent
Manitowoc County Radiological Officer
Manitowoc County Joint Dispatch Center
Manitowoc County Public Information Officer
Kewaunee County Emergency Management
Manitowoc County Highway Department Reception Center
Kiel High School Congregate Care Center
Kewaunee County Sheriff's Department
Kewaunee County Community Service Officers (Volunteers)
Luxemburg/Casco Intermediate School Reception Center
Luxemburg/Casco Fire Department
Luxemburg Emergency Medical Services
Luxemburg/Casco Intermediate School Congregate Care Center
Luxemburg School District

Kewaunee County Radiological Officer
Kewaunee County Highway/Public Works Department
Kewaunee County Utilities
Kewaunee County Legal Department
Kewaunee County Administration
Kewaunee County Human Services Department
Kewaunee County Public Health
Kewaunee County Sheriff's Dispatch
Kewaunee County Public Information Office

Support Jurisdictions

State Auxiliary Health Monitors

Private Organizations

Lake Shore Technical College (Public Safety Students)
Radio Amateur Civil Emergency Services
Aurora Bay Care Hospital
Troop 1563 #25 Boy Scouts of America (Reception Center Volunteers)
Eastern Wisconsin Region of the American Red Cross
Lakeland Disaster Chapter of the American Red Cross
Radio Station WOMT
Radio Station WSRG
Lake Shore Aviation
American Red Cross, Badger Chapter

Federal Jurisdictions

Nuclear Regulatory Commission
Federal Emergency Management Agency Region V State Liaison
Federal Emergency Management Agency Region V IMAT Liaison
United States Coast Guard
Federal Emergency Management Agency Region V Joint Information Center
Liaison

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The DHS/FEMA Region V Radiological Emergency Preparedness (REP) Program Staff evaluated the Point Beach Nuclear Plant (PBNP) REP Full Participation Plume Exposure Pathway Exercise conducted on April 17, 2012, to assess the capabilities of local emergency preparedness organizations in implementing their Radiological Emergency Response Plans (RERP) and procedures to protect the public health and safety during a radiological emergency involving PBNP. The purpose of this report is to present the results and findings on the performance of the Offsite Response Organizations (OROs) during a simulated radiological emergency.

2.2 Exercise Objectives, Capabilities and Activities

Exercise objectives and identified Capabilities/REP Criteria selected to be demonstrated are discussed in Appendix E "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 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 “Scenario Details,” contains a summary of the Exercise Scenario and a simulated sequence of events that was used as the basis for invoking emergency response actions by OROs during the PBNP REP Full Participation Plume Exposure Pathway exercise on April 17, 2012.

Results of a technical review of the scenario, submitted by the State of Wisconsin and Next Era Energy on January 30, 2012, indicated that the scenario was adequate to support demonstration of DHS/FEMA requirements, as well as criteria selected by the OROs provided in the State’s November 22, 2011, extent-of-play submission. The DHS/FEMA Region V accepted this exercise scenario on March 27, 2012.

During the exercise, in addition to information and data provided through the PBNP onsite scenario, controllers from the State of Wisconsin provided “inject messages” containing scenario events and/or relevant data to those persons or locations who would normally receive notification of such events. These inject messages were the method used for invoking additional specific response actions by OROs.

SECTION 3: ANALYSIS OF CAPABILITIES

3.1 Exercise Evaluation and Results

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities that participated in the April 17, 2012, REP Full Participation Plume Exposure Pathway Exercise conducted to test the offsite 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 the FEMA REP Program Manual, dated October 2011. Detailed information on the exercise criteria and the extent-of-play agreements used in this exercise are found in Appendix E "Exercise Plan" of this report.

Presented below are definitions of the terms used in this report relative to the criteria demonstration status:

- **M – Met:** The status of a REP exercise Evaluation Area Criterion indicating that the participating ORO demonstrated all demonstration criteria for the Evaluation Area Criterion to the level required in the extent-of-play agreement with no Deficiencies, ARCAs or Plan Issues assessed in the current exercise and no unresolved prior ARCAs.
- **D – Deficiency:** An observed or identified inadequacy of organizational performance in an exercise that could cause a finding that offsite emergency preparedness is not adequate to provide reasonable assurance that appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of a nuclear power plant.
- **A – Area Requiring Corrective Action –** An observed or identified inadequacy of organizational performance in an exercise that is not considered, by itself, to adversely impact public health and safety. Listing of the demonstrated exercise criteria under which one or more ARCAs was/were assessed during the current exercise or ARCAs assessed during prior exercises remain unresolved. Included is a description of any ARCAs assessed during this exercise and the recommended corrective action to be demonstrated before or during the next biennial exercise.
- **P – Plan Issue –** An observed or identified inadequacy in the ORO's emergency plan or

implementing procedures, rather than in the ORO's performance.

- N – Not Demonstrated – Exercise criteria that were not demonstrated as scheduled during this exercise and the reason(s) they were not demonstrated.
- Prior ARCAs - Resolved – Descriptions of ARCAs assessed during previous exercises that were resolved and the corrective actions demonstrated, in this exercise.
- Prior ARCAs - Unresolved – Descriptions of ARCAs assessed during prior exercises that were not resolved in this exercise. Included is the reason the ARCA remains unresolved and recommended corrective actions to be demonstrated before or during the next exercise.

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 the FEMA REP Program Manual, dated October 2011, which were scheduled for demonstration during this exercise by all participating jurisdictions and functional entities. The criterion status box is blank if it was not scheduled for demonstration.

This subsection provides information on the evaluation of each participating jurisdiction and functional entity in a jurisdiction-based, issues-only format.

The DHS/FEMA has developed a standardized system for numbering exercise issues. This system is used to achieve consistency in numbering exercise issues among DHS/FEMA Regions and site-specific exercise reports within each Region. It also is used to expedite tracking of exercise issues on a nationwide basis.

The identifying number of Deficiencies, ARCAs, and Plan Issues includes the following elements, with each element separated by a hyphen (-).

- Plant Site Identifier – A two-digit number, corresponding to the Utility Billable Plant Site Code (49 for Point Beach Nuclear Plant).
- Exercise Year – The last two digits of the year the exercise was conducted.

-
- **Criterion Number** – An alpha and two-digit number corresponding to the criteria numbers in the six Exercise Evaluation Areas described in the FEMA REP Program Manual, dated October 2011, which supercedes the Federal Register Notice, Vol. 67, No. 80, dated April 25, 2002.
 - **Issue Classification Identifier** – (D = Deficiency, A = ARCA, P = Plan Issue).
 - **Exercise Identification Number** – A separate two or three-digit indexing number assigned to each issue identified in the exercise.

Table 3.1 - Summary of Exercise Evaluation (4 pages)

<p style="text-align: center;">DATE: 2012-04-17 SITE: Point Beach Nuclear Plant, WI M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		WI - SWC#1 - IWP	WI - SWC#2 - IWP	WI - SEOC	WI - SRCR	WI - FOC/MRL	WI - RAFT #1	WI - RAFT #2	WI - JIC - Media Ctr	WI - EOC KEW - State Liaison	WI - EOC MAN - State Liaison
Emergency Operations Management											
Mobilization	1a1	M	M	M	M		M	M	M		
Facilities	1b1										
Direction and Control	1c1			M	M				M	M	M
Communications Equipment	1d1	M	M	M	M		M	M	M		
Equipment and Supplies to Support Operations	1e1			M	M	M	M	P	M		
Protective Action Decision Making											
EW Exposure Control Decisions	2a1				M						
PARs	2b1			M	M						
PADs	2b2			M	M						
PADs for Disabled/Functional Needs	2c1				M						
Ingestion PADs	2d1										
RRR Decisions	2e1										
Protective Action Implementation											
EW Exposure Control Implementation	3a1						M	M			
KI Public/Institutionalized	3b1										
PAD Implementation Disabled/Functional Needs	3c1										
PAD Implementation Schools	3c2										
TACP Establishment	3d1										
Impediments	3d2										
Implement Ingestion PADs	3e1										
Coordination of RRR Decisions	3e2										
Coordination of RRR Decisions	3f1										
Field Measurement and Analysis											
RESERVED	4a1										
Field Team Management	4a2				M						
Field Team Operations	4a3						M	M			
Field Team Sampling	4b1										
Laboratory Operations	4c1										
Emergency Notification and Public Info											
Initial Alert & Notification	5a1			M							
RESERVED	5a2										
Backup Alert & Notification	5a3										
Exception Area Alerting	5a4										
Subsequent Information & Instructions	5b1			M					M		
Support Operations/Facilities											
Reception Center Operations	6a1										
EW Monitoring & Decontamination	6b1										
Congregate Care	6c1										

Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Point Beach Nuclear Plant

[illegible]

Table 3.1 - Summary of Exercise Evaluation (Continued, page 2/4)

DATE: 2012-04-17 SITE: Point Beach Nuclear Plant, WI M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated											
		WI - Hwy Dept - Evac/Emer Wkr - M/D	WI - Hwy Dept - EWMDEq incl Veh	WI - Lux/Casco Int SD - Evac/Em Wkr M/D	WI - Lux/Casco Int - EWMDEqV	WI - JIC - Public Info/ Hotline	WI - Aurora BayCare MC - MSIF	MAN - SDC - IWP	MAN - EOC	MAN - JIC - PIO	MAN - Sheriff's Dept - DDP
Emergency Operations Management											
Mobilization	1a1							M	M	M	
Facilities	1b1										
Direction and Control	1c1	M		M					M		
Communications Equipment	1d1						M	M	M		M
Equipment and Supplies to Support Operations	1e1						M		M		M
Protective Action Decision Making											
EW Exposure Control Decisions	2a1								M		
PARs	2b1										
PADs	2b2								M		
PADs for Disabled/Functional Needs	2c1								M		
Ingestion PADs	2d1										
RRR Decisions	2e1										
Protective Action Implementation											
EW Exposure Control Implementation	3a1		M		M		M		M		M
KI Public/Institutionalized	3b1								M		
PAD Implementation Disabled/Functional Needs	3c1								M		
PAD Implementation Schools	3c2								P		
TACP Establishment	3d1								M		
Impediments	3d2								M		
Implement Ingestion PADs	3e1										
Coordination of RRR Decisions	3e2										
Coordination of RRR Decisions	3f1										
Field Measurement and Analysis											
RESERVED	4a1										
Field Team Management	4a2										
Field Team Operations	4a3										
Field Team Sampling	4b1										
Laboratory Operations	4c1										
Emergency Notification and Public Info											
Initial Alert & Notification	5a1								M		
RESERVED	5a2										
Backup Alert & Notification	5a3								M		
Exception Area Alerting	5a4										
Subsequent Information & Instructions	5b1					M			M	M	
Support Operations/Facilities											

Unclassified
Radiological Emergency Preparedness Program (REP)

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Point Beach Nuclear Plant

Reception Center Operations	6a1	P	A	M	M						
EW Monitoring & Decontamination	6b1	M	M	M	M						
Congregate Care	6c1										
Contaminated Injured Transport & Care	6d1						M				

Table 3.1 - Summary of Exercise Evaluation (Continued, page 3/4)

<p align="center">DATE: 2012-04-17 SITE: Point Beach Nuclear Plant, WI M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>			MAN - Sheriff's Dept - TCP	MAN - Sheriff's - Excpn Area A and B	MAN - Lakeshore Avn - Route Alert	MAN - EAS - WOMT	MAN - Two Rivers SD - EV2	MAN - Hwy Dept - DDP	MAN - Hwy Dept - Evac/Emerg Wkr Reg	MAN - Kiel HS - CCC	MAN - Manitowoc Fire/EMS - MS-1T	KEW - SDC - IWP
Emergency Operations Management												
Mobilization	1a1											M
Facilities	1b1											
Direction and Control	1c1								M			
Communications Equipment	1d1	M	M	M	M	M		M	M	M	M	M
Equipment and Supplies to Support Operations	1e1	M	M	M		M		M			M	
Protective Action Decision Making												
EW Exposure Control Decisions	2a1											
PARs	2b1											
PADs	2b2											
PADs for Disabled/Functional Needs	2c1											
Ingestion PADs	2d1											
RRR Decisions	2e1											
Protective Action Implementation												
EW Exposure Control Implementation	3a1	M	M	M		M	M				M	
KI Public/Institutionalized	3b1											
PAD Implementation Disabled/Functional Needs	3c1											
PAD Implementation Schools	3c2					M						
TACP Establishment	3d1	M										
Impediments	3d2											
Implement Ingestion PADs	3e1											
Coordination of RRR Decisions	3e2											
Coordination of RRR Decisions	3f1											
Field Measurement and Analysis												
RESERVED	4a1											
Field Team Management	4a2											
Field Team Operations	4a3											
Field Team Sampling	4b1											
Laboratory Operations	4c1											
Emergency Notification and Public Info												
Initial Alert & Notification	5a1			A	M							
RESERVED	5a2											
Backup Alert & Notification	5a3											
Exception Area Alerting	5a4		M									
Subsequent Information & Instructions	5b1											
Support Operations/Facilities												

Unclassified
Radiological Emergency Preparedness Program (REP)

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Point Beach Nuclear Plant

Reception Center Operations	6a1							M			
EW Monitoring & Decontamination	6b1							M			
Congregate Care	6c1								M		
Contaminated Injured Transport & Care	6d1									M	

Table 3.1 - Summary of Exercise Evaluation (Continued. page 4/4)

DATE: 2012-04-17 SITE: Point Beach Nuclear Plant, WI M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated											
		KEW - EOC	KEW - JIC - PIO	KEW - Annex Bldg - DDP	KEW - Sheriff's Dept - TCP	KEW - EAS - WSRG	KEW - Kewaunee SD - EV2	KEW - Luxemburg Amb Srv - MS - IT	KEW - Lux/Casco Int - Evac/EmerWkr Reg	KEW - Lux/Casco Int SD - CCC	KEW - Lux/Casco Int SD - DDP
Emergency Operations Management											
Mobilization	1a1	M	M								
Facilities	1b1										
Direction and Control	1c1	M							M		
Communications Equipment	1d1	M		M	M	M	M	M	M	M	
Equipment and Supplies to Support Operations	1e1	M		M	M		M	M	M		
Protective Action Decision Making											
EW Exposure Control Decisions	2a1	M									
PARs	2b1										
PADs	2b2	M									
PADs for Disabled/Functional Needs	2c1	M									
Ingestion PADs	2d1										
RRR Decisions	2e1										
Protective Action Implementation											
EW Exposure Control Implementation	3a1	M		M	P			M			M
KI Public/Institutionalized	3b1	M									
PAD Implementation Disabled/Functional Needs	3c1	M									
PAD Implementation Schools	3c2	M					M				
TACP Establishment	3d1	M			M						
Impediments	3d2	M									
Implement Ingestion PADs	3e1										
Coordination of RRR Decisions	3e2										
Coordination of RRR Decisions	3f1										
Field Measurement and Analysis											
RESERVED	4a1										
Field Team Management	4a2										
Field Team Operations	4a3										
Field Team Sampling	4b1										
Laboratory Operations	4c1										
Emergency Notification and Public Info											
Initial Alert & Notification	5a1	M				M					
RESERVED	5a2										
Backup Alert & Notification	5a3										
Exception Area Alerting	5a4										
Subsequent Information & Instructions	5b1	M	M								
Support Operations/Facilities											

Unclassified
Radiological Emergency Preparedness Program (REP)

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Point Beach Nuclear Plant

Reception Center Operations	6a1									M		
EW Monitoring & Decontamination	6b1									M		
Congregate Care	6c1										M	
Contaminated Injured Transport & Care	6d1								M			

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, at State Warning Center #1 demonstrated the Target Capability of Emergency Operations Center Management. The State Patrol dispatcher used appropriate procedures to accurately record information received from Point Beach Nuclear Plant (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 at State Warning Center #2. The WEM Duty Officer used appropriate procedures to accurately record information received from the Point Beach Nuclear Plant (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 Area Requiring Corrective Action (ARCA), 49-10-5b1-A-02 from a previous exercise, PBNP October 2010, was resolved.

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.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: 5.b.1.

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

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.

CORRECTIVE ACTION DEMONSTRATED: The Public Inquiry Hotline was activated and the message went out that the Hotline is active and the number for the hotline was released to the public notifying them, if they have any questions to call the 1-800 number for information regarding the PBNP incident. The hotline was active prior to the release of the number, therefore clearing the previous issue.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.4 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.c.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

3.3.1.5 State of Wisconsin - Forward Operations Center - Mobile Radiological Laboratory

The Forward Operations Center/Mobile Radiological Laboratory (FOC/MRL) was not evaluated during the exercise with the exception of observing procedures related to Area Requiring Corrective Action (ARCA) 49-10-1e1-A-01 from a previous exercise, PBNP October 2010. This ARCA was resolved.

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

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

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

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.

CORRECTIVE ACTION DEMONSTRATED: A 10 uCi Cs-137 check source was positioned in a reproducible geometry jig and used to perform operational checks of all portable survey meters. During the 2010 PBNP Radiological Emergency Preparedness Exercise, the State of Wisconsin FOC/MRL was assessed an Area Requiring Corrective Action (ARCA) due to portable instrumentation lacking labels that indicated acceptable range of readings when operationally checked with a check source. During the April 17, 2012 PBNP Radiological Emergency Preparedness Exercise, all portable instruments possessed labels that indicated an acceptable range of readings and were successfully operationally checked with the check source.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.6 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, 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

3.3.1.7 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, 3.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: 1.e.1.

ISSUE NO.:

ISSUE: (Not found in the database!)

CORRECTIVE ACTION DEMONSTRATED:

- g. PRIOR ISSUES - UNRESOLVED: 1.e.1.

ISSUE NO.: 33-11-1e1-P-05

ISSUE: Restricted Area Field Team # 2 did not record background measurements in a clean area for either the Fluke Victoreen 451B Ion Chamber Survey Meter or the Ludlum Model 12 Ratemeter with Model 44-9 Probe. During interview, team members were unable to recall what the original or baseline background readings had been.

REASON UNRESOLVED: The State of Wisconsin submitted an updated RIRP to DHS/FEMA Region V in February 2012, however the changes did not adequately address the Planning Issue.

3.3.1.8 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, 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

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

The State of Wisconsin Liaison to the Kewaunee County Emergency Operations Center (EOC) 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 (SEOC). 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.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

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

The State of Wisconsin Liaison to the Manitowoc County Emergency Operations Center (EOC) 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 (SEOC). 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.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

3.3.1.11 State of Wisconsin - Highway Department - Evacuee/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. One evacuee and one emergency worker with simulated contamination were correctly identified and directed to the decontamination station. An issue was identified in which the registration station was located too close to the portal monitor, thus impeding the ability to process the required number of evacuees to meet the 20% in 12 hour time standard. This issue was successfully re-demonstrated and classified as Area Requiring Corrective Action (ARCA) 49-12-6a1-A-01.

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

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

ISSUE NO.: 49-12-6a1-A-01

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

CONDITION: The monitoring procedure included getting the individuals name and a four digit identifier immediately after exiting the portal before stamping them with a red OK and sending them to the Registration station. This procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required.

POSSIBLE CAUSE: The taking of the names by the same individual who was operating the portal slowed down operations.

REFERENCE: NUREG-0654/FEMA REP-1,A.3:C.4

EFFECT: Failure to meet the requirement to monitor 20% of expected evacuees within 12 hours.

CORRECTIVE ACTION DEMONSTRATED: When this problem was brought to the attention of the Reception Center Manager, an alternate procedure was devised. The evacuees would proceed after monitoring to a secondary station about 30-feet back, where their name and a four digit identifier would be taken before stamping them with a red OK and sending them to the Registration Station. Using this procedure, it took 18 seconds per evacuee. At this rate, they would be able to monitor 4800 evacuees in 12-hours, which is more than sufficient.

- c. DEFICIENCY: None

d. PLAN ISSUES: 6.a.1.

ISSUE NO.: 49-12-6a1-P-02

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

CONDITION: The current monitoring procedure used includes getting the individuals name and a four digit identifier immediately after exiting the portal monitor before stamping them with a red OK and sending them to the Registration station. This procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required.

POSSIBLE CAUSE: The taking of the names by the same individual who was operating the portal slowed down operations.

REFERENCE: NUREG-0654/FEMA REP-1,A.3:C.4

EFFECT: Failure to meet the requirement to monitor 20% of expected evacuees within 12 hours.

RECOMMENDATION: An alternate location for registration which does not slow the actual travel through the portal monitor, such as the one devised during the drill, whereby evacuees would proceed after monitoring to a secondary station about 30-feet back, where their name and a four digit identifier would be taken before stamping them with a red OK and sending them to the Registration Station should be developed and used.

- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: 6.a.1.

ISSUE NO.: 33-11-6a1-P-02

ISSUE: The facility has one shower stall that would be used for whole-body Evacuee/Emergency Worker Decontamination. The stall is not large enough to provide privacy for staging a clean towel and body covering (Tyvek suit), disrobing and placing contaminated clothing in a receptacle, showering, drying with the clean towel, and donning the clean garment. These activities could be viewed by the Decontamination Team Recorder, who would hand a clean towel to the evacuee/emergency worker for drying and a Tyvek suit body covering for donning, as well as by the Entrance and Exit Monitors.

When queried by the Evaluator, the Appleton Hazmat Team personnel who operated the station stated that the Team has no female personnel who are trained Monitors or Recorders.

The floor diagram on page ATT 1-21 of the Manitowoc County Emergency Operations Plan (Attachment 1 – Manitowoc County Reception Center Personnel Decontamination) does not accurately reflect the actual configuration of the personnel decontamination facility. The diagram shows a Hand Washing Sink located outside the Decontamination Station Room (combination Locker Room/Shower in the diagram) past the “Frisking Stations.” During this exercise, the sink used for hand washing by Evacuees/Emergency Workers was located inside (rather than outside) the combination Locker Room/Shower in a separate toilet/wash room. The combination locker/shower room portion of the diagram does not accurately reflect that actual configuration of the room(s).

REASON UNRESOLVED: They still only have the one decontamination station for both males and females. Currently, there are no trained female monitors.

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

The Manitowoc County Highway Department Reception Center (RC) Evacuee and 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 evacuee and one emergency worker vehicle with simulated contamination were correctly identified and decontaminated in accordance with appropriate plans and procedures.

An issue was identified in which the pressure hose used to conduct vehicle decontamination was causing potential cross contamination. This issue was classified as Area Requiring Corrective Action (ARCA) 49-12-6a1-A-08 and remains unresolved.

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

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

ISSUE NO.: 49-12-6a1-A-08

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

CONDITION: The use of a pressure washer to decontaminate a vehicle has a high potential for cross contamination of the vehicle, emergency workers and the instrumentation being used to re-monitor the vehicle.

Monitoring a vehicle in the same area as it is washed can give a false reading on the survey meter. The instrument will also read the contamination from the waste water that the vehicle remains in following the decontamination effort.

POSSIBLE CAUSE: Although there are two low pressure hose bibs in the wash bay that are available for use, the procedure guides the vehicle decontamination staff to use the pressure washer and soap to decontaminate and rinse the entire vehicle.

There is nothing in the procedure to separate a wash area from a re-monitoring area,

therefore, the vehicle gets washed and re-monitored in exactly the same area. There is no procedural guidance to move the vehicle from where it was washed to a clean location prior to re-monitoring it.

REFERENCE: The use of the pressure washer is referenced in Attachment 1 – State Auxiliary Health Monitors, Auxiliary Health Monitor SOPS (Manitowoc County Hazmat Team)

Page 10 on attachment 1, Manitowoc County EOP, February 2011

The reference for the activity that was evaluated is Monitoring, Decontamination, and Registration of Evacuees (6.a.1)

NUREG-0654/FEMA-REP-1, A.3; C.4; J.10.h; J.12

REP Program Manual October 2011, Page II-92, Decontamination , Paragraph 3 (3).

EFFECT: The result of attempting to decontaminate a vehicle with high pressure spray creates a high potential to cross contaminate the vehicle, emergency workers and the instrumentation being used to re-monitor the vehicle. Anything else in the wash bay could also be contaminated by using this method to wash the vehicle

By re-monitoring the vehicle in the same area as it was washed creates the potential for a false reading on the survey meter. The meter can read contamination levels from the waste water under and around the vehicle after it is decontaminated.

RECOMMENDATION: Change the procedure to have the vehicle stop just after it is inside the wash bay. Decontaminate the vehicle with the low pressure water sources located on the wall of the wash bay (two standard garden hoses). Upon completing the attempt to decontaminate the vehicle, move the vehicle to the opposite end of the wash bay, or just outside the exit door, and re-monitor the vehicle in a clean area.

The areas in the wash bay could be identified with barrier tape, cones, etc. to identify what is to take place in each area of the wash bay (ie. Vehicle decontamination area, vehicle re-monitoring area).

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

3.3.1.13 State of Wisconsin - Luxemburg/Casco Intermediate School - Evacuee/Emergency Worker Monitoring and Decontamination

The Kewaunee County Reception Center (RC) Evacuee and Emergency Worker 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.

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

- a. MET: 1.c.1, 6.a.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 - Luxemburg/Casco Intermediate School - Evacuee/Emergency Worker Monitoring - Decontamination of Equipment Including Vehicles

The Kewaunee County Reception Center (RC) Evacuee and 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 evacuee vehicle and one emergency worker 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: 3.a.1, 6.a.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

3.3.1.15 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 2012 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: 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 Services - 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.

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 Manitowoc County - Sheriff's 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 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 Manitowoc County - Emergency Operations Center

Manitowoc 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 Manitowoc 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 Manitowoc County EOC coordinated decision-making with the SEOC, JIC and other jurisdictions.

An issue was identified in which the Health & Safety of the general public was potentially compromised during the PBNP Exercise. This issue was classified as Deficiency 49-12-5a1-D-05 .

On June 28, 2012 Manitowoc County conducted a re-demonstration that successfully resolved the Deficiency.

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.d.1, 3.d.2, 5.a.1, 5.a.3, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: 5.a.1.

ISSUE NO.: 49-12-5a1-D-05

CRITERION: Activities associated with primary alerting and notification of the

public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance.

CONDITION: The Health & Safety of the general public was potentially compromised during the PBNP Exercise. The Manitowoc County Public Information Officer did not provide the EAS Radio Station (WOMT) the time that Sirens were to be activated, per Manitowoc County Emergency Operations Plan, Annex I - Part 2.V - Public Information Officer Nuclear Power Plant Incident Checklist – EAS Message Selection and Broadcast SOP, in order for the station to commence dissemination of an evacuation message for the general public in Sub-Area 5 of the PBNP 10-mile EPZ.

POSSIBLE CAUSE: The Manitowoc County PIO may not have utilized their standard operating procedures checklist regarding specific instructions to contact the radio station.

REFERENCE: NUREG-0654/FEMA, REP.1, REV.1, Evaluation Criteria E.5 and E.6.

EFFECT: The delay of the initial EAS message not being broadcast could have resulted in increased radiation exposure of simulated radioactive materials to the general public in Sub-Area 5.

CORRECTIVE ACTION DEMONSTRATED: Following the April 17, 2012, Point Beach Nuclear Plant (PBNP) Radiological Emergency Preparedness (REP) Exercise, Manitowoc County successfully re-demonstrated the capability to select and disseminate appropriate emergency alert messages to the media and the public. The re-demonstration was conducted in response to Deficiency 49-12-5A1-D-05. The scenario and extent-of-play for the re-demonstration was based on the May 25, 2012, Schedule of Corrective Action letter from the State of Wisconsin and Manitowoc County to the Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region V and subsequent discussions between the aforementioned agencies.

The re-demonstration was conducted during an out-of-sequence activity on June 28, 2012, from approximately 1100 hours to 1230 hours at the Manitowoc County Emergency Operations Center (EOC), located at 1024 South 9th Street, Manitowoc, Wisconsin; and at the studio offices of Radio Station WOMT at 3730 Mangin Street, Manitowoc, Wisconsin.

At 1115 hours, the protective action decision (PAD) from the PBNP was provided by controller-inject to initiate the re-demonstration. The PAD indicated the evacuation of Sub-Area 5, and called for dissemination of the "EAS Message" and for "PB Evac 1." Manitowoc County officials conferred with Kewaunee County and the State of Wisconsin, and agreed to sound the sirens at 1130 hours.

The Manitowoc County Public Information Officer (PIO) contacted Radio Station WOMT at 1119 hours, and informed the radio station operator that the sirens would sound (simulated) at 1130 hours, due to a General Emergency at the PBNP. The PIO stated that the EAS Message and the PB Evac 1 message should be broadcast immediately following siren completion.

At 1120 hours, the radio station recorded PB Evac 1 on their recording system and was on the line the entire time with the Manitowoc County PIO. After the recording was completed, the radio station engineer took the recording to the editing room to ensure that the recording was clear and within the required time length.

At 1125 hours, the radio station received the fax copy of the message and was instructed to play the message every 15 minutes until he was told to stop. During the entire time, the Manitowoc County PIO and the radio station engineer were in constant communication with each other via commercial telephone.

At 1130 hours, the sirens were activated from the Manitowoc County EOC. After one minute to allow for siren cycle completion, the Manitowoc County Spokesperson in the EOC read both the EAS Message and the PB Evac 1 in their entirety. At 1136 hours, this action was completed. The Manitowoc County PIO subsequently called radio station WOMT and confirmed the message was broadcast.

The actions demonstrated during this re-demonstration by the Manitowoc County EOC and Radio Station WOMT are adequate to satisfactorily clear the Deficiency that was levied during the April 17, 2012, PBNP REP Exercise.

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

- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: 3.c.2.

ISSUE NO.: 33-11-3c2-P-03

ISSUE: The Manitowoc County Executive at the Emergency Operations Center (EOC) directed the Mishicot Superintendent to evacuate schools in the School District of Mishicot at the Site Area Emergency Emergency Classification Level (ECL). Staff at the Manitowoc EOC did not receive confirmation that the School District of Mishicot had successfully evacuated their schools.

REASON UNRESOLVED: The Manitowoc County EOP has not been updated, so Planning Issue 33-11-3c2-P-03 remains open pending the submittal of the 2012 Manitowoc County EOP.

3.3.2.3 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 facility is well designed and serves as an efficient facility. The Telephone Response Center had access to prescribed Frequently Asked Questions (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 Manitowoc County - Sheriff's 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 Dosimetry Distribution Point located at 1025 South 9th Street, Manitowoc, WI. The Public Health Nurse demonstrated the proper use of direct-reading and thermo-luminescent 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.
- 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 Manitowoc County - Sheriff's Department - Traffic Control Point

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 and Access Control Points (TACPs) 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 TACPs 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.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 Manitowoc County - Sheriff's Department - Exception Area A and B

Manitowoc County demonstrated the Target Capability of Emergency Public Safety and Security Response through interview and demonstration which included the distribution of dosimetry, emergency worker radiological exposure management, and the capability to perform Exception Area Route Alerting by vehicle within the 10-mile Emergency Planning Zone. A Manitowoc County Sheriff's Deputy was dispatched by the Law Enforcement Officer in the Manitowoc County EOC to conduct the notification for the exception area in Manitowoc County.

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, 5.a.4.
- 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 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. A Manitowoc County Sheriff's Deputy was dispatched by the Law Enforcement Officer in the Manitowoc County EOC to meet with the private pilot and assist him with the notification along the supplemental route via aircraft in Manitowoc County. An issue was identified in which the emergency broadcast message could not be heard. This issue was classified as Area Requiring Corrective Action (ARCA) 49-12-5a1-A-06 and remains unresolved.

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.
- b. AREAS REQUIRING CORRECTIVE ACTION: 5.a.1.

ISSUE NO.: 49-12-5a1-A-06

CRITERION: Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance.

CONDITION: According to the Manitowoc County Emergency Operations Plan, people fishing on Lake Michigan will be warned by the U.S. Coast Guard and the Manitowoc County Sheriff's Department fixed-wing aircraft with Public Address System fly-over capability (weather permitting). The flyover may also be used to supplement route alerting in the two designated Exception Areas, A and B. When the plane flew overhead at its normal cruising speed, the emergency message broadcast over the loudspeaker could not be heard over the propeller noise, despite making three flyovers. Additionally, only a portion of the emergency message could be heard given the speed of the aircraft versus the length of the emergency message.

POSSIBLE CAUSE: This failure could be due to the back-up amplifier not being powerful enough for use on a plane.

REFERENCE: NUREG-0654, E.1.,4.,5.,6.,7.

EFFECT: Individuals would not be notified in a timely manner of an emergency and possibly of the need to evacuate the area.

RECOMMENDATION: Either the amplifier should be repaired or a new one purchased to replace it. Either way it should be tested during a flyover and the actual time the message could be heard both inside and out determined so that an effective message can be created. In addition, since the length of the message exceeds the time the flyover takes the plane to make its flyover, consider changing the message.

- 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 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

3.3.2.9 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 telephone interview. The Two Rivers School District representative described plans and procedures to safely evacuate students from the PBNP 10-mile 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.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

3.3.2.10 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 in Manitowoc, Wisconsin. The Public Health Nurse demonstrated the proper use of direct-reading and thermo-luminescent 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. An issue was identified in which emergency workers were directed to wear their direct-reading dosimeters inside their clothing. This issue was successfully re-demonstrated and classified as Area Requiring Corrective Action (ARCA) 49-12-3a1-A-07.

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

- a. MET: 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 3.a.1.

ISSUE NO.: 49-12-3a1-A-07

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

CONDITION: The dosimetry briefing incorrectly instructed emergency workers to wear their DRDs in an inside pocket.

POSSIBLE CAUSE: Although the briefer followed the dosimetry briefing checklist in all other respects, she did not read the part of the instructions that states: "They should be worn outside of clothing at chest level." She appeared to be concerned more about protecting the DRDs against falling than against giving easy access to them.

REFERENCE: NUREG-0654/FEMA-REP-1,J.10.e; K.3.a, b; K.4

Manitowoc County Emergency Operations Plan, Attachment 3, Dosimetry;
Manitowoc County Emergency Operations Plan, Att. 3-2, "Emergency Worker Briefing Checklist."

EFFECT: While placing the DRDs in an inside chest pocket would provide an accurate reading, personnel wearing protective clothing could compromise their protection by opening their clothing as they read their dosimeters every 30 minutes.

CORRECTIVE ACTION DEMONSTRATED: The staff member provided several briefings to the various reception center teams. After having had this error brought to

her attention after three briefings, it was corrected in subsequent briefings. The Reception Center Manager reinforced the instructions to wear DRDs on the outside in his overall briefing to the full complement of personnel just before declaring the reception center operational, instructing all those with DRDs in inside pockets to switch them to the outside. This ARCA has been closed.

- 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 - Highway Department - Evacuee/Emergency Worker Registration

The Manitowoc County Reception Center (RC) Evacuee and Emergency Working registration 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. Six evacuees and Two emergency workers were processed through the appropriate registration stations. Evacuees were transitioned to the Congregate Care Center and emergency workers were returned to duty or transitioned to off duty status.

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, 6.a.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

3.3.2.12 Manitowoc County - Kiel High School - Congregate Care Center

Manitowoc County and the American Red Cross Eastern Wisconsin Region (ARC) successfully demonstrated the Target Capability of communications equipment to support emergency operations during an out-of-sequence demonstration. The demonstration was conducted at the Kiel High School Congregate Care Center, 210 Raider Street Kiel, Wisconsin.

ARC successfully demonstrated that they had the resources to provide services and accommodations consistent with American Red Cross planning guidelines, and had procedures to assure that evacuees had been monitored for contamination, and had been decontaminated as appropriate prior to entering the Congregate Care Center.

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

3.3.2.13 Manitowoc County - Manitowoc County Fire Department/EMS - Medical Services - Transportation

The State of Wisconsin and the Manitowoc County Fire Department demonstrated the Target Capability that they have the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals. Manitowoc County Fire Department demonstrated the capability to transport contaminated, injured individuals.

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

3.3.2.14 Kewaunee County - Sheriff's 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

3.3.2.15 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 Manitowoc 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 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.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

3.3.2.16 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 prescribed Frequently Asked Questions (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

3.3.2.17 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.
- 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 Kewaunee County - Sheriff's 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 and Access Control Points (TACPs) 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 TACPs in addition to the use of appropriate dosimetry procedures, documentation and communications equipment including portable radios, cell phones and mobile data terminals.

An issue was identified in which the Deputy was not aware of the location of the Reception Center (Luxumburg/Casco Intermediate School). This issue was successfully re-demonstrated and classified as Area Requiring Corrective Action (ARCA) 49-12-3d1-A-04.

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

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

ISSUE NO.: 49-12-3d1-A-04

CRITERION: Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel.

CONDITION: The Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of the correct location of the Reception Center and Emergency Worker Monitoring and Decontamination Center. The Emergency Worker stated the location as Algoma High School. The correct location was the Luxemburg/Casco Intermediate School.

POSSIBLE CAUSE: The location for the Reception Center and Emergency Worker Monitoring and Decontamination Center was changed in 2011 from Algoma High School to the Luxemburg/Casco Intermediate School. While it is recognized that Algoma High School served as the Reception Center and Emergency Worker Monitoring and Decontamination Center for many years, it is important to ensure that all Emergency Workers are aware of the change.

REFERENCE: NUREG-0654/FEMA REP-1, K.5.b. and J.10.c.

EFFECT: Sending the general public to the incorrect reception center and sending emergency workers to the incorrect monitoring and decontamination could result in unnecessary additional exposure to radiation.

CORRECTIVE ACTION DEMONSTRATED: A training session for the Emergency Worker was conducted by the Kewaunee County Emergency Management Director at approximately 1200 hours on April 17, 2012. A subsequent interview of the Emergency Worker at approximately 1230 hours revealed that he was aware of the correct location for the Reception Center and Emergency Worker Monitoring and Decontamination Center; Luxemburg/Casco Intermediate School. This ARCA was redemonstrated and corrected on the spot.

- c. DEFICIENCY: None
- d. PLAN ISSUES: 3.a.1.

ISSUE NO.: 49-12-3a1-P-03

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the

plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: The Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of the correct administrative reporting limit on dosimetry. The Emergency Worker stated the limit as whenever the needle moves on either dosimeter. However, a planning recommendation is to make the following four different plans and procedures consistent regarding an initial DRD reporting limit in order to avoid confusion by EWs. 1) The procedure used by the Kewaunee County Radiological Officer ("Emergency Worker Briefing Checklist") under "Exposure Limits" states: "A change in reading of 20 mR or more on your 0-200 mR Dosimeter or any scale deflection on your 0-20 R Dosimeter should be immediately reported to your supervisor". 2) The procedure carried by the Kewaunee County Highway Department EW staffing the TACP was titled "Nuclear Incident Guidelines for Road Block.", paragraph 4 on page 1 states: "any reading or any movement or more on dosimeter (report in)." 3) On page 67 of Annex I, Radiological Incidents/Risk County, of the Kewaunee County Emergency Operations Plan (EOP), paragraph 5, states, "Record readings when significant changes are noted (e.g. an increase of 25 mR in 15 minutes)..." 4) Finally on page 69 of Annex I of the Kewaunee County EOP, paragraph f., states: "Each field worker should notify his/her supervisor if the low-range 0-200 mR Direct Reading Dosimeter (DRD) reaches full-scale, or any time the medium-range 0-20 R Direct-Reading Dosimeter (DRD) reaches the 2, 5, 10 or 20 R reading."

POSSIBLE CAUSE: There are four separate references in plans and procedures with different administrative reporting limits.

REFERENCE: NUREG 0654, paragraph K.4.

EFFECT: Confusion with an Emergency Worker's administrative reporting limit could result in the Radiological Officer not being able to track exposure levels and possible future unnecessary additional exposure to radiation.

RECOMMENDATION: A training session for the Emergency Worker was conducted by the Kewaunee County Emergency Management Director at approximately 1200 hours on April 17, 2012. The Emergency Management Director trained the initial reporting limit as 20 mR. A subsequent interview of the Emergency Worker at approximately 1230 hours revealed that he was aware of the correct initial reporting limit of 20 mR. It is suggested all four references be changed to reflect consistency in their wording and indicate the same initial reporting limit.

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

3.3.2.19 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 Point Beach Nuclear Plant, 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

3.3.2.20 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 School District representative described plans and procedures to safely evacuate students from the PBNP 10-mile 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.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

3.3.2.21 Kewaunee County - Luxemburg Ambulance Service - Medical Services - Transportation

The State of Wisconsin, Kewaunee County and the Luxemburg Ambulance Squad Transportation demonstrated the Target Capability that they have the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals. Luxemburg Ambulance Squad Transportation demonstrated the capability to transport contaminated, injured individuals.

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

3.3.2.22 Kewaunee County - Luxemburg/Casco Intermediate School - Evacuee/Emergency Worker Registration

The Kewaunee County Reception Center (RC) Evacuee and Emergency Working registration 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. Six evacuees and Two emergency workers were processed through the appropriate registration stations. Evacuees were transitioned to the Congregate Care Center and emergency workers were returned to duty or transitioned to off duty status.

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, 6.a.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

3.3.2.23 Kewaunee County - Luxemburg/Casco Intermediate School - Congregate Care Center

Kewaunee County and the American Red Cross Eastern Wisconsin Region (ARC) successfully demonstrated the Target Capability of communications equipment to support emergency operations during an out-of-sequence demonstration. The demonstration was conducted at the Kewaunee County Reception Center, Luxemburg/Casco Intermediate School, 318 N. Main Street, Luxemburg, Wisconsin.

ARC successfully demonstrated that they had the resources to provide services and accommodations consistent with American Red Cross planning guidelines, and had procedures to assure that evacuees had been monitored for contamination, and had been decontaminated as appropriate prior to entering the Congregate Care Center.

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

3.3.2.24 Kewaunee County - Luxemburg/Casco Intermediate 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 Kewaunee County Reception Center, Luxemburg/Casco Intermediate School, 318 Main Street, Luxemburg, Wisconsin. 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: 3.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

SECTION 4: CONCLUSION

There was one Deficiency identified for Manitowoc County. On June 28, 2012, this Deficiency was successfully re-demonstrated. No Deficiencies were identified during this exercise for the State of Wisconsin or Kewaunee County. There were two Areas Requiring Corrective Action (ARCAs) identified for the State of Wisconsin. One of these ARCAs was successfully re-demonstrated during the exercise. There was one new Planning Issues identified for the State of Wisconsin during the exercise. There were two new ARCAs identified for Manitowoc County. One of these ARCAs was successfully redemonstrated during the exercise. There was one new ARCA identified for Kewaunee County which was successfully re-demonstrated during the exercise. There was one new Planning Issue identified for Kewaunee County during the exercise.

There were two ARCAs and four Planning Issues from previous exercises for the State of Wisconsin. The two ARCAs and two of the Planning Issues from previous exercises were successfully resolved by the State of Wisconsin while the two remaining Planning Issues were not resolved. There was one Planning Issue from previous exercises identified for Manitowoc County, which remains unresolved. There were no ARCAs or Planning Issues from previous exercises for Kewaunee.

New Deficiency 49-12-5a1-D-05 was identified for Manitowoc County under Criterion 5. A. 1 - Activities associated with primary alerting and notification of the public are completed in a timely manner – whereby the Health & Safety of the general public was potentially compromised during the PBNP Exercise. The Manitowoc County Public Information Officer did not provide the EAS Radio Station (WOMT) the time that Sirens were to be activated; consequently the EAS Message provided to WOMT was not broadcast. On June 28, 2012, this Deficiency was successfully re-demonstrated.

New ARCA 49-12-6a1-A-01 was identified for the State of Wisconsin under Criterion 6. A. 1 - The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the monitoring procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required. This ARCA was successfully re-demonstrated.

New ARCA 49-12-6a1-A-08 was identified for the State of Wisconsin under Criterion 6. A. 1 -

The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the use of a pressure washer to decontaminate a vehicle has a high potential for cross contamination of the vehicle, emergency workers and the instrumentation being used to re-monitor the vehicle. This ARCA remains open.

New Planning Issue 49-12-6a1-P-02 was identified for the State of Wisconsin under Criterion 6. A. 1 - The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees – whereby the monitoring procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required. This Planning Issue remains open.

New ARCA 49-12-3a1-A-07 was identified for Manitowoc County under Criterion 3. A. 1 - The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures – whereby the dosimetry briefing incorrectly instructed emergency workers to wear their DRDs in an inside pocket. This ARCA was successfully re-demonstrated.

New ARCA 49-12-5a1-A-06 was identified for Manitowoc County under Criterion 5. A. 1 - Activities associated with primary alerting and notification of the public are completed in a timely manner – whereby during the supplemental Route Alerting for Lake Michigan by fixed-wing aircraft the emergency message broadcast over the loudspeaker could not be heard over the propeller noise, despite making three flyovers. This ARCA remains open.

New ARCA 49-12-3d1-A-04 was identified for Kewaunee County under Criterion 3. D. 1 - Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel – whereby the Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of the correct location of the Kewaunee County Reception Center. This ARCA was successfully re-demonstrated.

New Planning Issue 49-12-3a1-P-03 was identified for Kewaunee County under Criterion 3. A. 1. - The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures – whereby the Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of

the correct administrative reporting limit on dosimetry. This Planning Issue remains open.

Prior ARCA 49-10-1e1-A-01 was resolved by the State of Wisconsin.

Prior ARCA 49-10-5b1-A-02 was resolved by the State of Wisconsin.

Prior Planning Issue 33-11-1e1-P-01 was resolved by the State of Wisconsin.

Prior Planning Issue 33-11-4a1-P-04 was resolved by the State of Wisconsin.

Prior Planning Issue 33-11-6a1-P-02 remains unresolved for the State of Wisconsin.

Prior Planning Issue 33-11-1e1-P-05 remains unresolved for the State of Wisconsin.

Prior Planning Issue 33-11-3c2-P-03 remains unresolved for Manitowoc County.

APPENDIX A: IMPROVEMENT PLAN

Issue Number: 49-12-3a1-P-03

Criterion: 3a1

ISSUE: The Emergency Worker at the Kewaunee County Traffic and Access Control Point was not aware of the correct administrative reporting limit on dosimetry. The Emergency Worker stated the limit as whenever the needle moves on either dosimeter. However, a planning recommendation is to make the following four different plans and procedures consistent regarding an initial DRD reporting limit in order to avoid confusion by EWs. 1) The procedure used by the Kewaunee County Radiological Officer ("Emergency Worker Briefing Checklist") under "Exposure Limits" states: "A change in reading of 20 mR or more on your 0-200 mR Dosimeter or any scale deflection on your 0-20 R Dosimeter should be immediately reported to your supervisor". 2) The procedure carried by the Kewaunee County Highway Department EW staffing the TACP was titled "Nuclear Incident Guidelines for Road Block.", paragraph 4 on page 1 states: "any reading or any movement or more on dosimeter (report in)." 3) On page 67 of Annex I, Radiological Incidents/Risk County, of the Kewaunee County Emergency Operations Plan (EOP), paragraph 5, states, "Record readings when significant changes are noted (e.g. an increase of 25 mR in 15 minutes)..." 4) Finally on page 69 of Annex I of the Kewaunee County EOP, paragraph f., states: "Each field worker should notify his/her supervisor if the low-range 0-200 mR Direct Reading Dosimeter (DRD) reaches full-scale, or any time the medium-range 0-20 R Direct-Reading Dosimeter (DRD) reaches the 2, 5, 10 or 20 R reading."

RECOMMENDATION: A training session for the Emergency Worker was conducted by the Kewaunee County Emergency Management Director at approximately 1200 hours on April 17, 2012. The Emergency Management Director trained the initial reporting limit as 20 mR. A subsequent interview of the Emergency Worker at approximately 1230 hours revealed that he was aware of the correct initial reporting limit of 20 mR. It is suggested all four references be changed to reflect consistency in their wording and indicate the same initial reporting limit.

CORRECTIVE ACTION DESCRIPTION: Language in the Kewaunee County Emergency Operations Plan (EOP) will be updated to contain proper terminology and address issues related to administrative limits on dosimetry. In addition, the plans will instruct personnel operating the Traffic and Access Control Points to notify their supervisor of any change on the Direct-Reading Dosimeters. The updates will be provided to DHS/FEMA Region V in the 2013 plan submittal.

CAPABILITY:
Responder Safety and Health

PRIMARY RESPONSIBLE AGENCY:
Kewaunee County

CAPABILITY ELEMENT:
Planning

START DATE:

AGENCY POC:
Lori Hucek 920-487-5257

ESTIMATED COMPLETION DATE:
2013-06-01

Issue Number: 33-11-3c2-P-03		Criterion: 3c2	
<p>ISSUE: The Manitowoc County Executive at the Emergency Operations Center (EOC) directed the Mishicot Superintendent to evacuate schools in the School District of Mishicot at the Site Area Emergency Emergency Classification Level (ECL). Staff at the Manitowoc EOC did not receive confirmation that the School District of Mishicot had successfully evacuated their schools.</p>			
<p>RECOMMENDATION: Include a task in the Manitowoc EOP for the appropriate representative at the Manitowoc EOC to confirm that school evacuation has been completed and incorporate into the Manitowoc County Plan.</p>			
<p>CORRECTIVE ACTION DESCRIPTION: This issue will be addressed in the 2013 plan submittal to DHS/FEMA Region V by Manitowoc County.</p>			
<p>CAPABILITY: Emergency Operations Center Management</p>		<p>PRIMARY RESPONSIBLE AGENCY: Manitowoc County</p>	
<p>CAPABILITY ELEMENT: Planning</p>		<p>START DATE:</p>	
<p>AGENCY POC: Nancy Crowley 920-683-4916</p>		<p>ESTIMATED COMPLETION DATE: 2013-06-01</p>	

Issue Number: 49-12-5a1-A-06		Criterion: 5a1	
<p>ISSUE: According to the Manitowoc County Emergency Operations Plan, people fishing on Lake Michigan will be warned by the U.S. Coast Guard and the Manitowoc County Sheriff's Department fixed-wing aircraft with Public Address System fly-over capability (weather permitting). The flyover may also be used to supplement route alerting in the two designated Exception Areas, A and B. When the plane flew overhead at its normal cruising speed, the emergency message broadcast over the loudspeaker could not be heard over the propeller noise, despite making three flyovers. Additionally, only a portion of the emergency message could be heard given the speed of the aircraft versus the length of the emergency message.</p>			
<p>RECOMMENDATION: Either the amplifier should be repaired or a new one purchased to replace it. Either way it should be tested during a flyover and the actual time the message could be heard both inside and out determined so that an effective message can be created. In addition, since the length of the message exceeds the time the flyover takes the plane to make its flyover, consider changing the message.</p>			
<p>CORRECTIVE ACTION DESCRIPTION: Manitowoc County is currently in the process of obtaining quotes to replace the 25 year old Public Address equipment. Should the cost of replacing the equipment prove excessive, supplemental notification by aircraft will be discontinued.</p>			
<p>CAPABILITY: Citizen Evacuation and Shelter-in-Place</p>		<p>PRIMARY RESPONSIBLE AGENCY: Manitowoc County</p>	
<p>CAPABILITY ELEMENT: Systems and Equipment</p>		<p>START DATE:</p>	
<p>AGENCY POC: Nancy Crowley 920-683-4916</p>		<p>ESTIMATED COMPLETION DATE: 2013-06-01</p>	

Issue Number: 33-11-6a1-P-02**Criterion: 6a1**

ISSUE: The facility has one shower stall that would be used for whole-body Evacuee/Emergency Worker Decontamination. The stall is not large enough to provide privacy for staging a clean towel and body covering (Tyvek suit), disrobing and placing contaminated clothing in a receptacle, showering, drying with the clean towel, and donning the clean garment. These activities could be viewed by the Decontamination Team Recorder, who would hand a clean towel to the evacuee/emergency worker for drying and a Tyvek suit body covering for donning, as well as by the Entrance and Exit Monitors.

When queried by the Evaluator, the Appleton Hazmat Team personnel who operated the station stated that the Team has no female personnel who are trained Monitors or Recorders.

The floor diagram on page ATT 1-21 of the Manitowoc County Emergency Operations Plan (Attachment 1 – Manitowoc County Reception Center Personnel Decontamination) does not accurately reflect the actual configuration of the personnel decontamination facility. The diagram shows a Hand Washing Sink located outside the Decontamination Station Room (combination Locker Room/Shower in the diagram) past the “Frisking Stations.” During this exercise, the sink used for hand washing by Evacuees/Emergency Workers was located inside (rather than outside) the combination Locker Room/Shower in a separate toilet/wash room. The combination locker/shower room portion of the diagram does not accurately reflect that actual configuration of the room(s).

RECOMMENDATION: In order to avoid delays and other issues when processing female contaminated individuals, the Decontamination Station should be staffed by fully trained female workers to advise, assist and monitor female evacuees and emergency workers during processing. If feasible, a separate (temporary or permanent) shower facility for and staffed by females should be made available. If space is sufficient, a removable, free-standing partition or drape might be used to provide privacy by screening both the shower stall and niche beside the stall where a small table and waste receptacle could be positioned to stage clean items (towel/Tyvec suit) and dispose of dirty items (contaminated clothing).

The diagram on page ATT 1-21 of the County Plan should be revised to show the actual configuration of functional elements. Providing an enlarged insert or separate diagram for the Decontamination Station would aid in depicting the actual location and configuration of such functional elements as the toilet/wash room, shower, benches, equipment staging, (clean and dirty) waste receptacles, tables, chairs, and demarcation lines/step-off pads.

CORRECTIVE ACTION DESCRIPTION: A trained female emergency worker was present during the April 16, 2012 demonstration; she was a member of the Manitowoc Fire Department. The privacy issue has been addressed by the purchase of a portable screen that will provide reasonable accommodations for privacy during the removal and donning of clothing. The State of Wisconsin will assist Manitowoc County in the incorporation of these changes and an update of the floor diagram of the reception center in the 2013 plan submittal that will be provided to DHS/FEMA Region V.

CAPABILITY:
Citizen Evacuation and Shelter-in-Place

PRIMARY RESPONSIBLE AGENCY:
Manitowoc County and the State of Wisconsin

CAPABILITY ELEMENT:
Systems and Equipment

START DATE:

AGENCY POC:
Nancy Crowley 920-683-4916

ESTIMATED COMPLETION DATE:
2013-06-01

Issue Number: 49-12-6a1-P-02		Criterion: 6a1
<p>ISSUE: The current monitoring procedure used includes getting the individuals name and a four digit identifier immediately after exiting the portal monitor before stamping them with a red OK and sending them to the Registration station. This procedure took about 30-seconds per evacuee. At this rate, no more than 2900 evacuees could be monitored in the required 12-hours, or about 1000 fewer than required.</p>		
<p>RECOMMENDATION: An alternate location for registration which does not slow the actual travel through the portal monitor, such as the one devised during the drill, whereby evacuees would proceed after monitoring to a secondary station about 30-feet back, where their name and a four digit identifier would be taken before stamping them with a red OK and sending them to the Registration Station should be developed and used.</p>		
<p>CORRECTIVE ACTION DESCRIPTION: Plans will be adjusted, so that the staff meets the requirements of monitoring 20% of the population within 12 hours. Training will be provided on the plan update to ensure the staff is aware and understand the reason for the plan adjustment. These updates will be provided to DHS/FEMA Region V in the 2013 plan submittal.</p>		
<p>CAPABILITY: Citizen Evacuation and Shelter-in-Place</p>	<p>PRIMARY RESPONSIBLE AGENCY: State of Wisconsin and Manitowoc County</p>	
<p>CAPABILITY ELEMENT: Planning</p>	<p>START DATE:</p>	
<p>AGENCY POC: Teri Engelhart 608-242-3242</p>	<p>ESTIMATED COMPLETION DATE: 2013-06-01</p>	

Issue Number: 49-12-6a1-A-08		Criterion: 6a1
<p>ISSUE: The use of a pressure washer to decontaminate a vehicle has a high potential for cross contamination of the vehicle, emergency workers and the instrumentation being used to re-monitor the vehicle.</p>		
<p>Monitoring a vehicle in the same area as it is washed can give a false reading on the survey meter. The instrument will also read the contamination from the waste water that the vehicle remains in following the decontamination effort.</p>		
<p>RECOMMENDATION: Change the procedure to have the vehicle stop just after it is inside the wash bay. Decontaminate the vehicle with the low pressure water sources located on the wall of the wash bay (two standard garden hoses). Upon completing the attempt to decontaminate the vehicle, move the vehicle to the opposite end of the wash bay, or just outside the exit door, and re-monitor the vehicle in a clean area.</p>		
<p>The areas in the wash bay could be identified with barrier tape, cones, etc. to identify what is to take place in each area of the wash bay (ie. Vehicle decontamination area, vehicle re-monitoring area).</p>		
<p>CORRECTIVE ACTION DESCRIPTION: The procedures will be changed to have the vehicle stop just after it enters the wash bay. Decontamination will be conducted using a low pressure water source located on the wall of the wash bay. In addition, remedial training will be conducted in accordance with the updated procedure. The updated procedures will be demonstrated in the October 2013 Kewaunee Power Station Exercise.</p>		
<p>CAPABILITY: Citizen Evacuation and Shelter-in-Place</p>	<p>PRIMARY RESPONSIBLE AGENCY: State of Wisconsin and Kewaunee County</p>	
<p>CAPABILITY ELEMENT: Training</p>	<p>START DATE:</p>	
<p>AGENCY POC: Teri Engelhart 608-242-3242</p>	<p>ESTIMATED COMPLETION DATE: 2013-10-30</p>	

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Issue Number: 33-11-1e1-P-05		Criterion: 1e1
ISSUE: Restricted Area Field Team # 2 did not record background measurements in a clean area for either the Fluke Victoreen 451B Ion Chamber Survey Meter or the Ludlum Model 12 Ratemeter with Model 44-9 Probe. During interview, team members were unable to recall what the original or baseline background readings had been.		
RECOMMENDATION: Add a location on the Pre-Dispatch Field Team/Kit Evaluation Checklist to record background readings. This may prove helpful to the Field Teams and to persons performing assessment to calculate dose conversion factors.		
CORRECTIVE ACTION DESCRIPTION: This Planning Issue was partially addressed in the 2012 Plan submittal by the State of Wisconsin, but remains open pending further review by the Wisconsin Department of Health Services Radiation Protection Section.		
CAPABILITY: Weapons of Mass Destruction (WMD) and Hazardous Materials (HazMat) Response and Decontamination	PRIMARY RESPONSIBLE AGENCY: Wisconsin Department of Health Services Radiation Protection Section	
CAPABILITY ELEMENT: Systems and Equipment	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

APPENDIX B: EXERCISE TIMELINE

Table 1, below, presents the times at which key events and activities occurred during the PBNP REP Full Participation Plume exercise conducted on April 17, 2012.

Table 1 - Exercise Timeline
DATE: 2012-04-17, SITE: Point Beach Nuclear Plant, WI

Emergency Classification Level or Event	Time Utility Declared	WI - SEOC	WI - SRCR	MAN - EOC	MAN - JIC - PIO	KEW - EOC
Unusual Event	0750	0812	0812	0822	NA	0812
Alert	0841	0901	0901	0912	0851	0902
Site Area Emergency	1010	1027	1020	1028	1016	1022
General Emergency	1107	1121	1117	1124	1115	1118
Simulated Rad. Release Started	1010	1027	1020	1028	1016	1022
Simulated Rad. Release Terminated	1045	1103	1103	1101	1107	1056
Simulated Rad. Release Started: Second Release		1226	1226	1224	1222	1226
Facility Declared Operational		0941	1021	0920	0951	0953
Declaration of State of Emergency		1115	NA	1114	NA	1136
Exercise Terminated		1350	1352	1350	1347	1352
Early Precautionary Decision: Livestock Advisory Issued: All livestock sheltered and placed on stored feed and water in the PBNP 10 - Mile EPZ		NA	NA	1029	NA	1032
Early Precautionary Decision: Evacuation of Schools and/or Special Populations in the PBNP 10 - Mile EPZ		NA	NA	1029	NA	1034
Early Precautionary Actions: Order issued to ban hunting and fishing in State Parks in the PBNP 10 - Mile EPZ		1137	NA	1029	NA	NA
1st Protective Action Recommendation: Evacuation of Sub - Area 5		1114	1114	NA	NA	NA
1st Protective Action Decision: Evacuation of Sub - Area 5		NA	NA	1125	NA	1126
1st Siren Activation		NA	NA	1150	NA	1150
1st EAS or EBS Message		NA	NA	1152	NA	1153
2nd Protective Action Recommendation: Evacuation of Sub - Areas 5, 10SW, 10W, 10NW, 10N		1252	1252	NA	NA	NA
2nd Protective Action Decision: Evacuation of Sub - Areas 5, 10SW, 10W, 10NW, 10N		NA	NA	1257	NA	1258
2nd Siren Activation		NA	NA	1310	NA	1310
2nd EAS or EBS Message		NA	NA	1312	NA	1313
KI Administration Decision: Emergency Workers and Immobile Population		1123	1119	NA	NA	NA

APPENDIX C: EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel that evaluated the PBNP REP Full Participation Plume Exposure Pathway Exercise on April 17, 2012. The list includes the evaluation team leadership and all evaluators. The organization each evaluator represents is indicated by the following abbreviations:

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

ICF - ICF Consulting

Title	Name	Organization
Radiological Assistance Committee, Chairman	William E. King	DHS/FEMA
Exercise Director	Gary Naskrent	DHS/FEMA
Assistant Exercise Director	Stephen Tulley	DHS/FEMA
Site Specialist	Dave Ortman	DHS/FEMA
Team Leader - Wisconsin	James King	DHS/FEMA
Team Leader – Manitowoc County	Edward Golinski	DHS/FEMA
Team Leader - Kewaunee County	Carolyn Sturghill	DHS/FEMA
Regional Coordinator	John Wills	ICF

DATE: 2012-04-17, SITE: Point Beach Nuclear Plant, WI

LOCATION	EVALUATOR	AGENCY
State of Wisconsin - State Warning Center #1 - Initial Warning Point	Kerris Bates	FEMA RV
State of Wisconsin - State Warning Center #2 - Initial Warning Point	Todd Gemskie *James King	FEMA FEMA RV
State of Wisconsin - Emergency Operations Center	Kerris Bates Todd Gemskie *James King	FEMA RV FEMA FEMA RV
State of Wisconsin - State Radiological Coordination Room	Dennis Wilford	ICFI
State of Wisconsin - Forward Operations Center - Mobile Radiological Laboratory	John Wills	ICFI
State of Wisconsin - Restricted Area Field Team #1	Paul Ward	FEMA HQ
State of Wisconsin - Restricted Area Field Team #2	Michael Leal	ICF
State of Wisconsin - Joint Information Center - Media Center	John Simpson	FEMA RV
State of Wisconsin - Kewaunee County Emergency Operations Center - State Liaison	Carolyn Sturghill	FEMA RV
State of Wisconsin - Manitowoc County Emergency Operations Center - State Liaison	Edward Golinski	FEMA RV
State of Wisconsin - Highway Department - Evacuee/Emergency Worker Monitoring and Decontamination	Michael Meshenberg Samuel Nelson	ICFI ICFI
State of Wisconsin - Highway Department - Evacuee/Emergency Worker Monitoring and Decontamination of Equipment and Vehicles	Frank Cordaro	ICFI
State of Wisconsin - Luxemburg/Casco Intermediate School - Evacuee/Emergency Worker Monitoring and Decontamination	Edward Diaz David Ortman	FEMA RV FEMA RV
State of Wisconsin - Luxemburg/Casco Intermediate School - Evacuee/Emergency Worker Monitoring - Decontamination of Equipment Including Vehicles	Edward Golinski	FEMA RV
State of Wisconsin - Joint Information Center - Public Information/Hotline	John Simpson	FEMA RV
State of Wisconsin - Aurora BayCare Medical Center - Medical Services - Facility	*James King	FEMA RV
Manitowoc County - Sheriff's Dispatch Center - Initial Warning Point	Frank Cordaro	ICFI
Manitowoc County - Emergency Operations Center	Daniel Kanakares Richard Smith	FEMA RV ICF
Manitowoc County - Joint Information Center - Public Information Officer	John Simpson	FEMA RV
Manitowoc County - Sheriff's Department - Dosimetry Distribution Point	William Vocke	ICFI
Manitowoc County - Sheriff's Department - Traffic Control Point	Sonia Eischen	ICF
Manitowoc County - Sheriff's Department - Exception Area A and B	William Vocke	ICFI
Manitowoc County - Lakeshore Aviation - Route Alerting	Samuel Nelson	ICFI
Manitowoc County - Emergency Alert System - WOMT	Frank Cordaro	ICFI
Manitowoc County - Two Rivers School District - Evacuation School	Michael Meshenberg	ICFI
Manitowoc County - Highway Department - Dosimetry Distribution Point	Michael Meshenberg	ICFI
Manitowoc County - Highway Department - Evacuee/Emergency Worker Registration	Sonia Eischen Michael Meshenberg	ICF ICFI
Manitowoc County - Kiel High School - Congregate Care Center	*Edward Golinski	FEMA RV
Manitowoc County - Manitowoc County Fire Department/EMS - Medical Services - Transportation	Michael Leal	ICF
Kewaunee County - Sheriff's Dispatch Center - Initial Warning Point	Jeffrey McSpaden	US DOT

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Kewaunee County - Emergency Operations Center	Clinton Crackel Robert Duggleby David Jacobson	FEMA RV ICFI ICFI
Kewaunee County - Joint Information Center - Public Information Officer	John Simpson	FEMA RV
Kewaunee County - Annex Building - Dosimetry Distribution Point	Clinton Crackel	FEMA RV
Kewaunee County - Sheriff's Department - Traffic Control Point	Jeffrey McSpaden	US DOT
Kewaunee County - Emergency Alert System - WSRG	Carl Bebrich	FEMA
Kewaunee County - Kewaunee School District - Evacuation School	Clinton Crackel	FEMA RV
Kewaunee County - Luxemburg Ambulance Service - Medical Services - Transportation	Edward Diaz	FEMA RV
Kewaunee County - Luxemburg/Casco Intermediate School - Evacuee/Emergency Worker Registration	Edward Diaz James King	FEMA RV FEMA RV
Kewaunee County - Luxemburg/Casco Intermediate School - Congregate Care Center	James King	FEMA RV
Kewaunee County - Luxemburg/Casco Intermediate School - Dosimetry Distribution Point	Edward Diaz	FEMA RV
* Team Leader		

APPENDIX D: ACRONYMS AND ABBREVIATIONS

Acronym	Meaning
ABMC	Aurora BayCare Medical Center
ARC	American Red Cross
ARCA	Area Requiring Corrective Action
ARES	Amateur Radio Emergency Services
CAD	Computer Aided Dispatch
CCC	Congregate Care Center
CE	County Executive
CEO	Chief Elected Official
CSO	Community Service Officers
DCO	Dosimetry Control Officer
DDP	Dosimetry Distribution Point
DHS	Department of Homeland Security
DO	Duty Officer
DRD	Direct-Reading Dosimeter
EAS	Emergency Alert System
ECL	Emergency Classification Level
ED	Emergency Department
EMA	Emergency Management Agency
EMD	Emergency Management Director
EOC	Emergency Operations Center
EOP	Emergency Operations Plan
EPZ	Emergency Planning Zone
ESF	Emergency Support Function
EW	Emergency Worker
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FM	Frequency Modulation
FOC	Forward Operations Center
FRM	Field Response Manager
FTC	Field Team Coordinator
GE	General Emergency
GM	Geiger Mueller
HTL	Health Team Leader
IAP	Incident Action Plan

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IWP	Initial Warning Point
JDC	Joint Dispatch Center
JIC	Joint Information Center
JPIC	Joint Public Information Center
KPS	Kewaunee Power Station
MEOC	Manitowoc Emergency Operations Center
MFD	Manitowoc Fire Department
NARS	Nuclear Accident Reporting System
NO	Network Operations
NRC	Nuclear Regulatory Commission
OSL	Optically Stimulated Luminescence
PA	Public Address
PAD	Protective Action Decision
PAR	Protective Action Recommendation
PBNP	Point Beach Nuclear Plant
PEMF	Personnel Exposure Monitoring Form
PI	Public Information
PIO	Public Information Officer
PPE	Personal Protective Equipment
PRD	Permanent Record Dosimeter
RACES	Radio Amateur Civil Emergency Services
RAFT	Restricted Area Field Team
RC	Reception Center
RCAT	Radiation Contamination Accident Team
RCM	Reception Center Manager
RD	Regional Director
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RO	Radiological Officer
SAE	Site Area Emergency
SEOC	State Emergency Operations Center
SMS	Short Message Service
SRC	State Radiological Coordinator
UE	Unusual Event
WEM	Wisconsin Emergency Management

APPENDIX E: EXERCISE PLAN

This appendix lists the exercise criteria which were scheduled for demonstration in the Point Beach Nuclear Plant Radiological Emergency Preparedness Full Participation Plume Exposure Pathway Exercise on April 17, 2012, and the offsite extent-of-play agreement accepted by DHS/FEMA Region V on March 27, 2012. The exercise criteria, contained in the DHS/FEMA REP Program Manual, dated October 2011, represent a functional translation of the planning standards and evaluation criteria of NUREG-0654/FEMA-REP-1, Rev 1, "Criteria for the Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980. Because the exercise criteria are intended for use at all nuclear power plant sites, and because of variations among offsite plans and procedures, an extent-of-play agreement is prepared by the State and accepted by DHS/FEMA to provide evaluators with guidance on expected actual demonstration of the criteria.

Exercise Criteria

Listed on the following pages are the specific radiological emergency preparedness criteria that were scheduled for demonstration during this exercise.

STATE OF WISCONSIN EXTENT-OF-PLAY AGREEMENT

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: 3.a.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 Regional Assistance Committee, include the following: 2.a.1, 2.b.1, 2.b.2, 5.a.1 and 5.b.1.

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

1a1 - OROs use effective procedures to alert, notify, and mobilize emergency personnel and activate facilities in a timely manner. (NUREG-0654, A.1.a, e; A.3, 4; C.1, 4, 6; D.4; E.1, 2; H.3, 4)

STATE OF WISCONSIN:

Warning Center #1 (State Patrol, 911 West North Street, DeForest, WI) is a 24x7 dispatch operation. Warning Center #2 Wisconsin Emergency Management (WEM) is in operation 8:00 am – 4:00 pm, Monday through Friday. WEM answers all calls on the dedicated nuclear plant phones, as well as all State Duty Officer calls, during these hours. Warning Center #1 takes all calls during off hours.

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). The calls will then be handled in accordance with established procedures.

EOC staff will be notified of Level 1 activation via an E-Sponder Alert message broadcast. If this system fails, or those notified do not respond, a phone call will be placed to the organization's point of contact.

As per the Wisconsin Emergency Operations Plan, the EOC will be activated at the ALERT ECL. The SRC will respond in real-time (in sequence) and will report to the SRC Room 105, 2400 Wright St., Madison, once a call back has been made to the plant.

The State will provide a 24-hour staffing list, identified by positions.

The liaison(s) from the utility will be pre-positioned in the Madison Area. A representative from the Dept. of Health Services, Radiation Protection Section will be pre-positioned near the EOF in Green Bay and will report there once it has been activated.

Once the utility makes the initial notification with the Dial Select, which functions as a party telephone line, either Warning Center #1 or Warning Center #2 will respond, the DO will call the SRC. The SRC will then contact Point Beach Nuclear Plant using the "call-back" number listed on the NARS form, to verify authenticity as well as to get more information. The Dept. of Health Services will also be notified of EOC activation via the E-Sponder alerting system.

Special arrangements regarding staffing are as follows:

- 1) The Forward Operations Center/Mobile Radiological Laboratory (FOC/MRL) will be pre-positioned at the Manitowoc Co. Hwy. Dept., 350 Hwy. 310, Manitowoc. The FOC/MRL will only be evaluated during the Point Beach Nuclear Power Plant April 17, 2012 exercise on criteria 1.e.1.
- 2) Restricted Area Field Teams will be pre-positioned at the Holiday Inn Manitowoc, Wisconsin, (0900 hours hotel lobby) and be deployed from there to the FOC/MRL at the Site Area Emergency by a phone call from the SRC to the Field Response Manager.
- 3) The Emergency Police Services (EPS) Director will be pre-positioned at the State EOC.
- 4) The Wisconsin Emergency Management Regional Directors (State Liaisons) will be pre-positioned in the vicinity of the Kewaunee and Manitowoc EOCs, and will be notified to report to the County EOCs ~10 minutes after notification of the Alert classification.
- 5) State Joint Information Center (JIC) staff will be pre-positioned in the area of the JIC and will be notified by the WEM Public Information Officer to report to the JIC when the Alert is declared. They will wait ~10 minutes after notification before reporting to the JIC. The JIC is located at 3060 Voyager Drive, in Green Bay, Wisconsin.

The JIC facility is operated by Point Beach and the State will have access only after the Point Beach staff has activated that facility. PIO staff will register with Point Beach security before being allowed to enter the facility. The Lead PIO or designee will contact the State EOC Lead PIO to establish contact and provide activation time.

Staff arriving at the JIC would be briefed by State staff already present at the JIC, but the initial brief is given by the utility staff as the first state staff members arrive. If utility staff is unable to provide a briefing, state staff should contact the SEOC for an update.

- 6) The Public Inquiry Hotline is located at Green Bay.
- 7) Liaisons from Point Beach Nuclear Plant will be pre-positioned in Madison and will be notified to report to the EOC after the Alert is received.

The Alert message sent to the EOC participants will include the EOC activation level and current ECL.

MANITOWOC COUNTY:

The Initial Warning Point, Manitowoc County Dispatch, is located at 1024 S. 9th Street, Manitowoc.

The Officer-in-Charge (OIC) will determine and announce when the EOC is operational and fully staffed.

The 24-hour shift change staffing list can be seen in the EOC.

Activities will occur in and out-of-sequence at various sites around Manitowoc County, as designated in the EOP.

KEWAUNEE COUNTY:

Kewaunee County Dispatch is staffed 24 hrs/day, 7 days/week.

The Officer-in-Charge (OIC) will determine and announce when the EOC is operational and fully staffed.

The 24-hour shift change staffing list can be seen in the EOC.

Activities will occur in and out-of-sequence at various sites around Kewaunee County, as designated in the EOP.

***1c1** - Key personnel with leadership roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible. (NUREG-0654/FEMA REP-1, A.1.d; A.2.a, b; A.3; C.4, 6)*

STATE OF WISCONSIN:

The State will demonstrate coordination between the SEOC, the JIC, Kewaunee and Manitowoc County EOCs, the utility and other appropriate off-site response organizations (OROs), including field operations.

The State Radiological Coordinator (SRC) holds the responsibility for evaluating the utility's PAR, and considering results of the state's independent assessment when developing a PAR for the counties. The SRC briefs the EOC Manager regarding the PAR to be given to the counties.

State Liaison's will be pre-positioned in the area of the Manitowoc and Kewaunee County EOC's and report after being notified of their activation. The Liaison's will act as a conduit between the state and the county, passing on resource requests, entering information on E-Sponder, and assisting/supporting the county, as needed.

The State will demonstrate direction and control for reception center monitoring and decontamination activities.

The State JIC representatives will demonstrate coordination between the SEOC, Kewaunee and Manitowoc County JIC representatives, the utility JIC representatives, and other appropriate organizations.

MANITOWOC COUNTY:

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

The County will demonstrate direction and control for reception center registration activities.

KEWAUNEE COUNTY:

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

The County will demonstrate direction and control for reception center registration activities.

1d1 - *At least two communication systems are available, at least one operates properly, and communication links are established and maintained with appropriate locations. Communications capabilities are managed in support of emergency operations. (NUREG 0654/FEMA REP-1, F.1, 2)*

STATE OF WISCONSIN:

The primary communication link between Warning Center #1 (State Patrol Headquarters in De Forest), Warning Center #2 (State EOC) and Point Beach Nuclear Plant is the Dial Select Telephone System. The primary means of communication with/for other locations is by commercial and/or cellular telephone.

Backup communication methods for Warning Centers #1 and Warning Centers #2 include a variety of other communication systems (e.g., cellular phone, radio, and/or satellite telephone), which are used to communicate with the State Duty Officer, SEOC, Manitowoc and Kewaunee Counties, the utility, and other locations.

The primary method of communication used between the State and Point Beach Nuclear Plant will be the Dial Select. Other forms of communication that are available in the SEOC include commercial telephone, cellular telephone, satellite telephone, ham radios, fax, email and paper systems.

Wisconsin's Incident Management software, E-Sponder, will be used in the EOC; this includes an EOC Activation Roster, Event Logs and Briefing Forms. However, EOC staff may choose to handwrite their logs and forms. The documents produced by E-Sponder will be presented for evaluation, but the use of E-Sponder as a communication system will not be.

The Forward Operating Center/Mobile Radiological Laboratory (FOC/MRL) will communicate between the SRC room and the Field Teams. Communications may be in the form of 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. **The FOC is being observed not evaluated.**

The primary means of communication is by commercial telephone. Cellular phones, fax, paper systems, RACES and/or emails may also be used as means of communication with the County EOC and others at the JIC.

Communications between Aurora Bay Care, the Reception Center, and/or the ambulance service will be by commercial telephone, cellular telephone and/or radio.

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, EOC and other locations. 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.

State staff will only be monitoring E-Sponder in the County EOC.

Cellular telephones and/or radios may be used to communicate internally within the Reception Center and with the EOC or other locations.

Manitowoc Fire Department EMS will be the participating emergency medical service in this portion of the exercise. The primary means of communication between Manitowoc Fire EMS and other locations is via cellular telephone. Radios are a secondary means of communication. The ambulance crew will make contact with the hospital prior to and/or upon transportation. The patient will NOT be transported.

Commercial telephones, cellular telephones, and fax machines will be used to communicate with school personnel.

KEWAUNEE COUNTY:

Keweenaw County will use a variety of communication systems. Dial-Select, commercial, and cellular telephones, and fax machines will be used to communicate with the utility, the state, and other organizations and locations.

The PIOs and the JIC will use a laptop computer and e-mail for communications with the EOC. Landline phones, cell phones and fax machines will also be used. 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.

Keweenaw County uses a variety of communication systems. Cellular telephones, walkie-talkies, and/or radios will be used for Reception Center communications.

Keweenaw County will use a variety of communication systems to communication with the Congregate Care Center. These systems include commercial telephones, cellular telephones and/or radios.

Cellular telephones, commercial telephones and fax machines are used to communicate with the schools. This will be discussed, out of sequence, by interview with the Superintendent or his designee.

Cellular telephones and/or radios will be used to communicate with the staff manning the traffic and access control points.

Luxemburg EMS will be the participating emergency medical service in this portion of the exercise. The primary means of communication between Luxemburg EMS and other locations is via cellular telephone. Radios are a secondary means of communication. The ambulance crew will make contact with the hospital prior to and/or upon transportation. The patient will NOT be transported to Aurora Bay Care Medical Center in Green Bay, WI.

***1e1** - Equipment, maps, displays, dosimetry, KI, and other supplies are sufficient to support emergency operations. (NUREG-0654/FEMA REP-1, H.7, 10; I.7, 8, 9; J.10.a, b, e; J.11, 12; K.3.a; K.5.b)*

STATE OF WISCONSIN:

The state will utilize scanners, copiers, maps, plans and procedures in the SEOC during the exercise.

The State will not distribute dosimetry and/or potassium iodide resources in the SEOC.

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.

Current instrument inventory and calibration records will be provided at the FEMA pre-exercise meeting on April 16, 2012.

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.

The Forward Operating Center (FOC) is equipped with appropriate communication equipment, computers, maps, and display boards for use when directing teams in the field to identify plumes or plume boundaries. Calibrations stickers will be appropriately displayed. **The FOC is being observed not evaluated except to demonstrate ARCA 49-10-1e1-A-01.**

ARCA # 49-10-1e1-A-01 will be demonstrated by the FOC.

Two State Restricted Area Field Teams (RAFTs) will be pre-positioned at the Holiday Inn Manitowoc and will be notified and activated by the Field Response Manager to begin play at the appropriate time.

Each RAFT keeps a kit with equipment, consumable supplies and a manual in their office and if deployed, brings the kit with them.

An adequate amount of KI for emergency workers is stored in Madison at the Department of Health Services.

The Aurora Bay Care Medical Center staff will use dosimetry and survey meter equipment in accordance with their plans and procedures.

MANITOWOC COUNTY:

Manitowoc County will demonstrate their ability to support operations through the use of maps, status boards and other displays as appropriate. Audio-visual equipment, e.g. VTC, may be used during the exercise but will be unevaluated. Instrument inventory and calibration records are maintained by Manitowoc County and will be available for review at the Manitowoc County EOC during the April 17, 2012 Exercise.

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 Highway Department and at the traffic control point for the Highway Dept. workers. The traffic control point to be evaluated will be identified by the Highway Dept. representative in the EOC and the time will be coordinated with the evaluator. Some dosimetry may be pre-distributed.

The dosimetry kits will be distributed at the Reception Center and will contain dosimetry and KI. Staff will be given a briefing on the use of dosimetry and KI, as applicable.

KI for emergency workers is stockpiled in the county's EOC and expiration date information will be available in EOC. (For this exercise, KI in the dosimeter kits will be simulated using M&M's).

Bus driver(s) will be provided with dosimetry and KI.

KEWAUNEE COUNTY:

The County will demonstrate their ability to support operations through the use of maps, status boards, and other displays as appropriate.

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

Dosimetry kits will be pre-distributed and distributed out-of-sequence at the Health and Human Services building in Kewaunee. These dosimetry kits will contain faux KI since staff in this group may enter the EPZ as part of their duties.

Documentation regarding the expiration date of the KI will be available for the evaluator in the EOC during the exercise.

The schools will use their own, individual procedures and resources, as described in their Standard Operating Procedures. School personnel typically will not be entering the EPZ and will not receive dosimetry kits or KI.

The dosimetry kits will be distributed at the Reception Center and will contain dosimetry and KI. Staff will be given a briefing on the use of dosimetry and KI, as applicable.

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION MAKING

***2a1** - A decision-making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public (including the recommendation for use of KI, if ORO policy). (NUREG 0654/FEMA REP-1, A.3; C.4, 6; D.4; J.9; J.10.f, m)*

STATE OF WISCONSIN:

The SRC, via the FOC, will recommend the ingestion of KI at an appropriate time and authorize radiation exposure in excess of pre-designated administrative limits.

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. **The FOC is being observed not evaluated.**

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.

EWs, 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.

The State Radiological Coordinator, working with the County Radiological Officer, will determine the exposure limits necessary for life saving activities.

MANITOWOC COUNTY:

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

KEWAUNEE COUNTY:

Kewaunee County's Radiological Officer (RO) will receive recommendations for the ingestion of KI from the State Radiological Coordinator (SRC) and will make his/her recommendation to the OIC of the County. At this point, the OIC advises all agencies to ingest KI.

The County RO will 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.

***2b1** - Appropriate PARs are based on available information on plant condition, field monitoring data, and licensee and ORO dose projections, as well as knowledge of onsite and offsite environmental conditions. (NUREG 0654/FEMA REP-1, I.10; Supplement 3)*

STATE OF WISCONSIN:

The SRC will evaluate information provided by the licensee on plant conditions and perform independent dose assessments and projections. These assessments and projections are based on plant conditions, field-monitoring data (provided by the Restricted Area Field Teams through the FOC/MRL), 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 field teams to the Field Team Coordinator and/or Field Team Communicator. The SRC will evaluate the data and make a protection action recommendation (PAR) to the EOC Manager. 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 EOC Manager.

MANITOWOC COUNTY:

Not demonstrated by the County.

KEWAUNEE COUNTY:

Not demonstrated by the County.

2b2 - *A decision-making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public (including the recommendation for use of KI, if ORO policy). (NUREG 0654/FEMA REP-1, A.3; C.4, 6; D.4; J.9; J.10.f, m)*

STATE OF WISCONSIN:

As a "home rule" state, the Governor or his/her designee makes protective action recommendations (PARs), but implementation decisions ultimately reside with the chief elected official (or his/her designee) in the county, who may modify PARs based on local needs or considerations. The EOC Manager, or an Operations Section 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. Protective action decisions (PADs) are coordinated between the Kewaunee and Manitowoc County EOCs and with the SEOC to ensure that the counties are able to effectively implement the PAD at the designated time.

The State Emergency Operations Plan (EOP) directs that KI is not made available to the general public in Kewaunee and Manitowoc Counties.

MANITOWOC COUNTY:

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.

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 State EOC 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.

All institutionalized individuals are evacuated at the Site Area and will not be given KI.

KI is not distributed to the general public in Kewaunee County.

***2c1** - PADs are made, as appropriate, for groups of people with disabilities and those with access/functional needs. (NUREG 0654/FEMA REP-1, D.4; J.9, J.10.d, e)*

STATE OF WISCONSIN:

Protective Action Decisions (PADs) 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 consider implementation of this aspect of their plan.

MANITOWOC COUNTY:

The County EOC staff maintains a list of people with special transportation needs. The list is available for evaluators to review, but cannot be copied or removed from the county EOC in order to protect confidentiality.

KEWAUNEE COUNTY:

The County EOC staff maintains a list of people with special transportation needs. The list is available for evaluators to review, but cannot be copied or removed from the county EOC in order to protect confidentiality.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

3a1 - *The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained. (NUREG-0654/FEMA REP-1, J.10.e; K.3.a, b; K.4)*

STATE OF WISCONSIN:

This criterion will be demonstrated at the Forward Operations Center/Mobile Radiological Laboratory (FOC/MRL) and by Restricted Area State Field Teams. The briefing will be held at the Manitowoc Co. Hwy. Dept. **The FOC is being observed not evaluated.**

The ingestion of KI by Field Team members will be simulated.

County's designated staff members will brief the reception center emergency workers on KI and exposure monitoring equipment and methodology. The State's Health Team Lead is considered an emergency worker but is also available to assist/advise, as needed.

Emergency workers will demonstrate the proper use of dosimetry to monitor and control their exposure to radiation. Emergency workers will follow procedures in their dosimetry kit regarding radiological monitoring equipment use and exposure limits and will monitor and record dosimeter readings on the form provided. Ingestion of KI will be simulated, as appropriate.

The Aurora Bay Care staff will demonstrate the use of dosimetry as a part of the MS-1 facility involving a potentially contaminated evacuee.

MANITOWOC COUNTY:

The State Radiological Coordinator, working with the County Radiological Officer will authorize any exposure limits necessary for life saving activities.

The dosimetry kits will be distributed at the Manitowoc County Sheriff's Department, 1025 South 9th Street, (Lower Level - Patrol Squad Room) at ~0800 hours. These dosimetry kits will contain faux KI. Staff will be given a briefing on the use of dosimetry and KI, if applicable.

Emergency workers will demonstrate the proper use of DRDs and PRDs 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.

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 Coast Guard will not be participating in the field for this exercise.

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. The demonstration will include kit distribution, a briefing on KI consumption, and instruction on KI record keeping and dosimeter readings.

Bus drivers will demonstrate the proper use of faux KI, DRDs and PRDs to monitor and control their exposure to radiation. Bus drivers 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.

Ambulance crews performing the MS-1 transportation will be given a briefing at the Manitowoc County Reception Center from the Reception Coordinator, or his/her designee, and be provided dosimetry and KI.

Ambulance crews will demonstrate the proper use of DRDs and PRDs to monitor and control their exposure to radiation. Ambulance crews will follow procedures in their respective plans regarding radiological equipment use and exposure limits and will monitor and record dosimeter readings.

KEWAUNEE COUNTY:

The State Radiological Coordinator, working with the County Radiological Officer, will determine the exposure limits necessary for life saving activities.

Emergency workers will receive dosimetry kits containing faux 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 Health and Human Services building at 810 Lincoln Street, Kewaunee before assuming/completing shift duties.

Each county emergency worker dosimetry kit distributed from the Health and Human Services Building 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 simulate the ingestion of KI.

Emergency workers will demonstrate the proper use of dosimeters 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.

The Nurse will give a briefing to a Law Enforcement officer, public works personnel assigned to the TACP, and a bus driver. The time of the briefing will be at 0900 hours (out of sequence).

Reception Center staff will be given a briefing from the County Health Official or his/her designated representative and provided dosimetry.

Emergency workers will use dosimetry kits containing KI, instructions, and a form for recording KI ingestion. These kits will be issued by the Reception Center health official or his/her designated representative. Each EW will return their kit to the health official at completion of their shift duties.

If a recommendation is made by the State Radiological Coordinator for Reception Center staff to ingest KI, ingestion would be simulated with faux KI. The demonstration will include kit distribution, a briefing on KI consumption, and instruction on KI record keeping and dosimeter readings. Typically, the Kewaunee County EOC instructs emergency workers, through their supervisor, when they should take the KI. For the Reception Center drill purposes, taking of the faux KI in the dosimetry kits will be done through interview and simulation of taking the faux KI.

The schools will use their own, individual procedures and resources, as described in their Standard Operating Procedures. School personnel typically will not be entering the EPZ and will not receive dosimetry kits or KI.

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 Coast Guard will not be participating in the field for this exercise.

***3b1** - KI and appropriate instructions are available if a decision to recommend use of KI is made. Appropriate record-keeping of the administration of KI for institutionalized individuals and the general public is maintained. (NUREG-0654/FEMA-REP-1, J.10.e, f)*

STATE OF WISCONSIN:

County responsibility

MANITOWOC COUNTY:

The county nurse will be available for interview to discuss the procedure for administering KI to Hamilton Care Center immobile population.

KI is not given to the public.

KEWAUNEE COUNTY:

Kewaunee County does not have any institutionalized facilities within the 10 miles EPZ.

KI is not given to the public.

***3c1** - Protective action decisions are implemented for persons with disabilities and access/functional needs other than schools within areas subject to protective actions. (NUREG-0654/FEMA-REP-1, J.10.c, d, e, g)*

STATE OF WISCONSIN:

County responsibility

MANITOWOC COUNTY:

There are no prison/jails or hospitals within the Manitowoc County portion of the Point Beach EPZ.

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.

Manitowoc County will call three of their four contacts.

KEWAUNEE COUNTY:

The Human Services 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.

Kewaunee County will call four of their 12 contacts (i.e., East Shore Industries, Para Tran, Algoma Rescue and American Red Cross).

***3c2** - OROs/School officials implement protective actions for schools. (NUREG-0654/FEMA-REP-1, J.10.c, d, e, g)*

STATE OF WISCONSIN:

County responsibility

MANITOWOC COUNTY:

Manitowoc County will simulate the evacuation of a school. Manitowoc County will demonstrate this by interview with the school superintendent, at least one principal, the bus company manager, a bus driver, and a representative from the relocation school or facility at the Two Rivers School District Office interview at 1000 hours.

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.

The Superintendent or Principal will be available for a phone interview on April 17th at 1330 hours.

***3d1** - Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel. (NUREG-0654/FEMA-REP-1, A.3; C.1,4; J.10.g, j)*

STATE OF WISCONSIN:

County responsibility

MANITOWOC COUNTY:

Manitowoc County will demonstrate this criterion in-sequence. A road block will be determined by Law Enforcement and the Highway Department on the day of the exercise. The road block will be demonstrated in sequence.

The traffic control access interview will be conducted at the control point. The evaluator should report to the EOC and work with the County Highway rep to ascertain the time and location of the demonstration.

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.

KEWAUNEE COUNTY:

Kewaunee County will demonstrate this criterion out-of-sequence. The TACP interview will be conducted at the control point at 1000 hours at the Intersection of Cty Hwy C and State Hwy 42, Kewaunee Co. The TACP Evaluator should contact the County Emergency Manager at the EOC to coordinate this.

The Kewaunee County Sheriff's Department 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.

***3d2** - Impediments to evacuation are identified and resolved. (NUREG-0654/FEMA- REP-1, J.10.k)*

STATE OF WISCONSIN:

County responsibility

MANITOWOC COUNTY:

Manitowoc County will demonstrate in their County EOC the capability to identify and take appropriate actions concerning impediments to evacuation.

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

Actual calls to resources will be made to one contact; all others will be simulated based on the scenario.

KEWAUNEE COUNTY:

Kewaunee County will demonstrate in their County EOC the capability to identify and take appropriate actions concerning impediments to evacuation.

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

Actual calls to resources will be made to at least one contact; all others may be simulated based on the scenario.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

***4a2** – Field teams (2 or more) are managed to obtain sufficient information to help characterize the release and to control radiation exposure. (NUREG-0654-FEMA-REP-1, C.1; H.12; I.7, 8, 11; J.10.a)*

STATE OF WISCONSIN:

State Field Teams are directed by the SRC, through the Field Team Coordinator (FTC) in the FOC. The Field Team Coordinator will provide monitoring/sampling direction and exposure control information directly to the teams. The FOC will provide Controller-injected field measurements reported by the State Field Teams to the SRC.

The FOC/MRL will NOT be evaluated during this exercise, but will be playing their normal role in a non-evaluated capacity.

MANITOWOC COUNTY:

STATE RESPONSIBILITY

KEWAUNEE COUNTY:

STATE RESPONSIBILITY

4a3 - Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams will move to an appropriate low-background location to determine whether any significant (as specified in the plan and/or procedures) amount of radioactivity has been collected on the sampling media. (NUREG 0654/FEMA REP-1, C.1; I.8, 9; H.12; J.10.a)

STATE OF WISCONSIN:

Field Team members will take measurements and collect various sample media according to their plans and procedures. They will demonstrate transport of samples and follow chain-of-custody procedures according to their plans and procedures.

MANITOWOC COUNTY:

STATE RESPONSIBILITY

KEWAUNEE COUNTY:

STATE RESPONSIBILITY

4c1 - The laboratory is capable of performing required radiological analyses to support PADs. (NUREG-0654/FEMA REP-1, C.1, 3; J.11)

STATE OF WISCONSIN:

This will NOT be demonstrated for this exercise.

MANITOWOC COUNTY:

STATE RESPONSIBILITY

KEWAUNEE COUNTY:

STATE RESPONSIBILITY

EVALUATION AREA 5 – EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

5a1 - *Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance. (NUREG 0654/FEMA REP-1, E.5, 6, 7)*

STATE OF WISCONSIN:

State operations staff will contact the affected counties. The Protective Action Recommendation (PAR) will be confirmed and agreed upon by the affected counties, also that no extenuating conditions would prevent the PAR from being implemented exist. Once concurrence on the PAR occurs with the affected counties, the PAR becomes a Protective Action Decision (PAD). Discussion of the appropriate EAS message and Special News Bulletin (SNB) will occur, once a consensus is reached about the messages, Manitowoc and Kewaunee Counties along with the state will agree on a time to sound the sirens.

MANITOWOC COUNTY:

Manitowoc County will growl its sirens.

The county will transmit a pre-scripted EAS message and Special News Broadcast to WOMT Radio.

Following the sounding of the sirens, Manitowoc County will transmit a pre-scripted EAS message and Special News Broadcast to WOMT Radio. A verbal message will be delivered for the first EAS message. The first PAD is broadcast via voice from the dispatch center by the County Emergency Manager or her authorized representative when the sirens are sounded. This notification is followed up by fax of what was actually said.

The Radio Station will simulate public notification by demonstration (not actually put out over air) and interview. This will be done in sequence.

Supplemental Route Alerting will be demonstrated by aircraft at 1030 hours, April 17, 2012 weather permitting. If the aircraft is unable to fly, then the demonstration will be done by interview.

KEWAUNEE COUNTY:

The county will transmit a pre-scripted message on WSRG radio located at 1009 Egg Harbor Rd, Sturgeon Bay, Wisconsin. 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. WSRG-Radio Station will have staff available for interview during the exercise.

Siren testing data is submitted to FEMA annually with the Annual Letter of Certification packet.

Kewaunee County will growl its sirens in accordance with procedures.

***5a3** - Backup alert and notification of the public is completed within a reasonable time following the detection by the ORO of a failure of the primary alert and notification system. (NUREG-0654/FEMA-REP-1, E.6, Appendix 3.B.2.c)*

STATE OF WISCONSIN:

County responsibility

MANITOWOC COUNTY:

This will NOT be demonstrated for this exercise.

KEWAUNEE COUNTY:

Back-up route alerting will be conducted out of sequence on April 17, 2012. This will be demonstrated at ~1400 hours. The Kewaunee Emergency Manager will coordinate with the FEMA team leader to have a FEMA observer present during a simulated siren failure and implementation of back-up route alerting.

This criterion is not being evaluated during this exercise.

***5a4** - Activities associated with FEMA-approved exception areas (where applicable) are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. (NUREG-0654/FEMA-REP- 1, E.6; Appendix 3.B.2.c)*

STATE OF WISCONSIN:

County responsibility

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 in Exception Area A.

KEWAUNEE COUNTY:

There are no exception areas within Point Beach Nuclear Plant 10-mile EPZ.

***5b1** - OROs provide accurate emergency information and instructions to the public and news media in a timely manner. (NUREG 0654/FEMA REP-1, E.5, 7; G.3.a, G.4.c)*

STATE OF WISCONSIN:

The state PIOs assigned to the JIC will work closely with the county and utility PIOs to make sure media releases are accurate and coordinated.

All media briefings will be done at the JIC in Green Bay.

The state will have a Public Information Officer (PIO) present at the JIC who will work with the counties and utility PIOs to ensure that their interests and concerns are represented in the media briefings.

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The Lead Spokesperson will work with the State PIOs, Manitowoc and Kewaunee County PIOs, the utility PIOs and other organizations present at the JIC to ensure that the interests and concerns of all stakeholders are represented in the media briefings. Although media releases may be written in the State and County EOCs, all media releases will be issued from the JIC in Green Bay. All media briefings are held in the Media Briefing Center at the JIC in Green Bay. The State PIOs assigned to the JIC will work closely with the State PIOs at the State EOC to make sure media releases are accurate and coordinated.

A media line will be established in the JIC to answer general information questions for the media, such as JIC location, briefing schedule, etc.

State JIC staff will simulate monitoring the TV broadcasts to ensure accuracy of broadcasts.

MANITOWOC COUNTY:

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.

All media briefings will be done at the JIC in Green Bay.

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.

KEWAUNEE COUNTY:

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.

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.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

6a1 - *The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees. (NUREG-0654/FEMA REP-1, A.3; C.4; J.10.h; J.12)*

STATE OF WISCONSIN:

The Kewaunee County reception center demonstration will be performed out of sequence at the new Luxemburg Casco Intermediate School Reception Center on April 9, 2012 starting at 1830 hours.

Radiological monitoring and decontamination of evacuees at the reception center will be demonstrated in accordance with the applicable County reception center procedures. State staff is available to assist/support, as needed.

Two evacuee vehicles will be monitored, one of which will require decontamination.

The Manitowoc County reception center demonstration will be performed out of sequence at the Manitowoc County Highway Department Reception Center on April 16, 2012 starting at 1730 hours.

Radiological monitoring and decontamination of evacuees at the reception center will be demonstrated in accordance with the applicable County reception center procedures. State staff is available to assist/support, as needed.

Two evacuee vehicles will be monitored, one of which will require decontamination.

MANITOWOC COUNTY:

Under the guidance of the State of Wisconsin, reception center staff will demonstrate this criterion by monitoring and decontaminating evacuees at the reception center.

The American Red Cross will register the evacuees and direct them to the appropriate congregate care center.

KEWAUNEE COUNTY:

Under the guidance of the State of Wisconsin, reception center staff will demonstrate this criterion by monitoring and decontaminating evacuees at the reception center.

The American Red Cross will register the evacuees and direct them to the appropriate congregate care center.

6b1 - *The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles. (NUREG 0654/FEMA REP-1, K.5.a, b)*

STATE OF WISCONSIN:

Designated Reception Center personnel will demonstrate this criterion by monitoring and decontaminating emergency workers.

A vehicle monitoring station will be set up and operated at the Reception Center, in accordance with the applicable County procedures.

State staff is available to assist/support, as needed.

Designated Reception Center personnel will demonstrate the adequacy of procedures, facilities, equipment and personnel for radiological monitoring and decontamination of EW equipment and vehicles at the Manitowoc Co. Hwy. Dept. Reception Center.

Health monitoring teams will demonstrate radiological monitoring and decontamination of emergency workers vehicles at reception centers in accordance with the applicable County reception center procedures.

A vehicle monitoring station will be set up and operated at the Manitowoc Co. Hwy. Dept. Reception Center.

MANITOWOC COUNTY:

Under the guidance of the State of Wisconsin, reception center staff will demonstrate this criterion by monitoring and decontaminating emergency workers at the reception center.

The Reception Center Staff will register and process emergency workers.

KEWAUNEE COUNTY :

Under the guidance of the State of Wisconsin, reception center staff will demonstrate this criterion by monitoring and decontaminating evacuees at the reception center.

The Reception Center Staff will register and process emergency workers.

6c1 - Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate before entering congregate care facilities. (NUREG 0654/FEMA REP-1, J.10.h, J.12)

STATE OF WISCONSIN:

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

MANITOWOC COUNTY:

The Congregate Care Center demonstration will be out of sequence, following the Reception Center Drill at the Manitowoc County Highway Dept. Manitowoc County will demonstrate this criterion by bussing volunteer evacuees from the Reception Center to the Congregate Care Center. Evaluation of the Congregate Care Center will be demonstrated by interview and minimal set-up with a representative of the American Red Cross.

KEWAUNEE COUNTY:

American Red Cross will demonstrate this activity. Congregate Care procedures will be explained by ARC staff via interview. Congregate Care Center staff does not receive dosimetry or KI.

A telephone list is maintained that lists the contacts that can open and equip the facilities.

The American Red Cross will coordinate staff to go to congregate care center, which is determined by the Human Services Director and the Director of Emergency Management, when congregate care centers have been designated, Red Cross has the responsibility for registration and mass care, including feeding.

The American Red Cross will provide functional needs assistance (food, clothing, etc.) as requested by Human Services.

The Kewaunee County shelters that have been designated for general public do not permit pets other than those used for functional needs assistance. Owners of companion animals should have an essential supply kit to take with their animal.

Kewaunee County is responsible for developing a capability to provide sheltering services for its citizens in a disaster and should be prepared to care for people evacuated from the impacted area. This is done in coordination with municipal, volunteer and private agencies.

During an emergency evacuation, pet owners may seek extended care for pets in a facility other than the pet's home. Primary pet sheltering facilities are kennels and pet shelters. Secondary shelters are boarding facilities, veterinary hospitals or other pet shelters. Pet owners should arrange for pet care and shelter before a disaster impacts them.

The Red Cross will have available an inventory list of equipment.

Congregate Care demonstration will be via demonstration and interview.

***6d1** - The facility/ORO has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals. (NUREG 0654/FEMA REP-1, F.2; H.10; K.5.a, b; L.1, 4)*

STATE OF WISCONSIN:

The MS-1 hospital drill will be held out-of-sequence at Aurora Bay Care Medical Center. The hospital will demonstrate setting up the Radiological Emergency area, providing appropriate medical care to the patient, and monitoring and decontamination of the patient.

The Aurora Bay Care staff will demonstrate the use of dosimetry as a part of the MS-1 facility involving a potentially contaminated evacuee.

MANITOWOC COUNTY:

The transportation section of the drill will be demonstrated out of sequence at the Manitowoc County Reception Center.

Ambulance crews will demonstrate the packaging and preparation for transport of a potentially contaminated medical victim. (Surveying of the patient would be performed by the hospital staff.)

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

KEWAUNEE COUNTY:

The transportation section of the drill will be demonstrated out of sequence beginning at the Luxemburg Intermediate School Reception Center.

Ambulance crews will demonstrate the packaging and preparation for transport of a potentially contaminated medical victim. (Surveying of the patient would be performed by the hospital staff.)

Ambulance personnel will call Aurora Bay Care Hospital with a report; they will NOT transport the patient to Aurora Bay Care Hospital.

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