



Monticello Nuclear Generating Plant

After Action Report/ Improvement Plan

Exercise Date - August 18, 2015

Radiological Emergency Preparedness (REP) Program



FEMA

Published August 31, 2015

Unclassified

Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

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EXECUTIVE SUMMARY

On August 18, 2015, a Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness (REP) Exercise evaluation was conducted by the U.S. Department of Homeland Security (DHS)/Federal Emergency Management Agency (FEMA) in the 10-mile Emergency Planning Zone (EPZ) around the Monticello Nuclear Generating Plant (MNGP). The purpose of the exercise was to assess the level of State and local preparedness in responding to a radiological emergency. This exercise was held in accordance with the 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 July 23, 2013. The qualifying emergency preparedness exercise was conducted on January 7, 1981.

EPZ DESCRIPTION

The MNGP was located within the city limits of Monticello, Minnesota. The plant consists of approximately 1,500 acres of land. The northwest and southwest sectors were mainly agricultural. The northeast and southeast sectors were urban and manufacturing. Part of this property is on the north bank of the Mississippi River in Sherburne County and part is on the south bank of Wright County. The northwestern suburbs of Minneapolis are about 30 miles southeast of the MNGP.

The 10-mile EPZ for the MNGP consisted of a circle with the utility at the center point. The EPZ extended 10-miles outward in all directions from the plant for the plume exposure pathway planning zone and 50 miles outward for the Ingestion Pathway Zone (IPZ). In the event of a serious accident, the plume exposure planning zone will be in the area in which intensive efforts will be made to notify and protect residents and transient populations from exposure to radiation. The population in the MNGP 10-mile EPZ is 71,713 (2012 Evacuation Time Estimate). This figure represents the permanent population in the municipalities and unincorporated areas located in the 10-mile EPZ.

There are numerous lakes in the 10-mile EPZ, which are used for recreational purposes. Parts of Lake Saint Marie Park, Sand Dunes State Park and Game Refuge are within the 10-mile EPZ. The Mississippi River flows from the northwest to southeast through the 10-mile EPZ. The three

major highways passing through the area are Interstate 94, U.S. 10, and State Highways 25 and 55. Railroad access is available from Burlington Northern and NorthStar Railway. Major waterways are the Mississippi Scenic River and Crow River and the Elk River and Saint Francis River watersheds; however these waterways are not navigable. There are no major airports in the 10-mile EPZ.

The following Sub-Areas are included within the 10-mile EPZ: 2, 5N, 5E, 5S, 5W, 10N, 10E, 10SE, 10S, 10SW, 10W and 10NW.

The 50-mile IPZ for the MNGP has an estimated population of approximately 3,591,108 as of the year 2008. Approximately 90% reside in the Minneapolis-St. Paul metropolitan area. There are 22 counties in the 50-mile EPZ. They are: Anoka, Benton, Carver, Chisago, Dakota, Hennepin, Isanti, Kanabec, Kandiyohi, McLeod, Meeker, Mille Lacs, Morrison, Pine, Ramsey, Renville, Scott, Sherburne, Sibley, Stearns, Washington and Wright.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in this exercise. In the State of Minnesota, the Minnesota Division of Homeland Security and Emergency Management and Sherburne and Wright Counties participated.

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 were evident during this exercise.

This Final Report contains the evaluation of the biennial exercise and the evaluation of the following out-of-sequence interviews and activities:

- Protective Actions for Schools for the Big Lake and Monticello School District as well as the Kaleidoscope Charter School
- Medical Services Drills for the North Memorial Ambulance Service, North Memorial Medical Center, the Fairview Northland Medical Center, the Gold Cross Ambulance Service and the CentraCare St. Cloud Hospital and
- Cottage Grove Reception Center and Congregate Care Center at Park High School.

There were no Level I findings identified for the State of Minnesota or the Counties of Sherburne and Wright.

There was one Level II finding identified and re-demonstrated for the State of Minnesota. The Level II finding, was identified under Criterion 6.d.1-Support Operations/Facilities whereby the North Memorial Ambulance Service did not demonstrate proper contamination control when in contact with a contaminated injured individual. Re-training occurred and the criteria was re-demonstrated successfully.

There were no Level II findings identified for the Counties of Sherburne and Wright.

There were no Plan Issues identified for the State of Minnesota or the Counties of Sherburne and Wright.

The Plan Issue from a previous demonstration, 39-13-3a1-P-03 for the County of Sherburne identified under Criterion 3.a.1, Implementation of Emergency Worker Exposure Control is closed. This plan issue was closed in 2014 during the revision of plans and procedures.

The Plan Issue from a previous demonstration, 39-13-3a1-P-05 for the County of Wright was identified under Criterion 3.a.1, Implementation of Emergency Worker Exposure Control is closed. This plan issue was closed in 2014 during the revision of plans and procedures.

INTRODUCTION - EXERCISE BASIS

On December 7, 1979, the President directed the FEMA to assume the lead responsibility for all offsite nuclear planning and response. The FEMA's activities are conducted pursuant to 44 Code of Federal Regulations (CFR) Parts 350 "Review and Approval of State and Local Radiological Emergency Plans and Preparedness", 351 "Radiological Emergency Planning and Preparedness" and 352 "Commercial Nuclear Power Plants: Emergency Preparedness Planning." These regulations are a key element in the REP Program that was established following the Three Mile Island Nuclear Station accident in March 1979.

The FEMA Rule 44 CFR 350 establishes the policies and procedures for the FEMA initial and continued approval of State and local governments' radiological emergency planning and

preparedness for commercial nuclear power plants. This approval is contingent, in part, on State and local governments' participation in joint exercises with licensees.

The FEMA responsibilities in radiological emergency planning for fixed nuclear facilities include the following:

- Taking the lead in offsite emergency planning and in the review and evaluation of the RERP's and procedures developed by State and local governments
- Determining whether such plans and procedures can be implemented on the basis of observation and evaluation of exercises of the plans and procedures conducted by State and local governments
- Responding to requests by the U.S. Nuclear Regulatory Commission (NRC) pursuant to the Memorandum of Understanding between the NRC and FEMA dated June 17, 1993 Federal Register, Vol. 58, No. 176, September 14, 1993) and
- Coordinating the activities of Federal agencies with responsibilities in the radiological emergency planning process:
 - U.S. Department of Agriculture
 - U.S. Department of Commerce
 - U.S. Department of Energy
 - U.S. Department of Health and Human Services
 - U.S. Department of the Interior
 - U.S. Department of Transportation
 - U.S. Environmental Protection Agency
 - U.S. Food and Drug Administration and
 - U.S. Nuclear Regulatory Commission.

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

Formal submission of the RERP's for the MNGP to the FEMA Region V by the State of Minnesota and involved local jurisdictions occurred on February 1, 1983. Formal approval of these RERPs was granted by the FEMA on May 16, 1985, under 44 CFR 350.

A Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness was conducted on August 18, 2015, and evaluated by the DHS/FEMA to assess the capabilities of State and local offsite emergency preparedness organizations in implementing

their RERPs and procedures to protect the public's health and safety during a radiological emergency involving the MNGP. The purpose of this exercise report is to present the exercise results and findings on the performance of the Offsite Response Organizations (OROs) during a simulated radiological emergency.

The findings presented in this report are based on the evaluations of the Federal evaluation team, with final determinations made by the DHS/FEMA Region V RAC Chairperson, and approved by the DHS/FEMA Headquarters.

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

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980; and
- DHS/FEMA Radiological Emergency Preparedness: Exercise Evaluation Methodology; as published in the FEMA Radiological Emergency Preparedness Manual, dated July 2015.

Section 1 of this report, entitled "Exercise Overview", presents information pertaining to the team that planned and coordinated the exercise. This section also provides a listing of all participating jurisdictions and functional entities that were evaluated.

Section 2 of this report, entitled "Exercise Design Summary", contains the purpose and design of the exercise, a description of the plume pathway EPZ and presents basic information and data relevant to the exercise scenario.

Section 3 of this report, entitled "Analysis of Capabilities," presents detailed information on the demonstration of applicable exercise criteria at each jurisdiction or functional entity evaluated in a jurisdiction-based, issues-only format. This section also contains: (1) descriptions of all Level I findings, Level II findings, and Plan Issues (if any) assessed during this exercise, recommended corrective actions, and the State and local governments' schedule of corrective actions, if applicable, for each identified exercise issue; and (2) descriptions of unresolved Level II findings and Plan Issues assessed during previous exercises and the status of the ORO efforts to resolve them.

Section 4 of this report, entitled “Conclusion” presents the DHS/FEMA summary of overall exercise conduct and results as evaluated against the requirements of 44 CFR 350.

Except where noted in this report, the State and local organizations demonstrated knowledge of and adequately implemented their emergency response plans and procedures.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Monticello Nuclear Generating Plant

Type of Exercise

Plume

Exercise Date

August 18, 2015

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 Monticello Nuclear Generating Plant exercise:

State Jurisdictions

Bureau of Criminal Apprehension
Department of Public Safety, Homeland Security and Emergency Management
Minnesota Department of Agriculture
Minnesota Department of Education
Minnesota Department of Health
Minnesota Department of Health, Public Health Laboratory
Minnesota Department of Human Services
Minnesota Department of Military Affairs
Minnesota Department of Natural Resources
Minnesota Department of Transportation
Minnesota Geospatial Information Office
Minnesota School Safety Center
Minnesota State Patrol
Minnesota Voluntary Organizations Active in Disasters
State of Minnesota Emergency Medical Services Regulatory Board
State of Minnesota Governor's Office
State of Minnesota National Guard

Risk Jurisdictions

Big Lake School District
Kaleidoscope Charter School

Monticello School District

Sherburne County Department of Health

Sherburne County Emergency Management

Sherburne County Public Works Department

Sherburne County Radiological Defense Officer

Sherburne County Sheriff's Office

Wright County Department of Health

Wright County Emergency Management

Wright County Radiological Defense Officer

Wright County Sheriff's Office

Support Jurisdictions

Amateur Radio Emergency Services

American Red Cross

City of Monticello

Salvation Army

Private Organizations

Xcel Energy

Federal Jurisdictions

Federal Emergency Management Agency

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region V Office evaluated the Monticello Nuclear Generating Plant (MNGP) Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness (REP) Exercise conducted on August 18, 2015, to assess the capabilities of local emergency preparedness organizations in implementing their Radiological Emergency Radiological Plan and procedures to protect the public's health and safety during a radiological emergency involving the MNGP. The purpose of this report is to present the results and findings on the performance of the Offsite Response Organizations (ORO) during a simulated radiological emergency.

2.2 Exercise Objectives, Capabilities and Activities

Exercise objectives and identified Capabilities/Radiological Emergency Preparedness Criteria selected to be demonstrated are discussed in Appendix E "Exercise Plan." The Exercise Planning Team selected objectives that focus on evaluating emergency response procedures, identifying areas for improvement, and fostering collaboration between the various ORO's 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 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, a simulated sequence of events that was used as the basis for invoking emergency response actions by ORO's in the Monticello Nuclear Generating Plant Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Preparedness exercise on August 18, 2015.

This exercise scenario was submitted by the State of Minnesota and Xcel Energy and accepted

by the DHS/FEMA Region V on June 30, 2015.

During the exercise, in addition to information and data provided through the MNGP onsite scenario, controllers from the State of Minnesota 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 ORO's.

The details of the scenario are included in Appendix F “Scenario Details.”

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 August 18, 2015, Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness (REP) Exercise conducted to test the offsite emergency response capabilities of State and local governments in the 10-Mile Emergency Planning Zone surrounding the Monticello Nuclear Generating Plant (MNGP).

Each jurisdiction and functional entity was evaluated based on its demonstration of exercise criteria delineated in the Federal Emergency Management Agency's REP Program Manual, dated July 2015. Detailed information on the exercise criteria and the extent-of-play agreement 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 Offsite Response Organization's (ORO) demonstrated all demonstration criteria for the Evaluation Area Criterion to the level required in the extent-of-play agreement with no Level I findings, no Level II findings, or Plan Issues assessed in the current 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 Federal Emergency Management Agency (FEMA) REP Program Manual, dated July 2015, 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 Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA)

has developed a standardized system for numbering exercise issues. This system is used to achieve consistency in numbering exercise issues among the 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 Level I findings, Level II findings, 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 (39 for the MNGP).
- 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 July 2015.
- Exercise Identification Number – A separate two or three-digit indexing number assigned to each issue identified in the exercise.

[illegible]

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Monticello Nuclear Generating Plant

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

[illegible]

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

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

3.3 Criteria Evaluation Summaries

3.3.1 Minnesota Jurisdictions

3.3.1.1 State of Minnesota - North Memorial Medical Center - North Memorial Ambulance Service - Medical Services - Transportation

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: 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 Minnesota - North Memorial Medical Center - Medical Services - Facility

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: 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 Minnesota - Cottage Grove - Park High School - Reception Center

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.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None

- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.4 State of Minnesota - Cottage Grove - Park High School - Evacuee Monitoring, Decontamination and Registration

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

- a. MET: 6.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: 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 Minnesota - Cottage Grove - Park High School - DCO Briefing

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

- a. MET: 3.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.6 State of Minnesota - Cottage Grove - Park High School - DCO Interview

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

- a. MET: 1.e.1, 3.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None P

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.7 State of Minnesota - Cottage Grove - Park High School - Congregate Care Center

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

- a. MET: 6.c.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.8 State of Minnesota - Cottage Grove - Park High School - Evacuee Vehicle Monitoring

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

- a. MET: 3.a.1, 6.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: 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 Minnesota - Cottage Grove - Park High School - Evacuee Vehicle Decontamination

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

- a. MET: 3.a.1, 6.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None PRIOR
- f. PRIOR ISSUES - RESOLVED: None

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.10 State of Minnesota - Fairview Northland Medical Center - North Memorial Ambulance Service - Medical Services - Transportation

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. LEVEL II FINDING: 6.d.1.

ISSUE NO.: 39-15-6d1-A-01

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

CONDITION: Ambulance crew members did not demonstrate proper contamination control when in contact with a contaminated injured individual in accordance with their procedures and training.

POSSIBLE CAUSE: Ambulance crew members potentially lost focus for the need to control the spread of contamination by not changing gloves although the injured individual did not have a life threatening condition. The concept of contamination control by use of inner and outer gloves and frequent changing process not completely understood.

REFERENCE: NUREG-0654- Criterion K5b, L.4

Plan Ambulance Staff Procedures-Reception Center, Section 7.4 Contamination Control

Training Homeland Security and Emergency Management Online Training for Emergency Responders Hospital and EMS Ambulance Overview Training Video.

<https://dps.mn.gov/divisions/hsem/radiological-emergency-preparedness/Pages/rep-training.aspx>

EFFECT: Observed contamination control process could have increased radiation exposure for the emergency worker and contaminated injured individual.

CORRECTIVE ACTION DEMONSTRATED: Retraining including review of Ambulance Staff Procedures-Reception Center, Section 7.4 Contamination Control procedure and the Homeland Security and Emergency Management Online Training for Emergency Responders Hospital and EMS Ambulance Overview Training Video occurred. <https://dps.mn.gov/divisions/hsem/radiological-emergency-preparedness/Pages/rep-training.aspx>

The re-demonstration was successfully completed at 0836 hours and the exercise terminated at 0915 hours.

- c. LEVEL I FINDINGS: 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 Minnesota - Fairview Northland Medical Center - Medical Services - Facility

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.12 State of Minnesota - Gold Cross Ambulance - Medical Services - Transportation

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: 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 Minnesota - CentaCare St. Cloud Hospital - Medical Services - Facility

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: 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 Sherburne County - Big Lake School District - Evacuation School

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

- a. MET: 1.d.1, 1.e.1, 3.b.1, 3.c.2.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.2 Sherburne County - Initial Warning Point

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

- a. MET: 1.a.1, 1.d.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.3 Sherburne County - Emergency Operations Center

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.2, 3.d.1, 3.d.2, 5.a.1,
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.4 Sherburne County - State Emergency Operations Center/Joint Information Center - Public Information Officer

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

- a. MET: 5.b.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.5 Sherburne County - Emergency Operations Center - Traffic and Access Control - DCO Briefing

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

- a. MET: 1.e.1, 3.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.6 Sherburne County - Emergency Operations Center - Traffic and Access Control Point - Interview

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.7 Sherburne County - Emergency Operations Center - Emergency Worker Dose Limits

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

- a. MET: 2.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.8 Wright County - Incident Command Post

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

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.b.2, 3.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.9 Wright County - Staging Area

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, 3.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.10 Wright County - Kaleidoscope Charter School - Evacuation School

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

- a. MET: 1.d.1, 1.e.1, 3.b.1, 3.c.2.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.11 Wright County - Initial Warning Point

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

- a. MET: 1.a.1, 1.d.1, 5.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.12 Wright County - Emergency Operations Center

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.2, 3.d.1, 3.d.2, 5.a.1,
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.13 Wright County - State Emergency Operations Center/Joint Information Center - Public Information Officer

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

- a. MET: 5.b.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.14 Wright County - Emergency Operations Center - Traffic and Access Control - DCO Briefing

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

- a. MET: 1.e.1, 3.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.15 Wright County - Emergency Operations Center - Traffic and Access Control Point - Interview

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. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.16 Wright County - Monticello School District - Evacuation School

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

- a. MET: 1.d.1, 1.e.1, 3.b.1, 3.c.2.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.17 Wright County - Emergency Operations Center - Emergency Worker Dose Limits

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

- a. MET: 2.a.1.
- b. LEVEL I FINDINGS: None
- c. LEVEL II FINDINGS: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

SECTION 4: CONCLUSION

There were no Level I findings identified for the State of Minnesota or the Counties of Sherburne and Wright.

There was one Level II finding identified and re-demonstrated for the State of Minnesota. The Level II finding, was identified under Criterion 6.d.1-Support Operations/Facilities whereby the North Memorial Ambulance Service did not demonstrate proper contamination control when in contact with a contaminated injured individual. Re-training occurred and the criteria was re-demonstrated successfully.

There were no Level II findings identified for the Counties of Sherburne and Wright.

There were no Plan Issues identified for the State of Minnesota or the Counties of Sherburne and Wright.

The Plan Issue from a previous demonstration, 39-13-3a1-P-03 for the County of Sherburne identified under Criterion 3.a.1, Implementation of Emergency Worker Exposure Control is closed. This plan issue was closed in 2014 during the revision of plans and procedures.

The Plan Issue from a previous demonstration, 39-13-3a1-P-05 for the County of Wright was identified under Criterion 3.a.1, Implementation of Emergency Worker Exposure Control is closed. This plan issue was closed in 2014 during the revision of plans and procedures.

Based on the results of the August 18, 2015, the MNGP Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness Exercise, the offsite radiological emergency response plans and preparedness for the State of Minnesota and affected local jurisdictions, site-specific to the MNGP 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 Minnesota site-specific to the MNGP, granted on January 4, 1981, remain in effect.

APPENDIX A: BEST PRACTICES

1. Fairview Northland Medical Center

Summary: The Radiation Safety Officer (RSO) positioned himself outside of the Radiation Emergency Area (REA) but within view of all operations taking place within. The RSO supervised all radiological protection functions including watching activities of the REA staff and identifying activities where the staff may have come in contact with contamination. The Inside REA Radiological Control Technologist (RCT) was then directed to frisk potentially contaminated staff. The REA staff were very cognizant of their actions that may have caused them to come in contact with contamination and frequently requested the Inside REA RCT to check them.

Description: The utilization of an external set of eyes greatly enhanced the situational awareness of contamination control for the REA staff.

APPENDIX B: EXERCISE TIMELINE

Table 1, on the following page, presents the times at which key events and activities occurred during the Monticello Nuclear Generating Plant Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness Exercise conducted on August 18, 2015. Also included are times notifications were made to the participating jurisdictions/functional entities.

Table 1 - Exercise Timeline
DATE: 2015-08-18, SITE: Monticello Nuclear Generating Plant, MN

Emergency Classification Level or Event	Time Utility Declared	Sherburne County	Wright County-ICP	Wright County-Staging Area	Wright County
Unusual Event	N/A	N/A	N/A	N/A	N/A
Alert	N/A	N/A	N/A	N/A	N/A
Site Area Emergency	0818	0837	0852	N/A	0828
General Emergency	1022	1038	1052	1052	1038
Simulated Rad. Release Started	N/A	N/A	N/A	N/A	N/A
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0850	0849	0905	0854
Declaration of State of Emergency		0856	0920	0937	0900
Exercise Terminated		1230	1230	1245	1230
General Information Message		0911	N/A	N/A	0911
Early Precautionary Actions: Livestock Advisory		0919	0932	N/A	0931
Early Precautionary Actions: Evacuate Schools		0919	0925	N/A	0930
Early Precautionary Actions: Evacuate State Parks and Hunting Areas		0919	0925	N/A	0940
Early Precautionary Actions: State issued an Air, Rail and Water Restriction		0919	0925	N/A	0940
Protective Action Decision: Evacuate Sub-Areas 2, 5E and 5S		0925	0925	N/A	1043
Siren Activation		1055	1055	N/A	1055
EAS Message		1058	1058	N/A	1058
KI Administration Decision for Emergency Workers		1043	1045	1055	1043
KI Administration Decision for the General Population		1043	1045	N/A	1043

APPENDIX C: EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel that evaluated the MNGP Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness Exercise on August 18, 2015. 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

ICFI - ICF International Consulting

Title	Name	Organization
Regional Assistance Committee, Chairman	Sean O'Leary	DHS/FEMA
Exercise Director	Stephen Tulley	DHS/FEMA
Minnesota Site Specialist/Exercise Coordination	Edward Golinski	DHS/FEMA
Team Leader – Sherburne County	Edward Diaz	DHS/FEMA
Team Leader - Wright County	David Persaud	DHS/FEMA
Regional Coordinator	John Wills	ICFI

DATE: 2015-08-18, SITE: Monticello Nuclear Generating Plant, MN

LOCATION	EVALUATOR	AGENCY
State of Minnesota - North Memorial Medical Center - North Memorial Ambulance Service - Medical Services - Transportation	Edward Diaz	FEMA RV
State of Minnesota - North Memorial Medical Center - Medical Services - Facility	James King	FEMA RV
State of Minnesota - Cottage Grove - Park High School - Reception Center	Edward Diaz	FEMA RV
State of Minnesota - Cottage Grove - Park High School - Evacuee Monitoring, Decontamination and Registration	James King	FEMA RV
State of Minnesota - Cottage Grove - Park High School - DCO Briefing	James King	FEMA RV
State of Minnesota - Cottage Grove - Park High School - DCO Interview	Edward Diaz	FEMA RV
State of Minnesota - Cottage Grove - Park High School - Congregate Care Center	*Edward Golinski	FEMA RV
State of Minnesota - Cottage Grove - Park High School - Evacuee Vehicle Monitoring	James King	FEMA RV
State of Minnesota - Cottage Grove - Park High School - Evacuee Vehicle Decontamination	*Edward Golinski	FEMA RV
State of Minnesota - Fairview Northland Medical Center - North Memorial Ambulance Service - Medical Services - Transportation	Christopher Bellone	FEMA HQ
State of Minnesota - Fairview Northland Medical Center - Medical Services - Facility	John Wills	ICFI
State of Minnesota - Gold Cross Ambulance - Medical Services - Transportation	Christopher Bellone	FEMA HQ
State of Minnesota - CentaCare St. Cloud Hospital - Medical Services - Facility	John Wills	ICFI
Sherburne County - Big Lake School District - Evacuation School	Edward Golinski	FEMA RV
Sherburne County - Initial Warning Point	Paul Ward	FEMA HQ
Sherburne County - Emergency Operations Center	James King Karl Rabenhorst	FEMA RV FEMA RV
Sherburne County - State Emergency Operations Center/Joint Information Center - Public Information Officer	*Edward Golinski	FEMA RV
Sherburne County - Emergency Operations Center - Traffic and Access Control - DCO Briefing	Karl Rabenhorst	FEMA RV
Sherburne County - Emergency Operations Center - Traffic and Access Control Point - Interview	Paul Ward	FEMA HQ
Sherburne County - Emergency Operations Center - Emergency Worker Dose Limits	Paul Ward	FEMA HQ
Wright County - Incident Command Post	Don Daniel	FEMA RV
Wright County - Staging Area	Darren Bates	FEMA HQ
Wright County - Kaleidoscope Charter School - Evacuation School	Edward Golinski	FEMA RV
Wright County - Initial Warning Point	Michael Howe	FEMA HQ
Wright County - Emergency Operations Center	Janet Hlavaty-LaPosa Tina Lai-Thomas	FEMA RX FEMA RIII
Wright County - State Emergency Operations Center/Joint Information Center - Public Information Officer	Edward Golinski	FEMA RV
Wright County - Emergency Operations Center - Traffic and Access Control - DCO Briefing	Tina Lai-Thomas	FEMA RIII
Wright County - Emergency Operations Center - Traffic and Access Control Point - Interview	Michael Howe	FEMA HQ

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Wright County - Monticello School District - Evacuation School	Darren Bates	FEMA HQ
Wright County - Emergency Operations Center - Emergency Worker Dose Limits	Michael Howe	FEMA HQ
* Team Leader		

APPENDIX D: ACRONYMS AND ABBREVIATIONS

Acronym	Meaning
ACP	Access Control Points
ARC	American Red Cross
ARMER	Allied Radio Matrix Emergency Response
CGFD	Cottage Grove Fire Department
CR	County Roads
DCO	Dosimerty Control Officer
DRD	Direct Reading Dosimeter
EAS	Emergency Alert System
ECL	Emergency Classification Levels
ED	Emergency Department
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPZ	Emergency Planning Zone
ER	Emergency Room
ERP	Emergency Response Plan
ERT	Emergency Response Team
ESD	Emergency Services Director
ETC	Emergency Trauma Center
EW	Emergency Worker
FEMA	Federal Emergency Management Agency
GE	General Emergency
HAB	Hostile Action Based
HERT	Hospital Emergency Response Team
HSEM	Homeland Security Emergency Management
IC	Incident Commander
ICP	Incident Command Post
IPZ	Ingestion Pathway Zone
ISD	Independent School District
JIC	Joint Information Center
MNGP	Monticello Nuclear Generating Plant
MRD	Monticello REP Director
MSP	Minnesota State Patrol
NMMC	North Memorial Medical Center
NMT	Nuclear Medicine Technologist

Unclassified
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NRC	Nuclear Regulatory Commission
OC	Operations Chief
ORO	Offsite Response Organizations
PAC	Planning Assessment Center
PAD	Protective Action Decision
PAR	Precautionary Action Recommendations
PIO	Public Information Officer
PPE	Personal Protective Equipment
PRD	Permanent Record Dosimeter
QR	Quick Response
RAC	Regional Assistance Committee
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RN	Register Nursing
RPS	Radiological Protection Specialist
RSO	Radiation Safety Officer
SAE	Site Area Emergency
SD	School District
SEOC	State Emergency Operations Center
SOG	Standard Operating Guide
TCP	Traffic Control Points
TL	Team Leader
WCEOC	Wright County Emergency Operations Center
WCND	Wright County Nuclear Director
WCPIO	Wright County Public Information Officer

APPENDIX E: EXERCISE PLAN

This appendix lists the exercise criteria, which were scheduled for demonstration in the Monticello Nuclear Generating Plant Partial Participation Plume Exposure Pathway Hostile Action Based Radiological Emergency Preparedness Exercise on August 18, 2015, and the offsite extent-of-play agreement accepted by the Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region V on June 30, 2015. The exercise criteria, published in the DHS/FEMA Radiological Emergency Preparedness Manual, dated July 2015 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. Since the exercise criteria are intended for use at all nuclear power plant sites, and due to variations among offsite plans and procedures, an extent-of-play agreement is prepared by the State and accepted by the 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.

2015
Monticello Nuclear Generating Plant Hostile Action Base/Plume Phase
Exercise
Extent of Play Agreement
State of Minnesota/Wright County and Sherburne County

The Monticello Nuclear Generating Plant Exercise will take place the week of August 17 2015. The exercise week will involve out-of-sequence and in-sequence demonstrations. The State of Minnesota, Wright County and Sherburne County are the off-site response organizations (ORO's) for the Hostile Action Base (HAB) and Plume Phase demonstration and will have the exercise demonstration on August 18, 2015.

An out-of-sequence evaluation will be held for other off-site response organizations during the week of July 20th as well as the week of the evaluated exercise August 17th. Specific dates are for EV-2 out-of-sequence evaluations will take place during the week of July 20th to include the schools of Big Lake July 21st at 9:00 am and Kaleidoscope is scheduled for July 21st at 1:00 pm. Monticello is to be evaluated August 17th at 1:30 pm. The Cottage Grove Reception Center demonstration is July 22, 2015 at 6:00 PM. The MS-1 out-of-sequence evaluation for North Memorial Medical Center and North Memorial Ambulance Service (MS-1) will be demonstrated July 22, 2015. The week of August 17th out-of-sequence exercise demonstrations include the MS-1 exercise demonstration for Fairview Northland Medical Center and North Memorial Ambulance Service (MS-1) is August 17th, while St. Cloud Hospital and Gold Cross Ambulance (MS-1) will be August 19, 2015.

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: 3.a.1, 3.b.1, 3.d.1, 4.b.1, 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, 3.d.2, 5.a.1 and 5.b.1. It is the desire of the State of Minnesota to re-demonstrate (as needed) any areas of concern during the week of the exercise as possible.

Overview of Exercise Schedule and Sites

Monday August 17th		
Pre-Exercise Briefing Entrance Meeting	2:00 pm	Best Western Chelsea Inn & Suites 89 Chelsea Rd Monticello, MN 55362
MS-1 Fairview Northland Medical Center and North Memorial Ambulance Service	8:00 am	Fairview Northland Medical Center 911 Northland Drive Princeton, MN 55371

Monday August 17th		
EV-2 Monticello School District	1:30-3:30 pm	Monticello School District 302 Washington Street Monticello, MN 55362
Tuesday August 18th		
HAB/ Plume Phase Exercise		
State EOC : Communication Backup Demonstration	7:30 am	Town Square 445 Minnesota Street, Suite 223 St. Paul, MN 55101
Wright County EOC: Communication Backup Demonstration	7:30 am	Wright County Gov't Center 10 2nd St NW Buffalo, MN 55313
Sherburne County EOC: Communication Backup Demonstration	7:30 am	Sherburne County Gov't Center 13880 Business Center Drive Elk River, MN 55330
State EOC & PAC	-	Town Square 445 Minnesota Street, Suite 223 St. Paul MN 55101
JIC	-	Town Square 445 Minnesota Street, Suite 223 St. Paul MN 55101
JIC Media Briefing Room	-	Town Square 445 Minnesota St Suite 100 St. Paul MN 55101
Wright County EOC	-	Wright County Gov't Center 10 2nd St NW Buffalo, MN 55313
Sherburne County EOC	-	Sherburne County Gov't Center 13880 Business Center Drive Elk River, MN 55330
Wright County Dispatch Center and Jail	-	Wright County Dispatch and Jail 3800 Braddock Av NE Buffalo MN 55313
HAB Incident Command Center (pre-staged)	-	Wright County Law Enforcement Center 3800 Braddock Av NE Buffalo MN 55313
HAB Staging Area (pre-staged)	-	MNGP Training Center 2100 West River Street Monticello, MN 55362

Monday August 17th		
Wright County (EOC): Emergency Worker Exceeding Dose Limit – out of sequence	After exercise finished	Wright County Gov't Center 10 2nd St NW Buffalo, MN 55313
Sherburne County (EOC): Emergency Worker Exceeding Dose Limit – out of sequence	After exercise finished	Sherburne County Gov't Center 13880 Business Center Drive Elk River, MN 55330
Wednesday August 19th		
MS-1 CentraCare St. Cloud Hospital and Gold Cross Ambulance Service	8:00 am	CentraCare St. Cloud Hospital 1406 Sixth Avenue North St. Cloud, MN 56303
Friday August 21st		
FEMA players debriefing	9:00 am	Wright County Gov't Center 10 2nd St NW Buffalo, MN 55313
FEMA media out briefing <i>NOTE: The State of MN will provide the notification to the media for the FEMA out brief</i>	10:00 am	Wright County Gov't Center 10 2nd St NW Buffalo, MN 55313

Additional Exercise Notes

- Minnesota is NOT a Homerule State – decision-making for radiological events rests with the State not the Counties.
- The call to Target to stop KI distribution at the Alert ECL will be simulated.
- All request for radiation assistance requests and subsequent updates will be simulated.
- The Governor's Office is not directly participating in the exercise and phone calls, faxing and e-mailing of emergency executive orders to the Governor and the Secretary of State will be simulated.
- The MN Duty Officer, in notifying HSEM, may call the Director Joe Kelly for the exercise demonstration for the August 18th exercise.
- Send Word Now will be used in the notification but will not be evaluated.
- Wright and Sherburne County PIOs will be pre-positioned near the SEOC but will not engage before they are notified and will wait an appropriate length of time before beginning play.
- Public information dissemination may use social media but that aspect will not be evaluated.
- Media briefings and news conferences may be live streamed into the SEOC and County EOCs but the streaming will not be evaluated.
- Emergency Worker Handbooks with the Emergency Worker briefing will be

available as part of the briefing packet for emergency workers to obtain their briefing and may read and sign to substitute for a spoken briefing or may use the video in the MN REP Emergency Worker Handbook App.

- Incident Command Post (ICP) may at times be verbally referred to as the Incident Command Center (ICC) but are the same entity.
- Incident Command Post and the Staging area may be staffed and pre-positioned but will wait an appropriate length of time before beginning play.
- The ICP may set up Traffic Control (not TACP) but these will not be evaluated.
- The Staging area assets will be pre-positioned with an appropriate representation of responding jurisdictions to include Wright County Sheriff office personnel, local Fire, EMS, Wright County, Sherburne County and State Patrol (and FBI will be invited).
- Radiological Briefings will be demonstrated in Wright County including the ICP, Staging area and Sherburne County.
- Communication systems will be demonstrated with an interruption to backup methods. This will be demonstrated with an out-of-sequence demonstration between the SEOC and the Wright and Sherburne County EOCs August 18th at 7:30 am. This is not selected for evaluation by the state but the state is to play for demonstration support for the counties.
- Wright County and Sherburne County may be using Code Red for notifications, a recent change from previously using City Watch as there may be reference to one or the other during exercise demonstration but is not to be evaluated.
- The Hotline is not selected for evaluation and will not be demonstrated during the exercise.
- National Guard Liaisons for Wright and Sherburne County may participate; they will be prepositioned near the respective County EOC but will wait an appropriate length of time before beginning play once notified. This will not be evaluated.
- The Regional Planning Coordinator (RPC) for Wright and Sherburne County are participating for each respective county but are not evaluated.
- Schools will be simulated as in session for the August 18th exercise.
- Precautionary Measures may be implemented at the Alert or Site Area Emergency depending on the scenario and coordinated with Wright and Sherburne Counties; examples include school evacuations and river and rail restrictions.
- The SEOC will be simulating calls to the Ingestion Counties.
- MNGP on-site, due to NRC evaluation criteria, may have Staging Tactical enter the site. This is not an ORO evaluated demonstration.
- Emergency Worker Exceeding Dose Limit will be demonstrated out-of-sequence following the completion of the evaluated exercise play on Tuesday August 18th 2015 for Wright County and Sherburne County.

- Fairview Northland Medical Center and North Memorial Ambulance Service (MS-1) will exercise 8:00 am August 17, 2015.
- St. Cloud CentraCare Hospital and Gold Cross Ambulance (MS-1) will exercise August 19, 2015.
- North Memorial Medical Center and North Memorial Ambulance Service (MS-1) will exercise 8:00 am Wednesday July 22, 2015.
- Cottage Grove Reception Center scheduled demonstration of July 22, 2015 6:00 pm at the Park High School located at 8040 80th Street South, Cottage Grove, MN 55016.

PREVIOUS EXERCISE FINDINGS AND PLANNING ISSUES

State of Minnesota

There are no unresolved Level II findings for the State of Minnesota.

Wright County

There are no unresolved Level II findings for Wright County.

Sherburne County

There are no unresolved Level II findings for Sherburne County.

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

SUB-ELEMENT 1.a – Mobilization

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Minnesota State Emergency Operations Center (SEOC)

The HAB and Plume Phase Exercise will take place on August 18th. The Minnesota Duty Officer (MDO) at the BCA Communications Center will take the initial call and make notifications.

The BCA Communications Center (Duty Officer) at the Bureau of Criminal Apprehension 1430 Maryland Avenue East St. Paul, MN 55106 will take the initial call on August 18, 2014 from the Monticello Nuclear Generating Plant.

The SEOC is located at 445 Minnesota Street, Suite 223, St. Paul, MN. The State Regional Program Coordinators (RPCs) will act as liaisons to the counties and will be pre-positioned in the area of Wright and Sherburne County EOCs due to long travel time. The RPCs will wait an appropriate amount of time before interacting with other county responders.

Radiological Accident Deployment (RAD) Field Teams

This is not selected for demonstration of the State RAD Teams.

Joint Information Center (JIC)

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

The work area for the JIC is located in the SEOC. Both Wright and Sherburne County PIOs will be pre-positioned near the SEOC. They will not engage before they are notified and will wait the appropriate length of time before beginning play.

Incident Command Post and Staging Area

Personnel reporting to the Incident Command Post (ICP) and Staging Area may be pre-positioned and will wait an appropriate amount of time before engaging. The ICP is located at the Wright County Law Enforcement Center and the Staging Area is located at Monticello Nuclear Generating Plant Training Center (east on parking lot). Sufficient 24-hour staffing capability of key personnel will be presented at the exercise entrance meeting on August 17th.

Wright County

The initial call to classify the event will be received in the Sheriff's dispatch office of the Wright County Dispatch Center located at 3800 Braddock Av NE, Buffalo MN 55313.

Initial calls to activate EOC staff will then begin in the dispatch center. Wright County will fully activate their EOC. A Wright County PIO will be pre-positioned near the SEOC and wait until notified to respond to the SEOC during the HAB/ Plume phase exercise.

Personnel reporting to the Incident Command Post (ICP) and Staging Area may be pre-positioned and will become operational at an appropriate amount of time. The ICP is located at the Wright County Law Enforcement Center and the Staging Area is located at Monticello Nuclear Generating Plant Training Center (east on parking lot).

Recommendations from the State Operations Chief will be communicated and coordinated with the County Nuclear Director via telephone.

Sufficient 24-hour staffing capability of key personnel will be presented at the exercise entrance meeting on August 17th.

Sherburne County

The initial call to classify the event will be received in the Sheriff's dispatch office of the Sherburne County Law Enforcement Center. The Sherburne County Government Center and the County EOC are located at 13880 Business Center Drive, Elk River, MN.

Initial calls to activate EOC staff will begin in the dispatch office. Sherburne County will fully activate their EOC and a PIO will be pre-positioned near the SEOC and wait until notified to respond to the SEOC during the HAB/ Plume phase exercise.

Recommendations from the State Operations Chief will be communicated and coordinated with the County Operations Chief via telephone.

Personnel reporting to the Incident Command Post (ICP) and Staging Area may be pre-positioned and will become operational at an appropriate amount of time. The ICP is located at the Wright County Law Enforcement Center and the Staging Area is located at Monticello Nuclear Generating Plant Training Center (east on parking lot).

Sufficient 24-hour staffing capability of key personnel will be presented at the exercise entrance meeting on August 17th.

SUB-ELEMENT 1.b – Facilities

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

State of Minnesota, Wright County and Sherburne County

This criterion has not been selected for demonstration.

SUB-ELEMENT 1.c – Direction and Control

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Incident Command Post and Staging Area

The Incident Commander (IC) at the ICP will direct and control the response actions for the ORO response to the HAB portion of the demonstration and will maintain contact with the Wright EOC in coordination efforts of ORO response. A Command Post will be established at Wright County Law Enforcement Center for management of all on-site response activities. Unified Command will be established and used at the Command Post. The Command Post will communicate primarily with the Wright County EOC. Wright County will be the lead law enforcement agency for all ECLs. Lead tactical response operations will be managed by a Wright County ERT Team Supervisor.

The ICP will be staffed by representatives of the following: Wright County Sheriff, Monticello Fire Department, CentraCare Health Systems (EMS), Sherburne County Sheriff, MN State Patrol, Monticello NGP liaisons (Plant Security, Plant Operations and Radiation Protection), HSEM liaison and the FBI will be invited. The Staging Area will be under the direction of the Wright County ERT Team Supervisor. The Staging Area will have representation from Wright County Emergency Response Team (ERT), Sherburne County Emergency Response Unit (ERU), Monticello Fire, CentraCare Health Systems and State Patrol.

Wright County

The Wright County Nuclear Director as the county operations chief will coordinate decisions and emergency activities within the county. Activities will be coordinated with the State, Sherburne County EOC, ICP and field staff as necessary.

Sherburne County

The Sherburne County Emergency Services Director as the county operations chief will provide direction and control including coordinating emergency activities within the county. Activities will be coordinated with the State, Wright County EOC, ICP and field staff as necessary.

SUB-ELEMENT 1.d – Communications Equipment

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

The state will aid to demonstrate the primary means of communication between the counties and Monticello Nuclear Generating Plant. The state will also aid in the demonstration of one additional (secondary, tertiary or alternative) means of communication of Wright County and Sherburne County each with the state at 0730 am August 18th, 2015.

Line of Communication	Primary	Secondary	Tertiary	Alternative
SEOC to County EOC				
Sherburne	Dedicated Private Branch Exchange number (PBX)	Commercial telephone/FAX machine	Public Safety Radio VHF/800 MHz ARMER system	Satellite phone
Wright	Dedicated Private Branch Exchange number (PBX)	Commercial telephone/FAX machine	Public Safety Radio VHF/800 MHz ARMER system	Satellite telephone
SEOC to Ingestion Counties	Commercial telephone/FAX machine	Public Safety Radio VHF/800 MHz ARMER system	Satellite telephone	
SEOC to Monticello and Prairie Island Nuclear Generating Plants	Auto-Ring (dedicated) Hotline: SEOC to Technical Support Center (TSC) and EOF	Commercial telephone/FAX machine	800 MHz Xcel	
SEOC to Federal Response Organizations (FEMA, NRC, DOE, and Corps of Engineers)	Commercial telephone/FAX machine	National Warning System (NAWAS)	FNARS/ Shares	Amateur Radio
SEOC to Field Monitoring Teams	Commercial telephone/ Cell phone	800 MHz ARMER	Satellite telephone	Amateur Radio
SEOC to Fixed Medical Support Facility (primary and backup hospitals)	Commercial telephone/FAX Machine	Satellite Phone	Public Safety Radio VHF/800 MHz ARMER system	Amateur Radio

Line of Communication	Primary	Secondary	Tertiary	Alternative
SEOC to Mobile Medical Support	Commercial telephone to primary/backup hospital	Public Safety Radio VHF/800 MHz ARMER system	Amateur Radio	

Line of Communication	Primary	Secondary	Tertiary	Alternative
MDO to Risk County EOC/Dispatcher	Commercial telephone/FAX Machine	Public Safety Radio VHF/800 MHz ARMER system	Satellite Phone	
MDO to Monticello Nuclear Generating Plants	Dedicated telephone line	Commercial telephone/FAX Machine	800 MHz Xcel	Cell Phones
MDO to SEOC	Commercial telephone/FAX Machine	Public Safety Radio VHF/800 MHz ARMER system	National Warning System (NAWAS)	Satellite Phone

Incident Command Post and Staging Area

The primary communication to the Command Post will be from the Wright County EOC to the Command Post. The State Emergency Operations Center (SEOC) will work through the Wright County EOC for communications with the Command Post. Dedicated “bridge phone lines” will be utilized to enhance communications between the Utility and Command Post.

Line of Communication	Primary	Secondary	Tertiary	Alternative
SEOC to ICC/ICP for HAB <i>Note: The primary communications to the ICC/ICP is through the County EOC</i>	Public Safety Radio VHF/800 MHz ARMER system	Satellite Telephone	Commercial Cell phone	
County EOC to ICC/ICP for HAB	Public Safety Radio VHF/800 MHz ARMER system	Satellite Telephone	Commercial Cell phone	Mobile Data Terminal (MDT)
ICC/ICP to Utility Security	Utility 800 MHz Radio Direct or via ARMER Patch	Satellite Telephone	Commercial Cell phone to Landline phone	
ICC/ICP to Staging	Public Safety Radio VHF/800 MHz ARMER system			
ICC/ICP to all tactical operations	Public Safety Radio VHF/800 MHz ARMER system			

ICC/ICP to Utility Emergency Operations Facility (EOF) primary or backup	Utility 800 MHz Radio Direct or via ARMER Patch	Satellite Telephone	Commercial Cell phone to Landline phone	
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Wright County

The Wright County EOC's primary communication link is a Commercial phone line to the Monticello Nuclear Generating Plant verification is through fax or callback to the plant. A Dedicated Private Branch Exchange circuit is the primary communications link between the County EOC and the State Emergency Operations Center (SEOC).

The secondary communications method is a privately owned utility frequency radio to the Monticello Nuclear Generating Plant and a Commercial telephone/FAX line to the SEOC.

The tertiary communication method with the Monticello Nuclear Generating Plant is a public dispatch number on commercial telephone/FAX machine and a Public Safety Radio VHF/800 MHz ARMER system with the SEOC.

Wright County will demonstrate one back up means of communication between the state and the county by receiving the additional communication initiated by the state. Special populations are notified using Code Red (a change from the use of City Watch) which can be used for notification to emergency workers. This may be used but will not be evaluated.

Line of Communication	Primary	Secondary	Tertiary	Alternative
MNGP to Wright County EOC/Dispatcher	Commercial phone line specific to MNGP with verification call back to plant or verification by fax	800 MHz Xcel radio	Public dispatch number on Commercial telephone/FAX machine-verification call back to plant	

Sherburne County

The Sherburne County EOC's primary communication link is a Commercial phone line to the Monticello Nuclear Generating Plant verification is through fax or callback to the plant. A Dedicated Private Branch Exchange circuit is the primary communications link between the County EOC and the State Emergency Operations Center (SEOC).

The secondary communications method is a privately owned utility frequency radio to the Monticello Nuclear Generating Plant and a Commercial telephone/FAX line to the SEOC.

The tertiary communication method with the Monticello Nuclear Generating Plant is a public dispatch number on commercial telephone/FAX machine and a Public Safety Radio VHF/800 MHz ARMER system with the SEOC.

Sherburne County will demonstrate one back up means of communication between the state and the county by receiving the additional communication initiated by the state. Special populations are notified using Code Red (a change from the use of City Watch) which can be used for notification to emergency workers. This may be used but will not be evaluated.

Line of Communication	Primary	Secondary	Tertiary	Alternative
MNGP to Sherburne County EOC/Dispatcher	Commercial phone line specific to MNGP with verification call back to plant or verification by fax	800 MHz Xcel radio	Public dispatch number on Commercial telephone/FAX machine-verification call back to plant	

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

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

State of Minnesota

Equipment, Maps and Displays:

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Dosimetry:

This criterion is not selected for evaluation by the State, which includes the field teams, but will play in support of the counties demonstration needs.

Electronic Dosimetry will be used for HAB responders on site as available.

Emergency Worker		Dosimeter Range		Pick-up Location	
State RAD Teams (Not demonstrated this exercise)	Electronic Dosimetry			TLD	Maple Grove Fire Station #2 and Plymouth Fire Station #1
DNR Field Teams (Not demonstrated this exercise)		0-200 mR		TLD	Command van
MDA Field Teams (Not demonstrated this exercise)		0-200 mR		TLD	MDA DOC
State Patrol & MnDOT (Wright County)		0-200 mR	0-20 R	TLD	Wright County EOC
State Patrol & MnDOT (Sherburne County)		0-200 mR	0-20 R	TLD	Sherburne County EOC
Ambulance crew (Doesn't take KI) (Cottage Grove EMS Ambulance)		0-200 mR		TLD	Reception Center
On-Site HAB Responders	Electronic Dosimetry	0-200 mR	0-20 R	TLD	ICC or Staging Area
Dispatch/Jail		0-200 mR	0-20 R	TLD	Dispatch/Jail

Potassium Iodide (KI):

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Packets of KI are a part of the state field team response kits. The shelf life of Minnesota's current supply of KI is approved until July 2015. Per the State of Minnesota Emergency Operations Plan, emergency workers located outside the 10 mile EPZ such as at the reception center do not take KI, however, emergency workers placing barricades, manning traffic control points or performing route alerting within the Emergency Planning Zone (EPZ) do take KI as directed.

Monitoring Instruments:

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

All instruments will be operationally checked before use. Instruments have been calibrated in accordance with the manufacturer's recommendations and calibration documentation will be supplied at the FEMA entrance meeting.

Equipment Maintenance:

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

All routine equipment checks and maintenance is reported in the Annual Letter of Certification. Calibration of radiological detection equipment will be reviewed on August 17th by FEMA. All radiation monitoring equipment will be operationally checked prior to use.

Traffic Control Points

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Traffic control equipment is permanently located at the designated Trunk Highway Traffic Control Points (TCP) in the area surrounding the Monticello Nuclear Generating Plant. The equipment is to be used to close access into the 10 mile Emergency Planning Zone (EPZ) in conjunction with State Patrol staffing. The equipment is deployed at the request of the SEOC and coordinated with the county. The Minnesota Department of Transportation will simulate the setting up and movement of barriers.

The barricades are deployed as follows:

Truck Station	Location	# of Barricades
Maintenance Area 3B HQ/St. Cloud Sub-Area	3725 12 th Street North St. Cloud, MN 56303	12
Buffalo Truck Station/Lake Sub-Area	1137 Highway 25 SE Buffalo MN 55313	4
Monticello Truck Station/Lake Sub-Area	112 Chelsea Road Monticello, MN 55362	8
Elk River Truck Station/Elk River Sub-Area	18938 Dodge Ave NW Elk River, MN 55330	19

Incident Command Post and Staging Area

The ICP and Staging Area will demonstrate the use of equipment, maps and displays as necessary to support emergency operations per the scenario. Initial responders to the ICP may be responding without dosimetry. The County will have stockpiles of dosimetry and KI to deploy out to the Incident Command Post (ICP) and Staging Areas for the Incident Commander (IC) to push forward to the

responders and staff of the ICP. Wright County is responsible for deployment of the stockpile to the site(s). The ICP will be wearing DRD's and TLD's.

Wright County

Equipment, Maps and Displays:

Wright County will demonstrate the use of equipment, maps, and displays at the Wright County EOC as necessary to support emergency operations.

Dosimetry:

All county emergency workers in or entering the 10 mile EPZ will be issued dosimeters and TLDs as outlined in their plans.

Potassium Iodide (KI):

KI for emergency workers is stored at the County EOC and Law Enforcement Center. The shelf life of Minnesota's current supply of KI is approved until July 2015.

Equipment Maintenance:

All routine equipment checks and maintenance is reported in the Annual Letter of Certification. Calibration of radiological detection equipment will be reviewed on August 17th by FEMA. All radiation monitoring equipment will undergo a response check prior to use to verify that the equipment responds to a radioactive check source.

Sherburne County

Equipment, Maps and Displays:

Sherburne County will demonstrate the use of equipment, maps, and displays at the Sherburne County EOC as necessary to support emergency operations.

Dosimetry:

All county emergency workers in or entering the 10 mile EPZ will be issued dosimeters and TLDs as outlined in their plans.

Potassium Iodide (KI):

KI for emergency workers is stored at the Sherburne County EOC. The shelf life of Minnesota's current supply of KI has been approved until July 2015.

Equipment maintenance:

All routine equipment checks and maintenance are documented in the current PR-1 report, which will be provided at the entrance meeting. Calibration of radiological detection equipment by the field monitoring teams will be reviewed

on August 17th by FEMA. All radiation monitoring equipment will be operationally checked prior to use to verify proper functioning within a specified operational range.

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION-MAKING

SUB-ELEMENT 2.a – Emergency Worker Exposure Control

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

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

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

Wright County, Sherburne County

The Wright and Sherburne County Radiological Officers will instruct county emergency workers to take KI after the recommendation is made by the SEOC Planning and Assessment Center (PAC).

All emergency workers inside the 10-mile EPZ have a radiation dose limit of 5 rem and a turnback limit of 1 R. For HAB the radiation dose limit of 25 rem and turn back of 5 R have been set and automatic for a HAB. If a dose extension is not demonstrated through the scenario, the County Radiological Officer can discuss with the evaluator their knowledge of the dose extension procedures/guidelines.

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

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

State of Minnesota

This criterion is not selected for evaluation by the State.

Wright County, Sherburne County

The counties are not selected to demonstrate this criterion.

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

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

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

Incident Command Post and Staging Area

The ICP will coordinate with Wright EOC through the SEOC Planning and Assessment Center (PAC) the PAR for a HAB scenario and may be demonstrated depending on the scenario.

Wright County, Sherburne County

Wright and Sherburne counties participate in the protective action decision process in accordance with the state's PAR process. This includes concurrence and coordination between the SEOC and with Wright and Sherburne counties.

Note: *Minnesota is not a home-rule state.*

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

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

It is the responsibility of the counties to implement protective actions for special populations; the state of Minnesota is responsible for establishing facilities and providing resources such as reception centers and relocation centers to be made available for the special population groups.

The State of Minnesota acts as the backup for notifying school systems/districts and will demonstrate, but will not be evaluated. The capability to contact public school systems/districts during the exercise to alert and notify all public school systems/districts of emergency conditions that are expected to or may necessitate protective actions for students will be demonstrated by each county.

Wright County, Sherburne County

Staff at the Wright County and Sherburne County EOCs will demonstrate this criterion according to their guidelines. Counties are responsible for initiating and the notification for evacuation, and identifying needed transportation for special population groups. Resources that are available will be discussed with the evaluator.

The counties are the primary means of notifying school systems/districts. The City of Monticello in Wright County and Sherburne Counties will demonstrate the capability to contact public school systems/districts during the exercise to alert and notify all public school systems/districts of emergency conditions that are expected to or may necessitate protective actions for students. These actions may be simulated.

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

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

State of Minnesota

This criterion is not selected for evaluation.

Wright County

This criterion is not selected for evaluation.

Sherburne County

This criterion is not selected for evaluation.

Ingestion Counties

This criterion is not selected for evaluation.

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

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

State of Minnesota

This criterion is not selected for evaluation.

Wright County

This criterion is not selected for evaluation.

Sherburne County

This criterion is not selected for evaluation.

Ingestion Counties

This criterion is not selected for evaluation.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

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

Criterion 3.a.1: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each

mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Incident Command Post and Staging Area

ICP and Staging Area radiological briefings for the issue of dosimetry and KI will be demonstrated. The emergency workers will demonstrate their knowledge of the turn-back exposure rate and administrative limits. Workers may use any available resources (e.g. written procedures, videos and/or coworkers) in providing responses. This criterion will be demonstrated with one participant receiving the briefing and one participant who may be interviewed by the evaluator in these areas.

Wright County

All emergency workers that are issued dosimetry will demonstrate appropriate use of the dosimeter, turn back limits and record keeping in accordance with their established procedures/guidelines. Wright County will demonstrate the capability to accomplish distribution of KI to emergency workers consistent with decisions made. Emergency workers will demonstrate basic knowledge of procedures for using KI whether or not the scenario drives the implementation of KI use. One participant will receive the dosimetry and briefing to reflect the simulation of group dosimetry distribution and briefing. This may be accomplished by an interview with the evaluator.

As driven by the scenario, field personnel (i.e. Highway and Sheriff personnel), will be called in to the EOC (all will be simulated except for 1 Deputy and 1 highway worker) to pick up KI and dosimetry, or it will be taken to them at the ICC and Staging Area, to receive a briefing and their emergency assignment.

Workers at the Wright County Dispatch Center will be notified by the Wright County RADEF officer and issued dosimetry and KI at the General Emergency ECL if and only if the 10S subarea is affected during a General Emergency ECL. The actual taking of KI will be simulated

Sherburne County

All emergency workers that are issued dosimetry will demonstrate appropriate use of the dosimeter, turn back limits and record keeping in accordance with their

established procedures/guidelines. Sherburne County will demonstrate the capability to accomplish distribution of KI to emergency workers consistent with decisions made. Emergency workers will demonstrate basic knowledge of procedures for using KI whether or not the scenario drives the implementation of KI use. This may be accomplished by an interview with the evaluator.

As driven by the scenario, field personnel (i.e. Sheriff's deputies), will be called in to the EOC (all will be simulated except for 1 Deputy) to pick up KI and dosimetry, receive a briefing and their emergency assignment.

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

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Wright County

Wright County will demonstrate the capability to accomplish distribution of KI consistent with decisions made as needed. They will demonstrate the ability to develop and maintain lists of institutionalized individuals who have ingested KI, including documentation of the date(s) and time(s) they were instructed to ingest KI. For evaluation purposes, the actual ingestion of KI will not be performed. OROs must demonstrate the capability to formulate and disseminate instructions on using KI for those advised to take it.

Workers at the Wright County Dispatch Center will be notified by the Wright County RADEF officer and issued KI at the General Emergency ECL if and only if the 10S subarea is affected during a General Emergency ECL for institutionalized individuals. The actual taking of KI will be simulated. Actual emergency workers protective actions are covered in 3.a.1 for dosimetry and KI.

Sherburne County

Sherburne County will demonstrate the capability to accomplish distribution of KI consistent with decisions made. For evaluation purposes, the actual ingestion of

KI will not be performed. OROs must demonstrate the capability to formulate and disseminate instructions on using KI for those advised to take it.

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

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

State of Minnesota

This criterion is not selected for evaluation.

Wright County

This criterion is not selected for evaluation.

Sherburne County

This criterion is not selected for evaluation.

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

State of Minnesota

Evacuation

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Evacuation of schools is a precautionary measure action for all schools in the EPZ and could be initiated at a Site Area Emergency ECL. This action is a county and school district responsibility and will not be demonstrated by the state during the exercise. Information about reporting back the status of school evacuation may be observed at the SEOC. It is also the responsibility of the State to notify schools outside the EPZ that have children which live within the EPZ to not send students home. This notification will be simulated at the SEOC during the Site Area Emergency ECL. Any Precautionary Measures decision will be communicated to the appropriate personnel (simulated when necessary).

Wright County

Evacuation

Evacuation will be simulated. Notifications to the schools by the county EOC are given beginning at an Alert ECL.

EV-2

Monticello and Kaliedoscope School Districts will demonstrate this based on their plans and procedures:

Monticello

The Monticello School District EV-2 is scheduled for August 17th at 1:30 pm at their District Office located at 302 Washington Street Monticello, MN 55362. Monticello's agreement is with the Maple Grove High School District #270. Evaluation will be through an interview of the necessary school and transportation officials that should include but not limited to: the superintendent, one principal, one teacher, one nurse, one transportation provider, one bus driver and host school superintendent/or principal.

Preschools and daycares are notified by county human services agencies at the Alert ECL and are treated as the general population at the General Emergency ECL.

Kaliedoscope

The Kaliedoscope Charter School EV-2 is scheduled for July 21st at 1:00 pm at their office located at 7525 Kalland Avenue Northeast, Albertville, MN 55301. Kaliedoscope's agreement is with the St. Michael Elementary School. Evaluation will be through an interview of the necessary school and transportation officials that should include but not limited to: the superintendent, one principal, one teacher, one nurse, one transportation provider, one bus driver and host school superintendent/or principal.

Preschools and daycares are notified by county human services agencies at the Alert ECL and are treated as the general population at the General Emergency ECL.

Sherburne County

Evacuation

Evacuation will be simulated. Notifications to the schools by the county EOC are given beginning at an Alert ECL.

EV-2

Big Lake School District will demonstrate this based on their plans and procedures:

Big Lake

Big Lake EV-2 is scheduled for July 21st at 9:00 am at their office located at the 501 Minnesota Ave, Big Lake, MN 55309. Big Lake's agreement is with the Princeton School District. Evaluation will be through interview of the necessary school and transportation officials that should include but not limited to: the superintendent, one principal, one nurse, one transportation provider and a host school representative.

Preschools and daycares are notified by county Health and Human Services agencies at the Alert ECL and are treated as the general population at the General Emergency ECL.

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

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

The SEOC, per a HAB scenario, will notify by simulation air, rail (including Northstar rail) and waterway transportation should be implemented at the ALERT Emergency Classification Level (ECL), one ECL earlier than for a non-hostile action based REP ECLs. This will be demonstrated through simulated calls at the SEOC during the exercise. MNDOT and the Minnesota State Patrol from the state EOC will assist with identification of traffic and access control points necessary to implement recommended protective actions. The 2-mile Traffic and Access Control Points (TACP) should be established at the Site Area Emergency (SAE) Emergency Classification Level (ECL) and staffed by the agencies in accordance with the existing plans and as staffing becomes available. The 2-mile TACPs should be used to restrict traffic access to the area and are implemented one ECL earlier for a HAB incident than for a non-HAB event.

The State Patrol will aid in the demonstration of traffic control as coordinated through the Wright County EOC and Sherburne County EOC. State Patrol and MndOT personnel other than those in the SEOC will receive and pick up their dosimetry and briefing packets from the Wright County and Sherburne County EOCs.

Wright County

The Wright County EOC staff will select, establish, and coordinate staffing of traffic and access control points consistent with the protective action decisions for

evacuation areas. This criterion will be demonstrated by simulation and staff interview.

A deputy and/or public works employee will simulate proceeding to a conveniently located, pre-determined roadblock location. No barricade will actually be placed on the roadside. An evaluator will conduct a procedural interview outside of the EOC in the parking lot.

Sherburne County

The Sherburne County EOC staff will select, establish, and coordinate staffing of traffic and access control points consistent with the protective action decisions for evacuation areas. This criterion will be demonstrated by simulation and staff interview.

A deputy and/or public works employee will simulate proceeding to a conveniently located, pre-determined roadblock location. No barricade will actually be placed on the roadside. An evaluator will conduct a procedural interview outside of the EOC in the parking lot.

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

Wright County, Sherburne County

A controller message(s) will be used to create a simulated evacuation impediment. Each county will demonstrate appropriate corrective actions. Actual deployment of assets will be simulated, but all actual or simulated contacts made should be logged.

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

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County

This criterion was not selected for this exercise.

Sherburne County

This criterion was not selected for this exercise.

Ingestion Counties

This criterion was not selected for this exercise.

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County

This criterion was not selected for this exercise.

Sherburne County

This criterion was not selected for this exercise.

Ingestion Counties

This criterion was not selected for this exercise.

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

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County

This criterion was not selected for this exercise.

Sherburne County

This criterion was not selected for this exercise.

Ingestion Counties

This criterion was not selected for this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

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

Criterion 4.a.1: [RESERVED]

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County, Sherburne County

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

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County, Sherburne County

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

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

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County, Sherburne County

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

SUB-ELEMENT 4.c – Laboratory Operations

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

State of Minnesota

This criterion was not selected for this exercise.

Wright County, Sherburne County

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

EVALUATION AREA 5 – EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

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

Criterion 5.a.1: Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance.

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

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

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

1. The Planning and Assessment Center (PAC) receives a recommendation from the utility.
2. The PAC makes an independent assessment of the data and develops its recommendation.

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

An EAS Writer (located in the SEOC) will directly broadcast by radio transmission an EAS message using an encoder/decoder, which is automatically monitored by encoders/decoders by major relay stations. In addition, the EAS Writer has the capability to send a message directly over NOAA weather alert radios utilizing a link to the National Weather Service headquarters in Chanhassen, Minnesota. EAS messages will contain basic information regarding the event. Additional information will be disseminated through the JIC using special news broadcasts and media releases.

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

The State of Minnesota will be using various social media services (Twitter, Facebook, etc.) to notify the public, but these will not be evaluated.

Wright County

All EAS messages are developed and disseminated by the SEOC. After PAR concurrence via a conference call with the other county and the state, sirens are sounded once following each evacuation or sheltering PAR. Wright County has the lead for siren activation coordination with Sherburne County. The coordination of alert and notification implementation will be demonstrated in the Wright County Dispatch Center (siren activation will be simulated). Special

populations are notified using Code Red, which can be used for notification to emergency workers. This may be used but will not be evaluated.

Sherburne County

All EAS messages are developed and disseminated by the SEOC. After PAR concurrence via a conference call with the other county and the state, sirens are sounded once following each evacuation or sheltering PAR. The coordination of alert and notification implementation will be demonstrated in the Sherburne County EOC (siren activation will be simulated). Special populations may be notified using Code Red which can be used for notification for emergency workers. This may be used but will not be evaluated.

Criterion 5.a.2: [RESERVED]

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

State of Minnesota

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

Wright County

Wright County has 100% siren coverage; there will not be an inoperable siren inject for demonstration.

Sherburne County

Sherburne has 100% siren coverage; there will not be an inoperable siren inject for demonstration.

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

State of Minnesota

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

Wright County

This criterion is not selected for this exercise and is not demonstrating route alerting.

Sherburne County

This criterion is not selected for this exercise and is not demonstrating route alerting.

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

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

State of Minnesota

This criterion is not selected for evaluation by the State but will play in support of the counties demonstration needs.

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

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

PIOs will simulate the distribution of news releases and advisories via e-mail and will log the distribution, recording what they would have actually sent out. A list of the media organizations will be provided to the evaluator. The Lead PIO will coordinate all information released to the media. Televisions used to monitor media broadcasts are located in the PIO work areas. For the exercise the televisions may not be turned on.

The Information Hotline (public inquiry) is not evaluated; therefore, it will not be demonstrated.

NOTE: The HAB demonstration in relation to the ICP, have Public information coordinated by the Joint Information Center (JIC) in the SEOC and no media access should be available on site until conditions are stabilized and IC requests to have media brought in closer to the scene in coordination with the State Joint Information Center. Media information for the ALERT and SAE ECL should include messaging about the incident and request that people in the immediate area to stay indoors and off of the roadways for safety purposes.

Wright County

Emergency information released to the public and the news media are the responsibility of the SEOC and the JIC. The Wright County Public Information Liaison will demonstrate the coordination of county public information through the JIC. The Wright County PIO state liaison will be pre-positioned near the SEOC and will wait an appropriate amount of time before beginning play.

Wright County will not be demonstrating any local briefings.

Sherburne County

Emergency information released to the public and the news media are the responsibility of the SEOC and the JIC. The Sherburne County Public Information Liaison will demonstrate the coordination of county public information through the JIC. The Sherburne County PIO state liaison will be pre-positioned near the SEOC and will wait an appropriate amount of time before beginning play.

Sherburne County will not be demonstrating any local briefings.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

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

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

State of Minnesota

Cottage Grove Reception Center will be exercised as an out-of sequence demonstration. Evacuee monitoring will be demonstrated on July 22, 2015 6:00 pm at the Park High School located at 8040 80th Street South, Cottage Grove, MN 55016 in Washington County. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing on the new Emergency Worker Exposure cards with the QR code may be used or the app as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The reception center will use a combination of group and individual dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 mile Emergency Planning Zone (EPZ).

The Minnesota Department of Human Services (DHS) will direct and coordinate the reception center under a unified command structure. The evacuee monitoring stations use both vehicle and personnel portal monitors and will process at least 6 evacuees to demonstrate the 20% EPZ population monitoring capability in a 12-hour period. Hand held survey instruments (Ludlum Model 3s) are used by monitoring staff in the decontamination areas and will be operationally checked prior to use. Reception Center volunteer staff will conduct monitoring and serve as recorders. Volunteer mock evacuees will go through the reception center monitoring, decontamination and registration process. At least one "evacuee" will require decontamination. The decontamination process will be demonstrated by interview with reception center staff. Contamination levels, monitoring and decontamination results will be provided by controllers.

All evacuees who pass through the Reception Center will be processed through the registration station.

Vehicle Monitoring and Decontamination

At least one evacuee vehicle will be monitored and will require decontamination. The vehicle monitoring process will be demonstrated on July 22, 2015 using a combination of portal monitors and hand held survey instruments at the Park High School located at 8040 80th Street South, Cottage Grove, MN 55016 in Washington County. Decontamination processes will be demonstrated at the

Cottage Grove Public Works building located at 8635 W Point Douglas Road South Cottage Grove, MN 55016.

Controllers will provide contamination and monitoring levels along with decontamination results.

Ambulance personnel may be set up onsite to respond to potentially contaminated and injured evacuees, but this portion will not be evaluated.

Household pet decontamination and monitoring may be set up, but will not be evaluated as a part of this exercise.

Wright County and Sherburne County

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

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

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

State of Minnesota

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

Wright County and Sherburne County

This criterion was not selected during this exercise.

SUB-ELEMENT 6.c – Temporary Care of Evacuees

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

State of Minnesota

Congregate Care will be demonstrated Wednesday July 22, 2015 in conjunction with the Cottage Grove Reception Center stationed in the Park High School. The Congregate Care demonstration will be held in Washington County at the Cottage Grove Ice Arena located at 8020 80th Street South, Cottage Grove, MN

55016.

An American Red Cross shelter manager and Health Service Representative will meet the evaluator at the Cottage Grove Park High School reception center. They will proceed to the selected mass shelter location and conduct a walk-through of the facility. The evaluator will be provided with a list of supplies, equipment, personnel and logistical information for review. The shelter agreement will also be available for review.

Note: *Congregate Care Facilities are designated and operated by the Red Cross.*

Wright County and Sherburne County

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

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

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

State of Minnesota

MS-1 Transportation (Ambulance)

Fairview Northland

Fairview Northland Medical Center's North Memorial Ambulance Service will demonstrate this objective in the parking lot outside Fairview Northland Medical Center (simulating the reception center) at 8:00 am August 17th, 2015 located at 911 Northland Drive Princeton, MN 55371. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing or the Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The hospital uses group dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 mile Emergency Planning Zone (EPZ).

A person will portray an injured contaminated individual. The ambulance crew will respond and assess the patient's medical condition. The ambulance crew will wrap the patient up, remove the victim and transport them to the hospital. Communications between the Ambulance and the Hospital will be demonstrated

at this time. Ambulance contamination monitoring will be demonstrated by Fairview Northland Medical Center.

St. Cloud

St. Cloud Gold Cross Ambulance Emergency Services will demonstrate this objective in the parking lot outside St. Cloud CentraCare Hospital (simulating the reception center) at 8:00 am August 19th, 2015 located at 1406 Sixth Avenue North St. Cloud, MN 56303. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing or the Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The hospital uses group dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 mile Emergency Planning Zone (EPZ).

A person will portray an injured contaminated individual. The ambulance crew will respond and assess the patient's medical condition. The ambulance crew will wrap the patient up, remove the victim and transport them to the hospital. Communications between the Ambulance and the Hospital will be demonstrated at this time. Ambulance contamination monitoring will be demonstrated by St. Cloud CentraCare Hospital.

North Memorial

North Memorial Medical Center's North Memorial Ambulance Service will demonstrate this criterion objective in an out-of-sequence demonstration on July 22, 2015 at 8:00 am located at 3300 Oakdale Avenue North, Robbinsdale MN 55422. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing or the Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The hospital uses group dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 mile Emergency Planning Zone (EPZ).

A person will portray an injured contaminated individual. The ambulance crew will respond and assess the patient's medical condition. The ambulance crew will wrap the patient up, remove the victim and transport them to the hospital. Communications between the Ambulance and the Hospital will be demonstrated

at this time. Ambulance contamination monitoring will be demonstrated by North Memorial Medical Center.

MS- 1 (Facilities)

Fairview Northland

Fairview Northland Medical Center (911 Northland Drive Princeton, MN 55371) will demonstrate this objective at 8:00 am on August 17th, 2015. Upon notification, the hospital personnel will prepare the emergency room area for arrival of a contaminated patient, including appropriate contamination control measures.

Hand held survey instruments will be used by the hospital personnel to monitor the victim. A check source will be used to ensure that the instruments respond. Hand held instruments are calibrated annually.

A contaminated injured evacuee will be delivered by North Memorial Ambulance Service. Hospital radiation specialists will conduct radiological monitoring as necessary. Appropriate equipment and supplies will be available. The setting of priorities between medical treatment and contamination controls will be demonstrated. Samples will be collected and decontamination procedures will be demonstrated. The screening of the ambulance for contamination will be demonstrated at this time.

St. Cloud

St. Cloud CentraCare Hospital (1406 Sixth Avenue North St. Cloud, MN 56303) will demonstrate this objective at 8:00 am on August 19th, 2015. Upon notification, the hospital personnel will prepare the emergency room area for arrival of a contaminated patient, including appropriate contamination control measures.

Hand held survey instruments will be used by the hospital personnel to monitor the victim. A check source will be used to ensure that the instruments respond. Hand held instruments are calibrated annually.

A contaminated injured evacuee will be delivered by Gold Cross EMS Ambulance. Hospital radiation specialists will conduct radiological monitoring as necessary. Appropriate equipment and supplies will be available. The setting of priorities between medical treatment and contamination controls will be demonstrated. Samples will be collected and decontamination procedures will be

demonstrated. The screening of the ambulance for contamination will be demonstrated at this time.

North Memorial

North Memorial Medical Center (3300 Oakdale Avenue North, Robbinsdale, MN 55422) will demonstrate this criterion objective in an out-of-sequence demonstration on July 22, 2015 at 8:00 am. Upon notification, the hospital personnel will prepare the emergency room area for arrival of a contaminated patient, including appropriate contamination control measures.

Hand held survey instruments will be used by the hospital personnel to monitor the victim. A check source will be used to ensure that the instruments respond. Hand held instruments are calibrated annually.

A contaminated injured evacuee will be delivered by North Memorial EMS Ambulance. Hospital radiation specialists will conduct radiological monitoring as necessary. Appropriate equipment and supplies will be available. The setting of priorities between medical treatment and contamination controls will be demonstrated. Samples will be collected and decontamination procedures will be demonstrated. The screening of the ambulance for contamination will be demonstrated at this time.

Wright County, Sherburne County

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

APPENDIX F: SCENARIO DETAILS

Monticello Nuclear Generating Plant

Offsite Timeline - Rev. 1.0

AUGUST 18, 2015

SCENARIO NARRATIVE SUMMARY & TIME LINE -

Initial conditions: (MESSAGES # 1, 2, 3, & 4)

MNGP is currently in day 10 of a refuel outage. The reactor cavity is flooded with the fuel pool gates removed. A full core offload was completed yesterday afternoon. Workers are preparing the camera for in-vessel inspections.

Meteorological Conditions:

The weather forecast for today calls for a storm front moving into the area later in the day

- Wind speed 5 mph
- Wind direction 309°
- Temperature 80° F High in mid-90°
- Stability class C
- Precipitation Between 1/2 to 1 inches of rain later today

CONTROLLER NOTE: ENSURE ALL CLOCKS ARE SYNCHRONIZED TO NETWORK TIME.

0740 **INITIATING EVENT:** An Adversaries group has entered the Owner Control Area (OCA) from the river. The adversaries separate into two groups and advance through the Owner Control Area (OCA), (12 Adversaries).

0800 One adversary places a satchel charge on the H₂ storage tank with a remote trigger.



Monticello Nuclear Generating Plant

Offsite Timeline - Rev. 1.0

AUGUST 18, 2015

~0840 Offsite Notifications (State and Counties) for the Site Area should be completed.

1. Call list notifications take place.
2. Emergency Operating Center (EOC) activation (State of Minnesota, Wright and Sherburne Counties) occurs.
 - EOC security system initiated
 - Maps, displays set up, messages forms, logs, etc. distributed
 - Communication links established and maintained throughout the exercise
 - Assembled EOC personnel briefed, with additional briefings held periodically throughout the exercise

Note: The BCA Duty Officer participation is complete when notifications are completed and they are informed by the Planning and Assessment Center that they have taken over communication with the plant.
3. Radiological Accident Deployment (RAD) teams and Team Captain respond to Maple Grove fire station. From there, they will be dispatched to affected areas. (Command Van and Field Team actions are simulated)
(CONTROLLER MESSAGE 1- Field Teams simulated)
4. Department of Natural Resources and Department of Agriculture Department Operations Centers (DOCs) are activated (simulated).
5. Local and state first responders are put on standby.
6. Joint Information Center (JIC) is activated.
 - Public Information Officers (PIOs) notified
 - JIC displays and media information kits arranged.
 - JIC Security and Moderator report to media briefing room
 - Initial JIC Management Team meeting
 - Initial news briefing conducted by HSEM Director
 - Preparation and issue of Public Information Bulletins and news releases will continue until the termination of the exercise.

Monticello Nuclear Generating Plant
Offsite Timeline - Rev. 1.0
AUGUST 18, 2015

7. Planning Chief requests additional radiological assets from the 55thCST and DOE radiological assets are requested through FRMAC. (Simulated).
8. Decontamination Centers are activated/notified (simulated).
9. Reception Centers are activated (simulated/ out of sequence activity).
10. Congregate Care Center is activated (simulated/ out of sequence activity).
11. Schools are evacuated to sister schools (Precautionary Measure) (simulated).
12. Governor advised of incident status. "State of Emergency" recommended by State Incident Manager.
13. "State of Emergency" declared by Governor (simulated).
14. Livestock placed on Covered water and stored feed (Precautionary Measure).
15. The Planning and Assessment Center initiates dose assessment
(CONTROLLER MESSAGE 2 – Weather)

~9:35 **CONTROLLER MESSAGE 3 – JIC Evacuation rumor**

~9:40 **CONTROLLER MESSAGES 4, 5 & 6 – Traffic Impediments**

1015 **EAL INITIATING CONDITION:**

The initiating condition for the **GENERAL EMERGENCY** is:

- a. A HOSTILE ACTION has caused failure of the Spent Fuel Cooling System

AND

Monticello Nuclear Generating Plant

Offsite Timeline - Rev. 1.0

AUGUST 18, 2015

- b. IMMINENT fuel damage is likely for a freshly off-loaded reactor core in pool. (T-0= SFP level off-scale low)

~1030 ED should classify, and EM should declare, General Emergency based on HG1.2

PAR – EVACUATE All Sectors to 2 miles, Sectors F, G, H to 5 Miles, Subareas 5E, 5S

~1045 The off-site notifications to the state and counties of the GENERAL EMERGENCY and Initial PAR should be completed.

1. EOC and field staff are notified of the classification upgrade.
 - o State EOC, JIC
 - o Wright and Sherburne County EOCs
 - o ICP and Staging
 - o RAD Teams (simulated)
 - o Decontamination Centers
2. Minnesota's default protective action recommendation (PAR) for a Monticello NGP HAB is to evacuate the 2-mile sub-area and evacuate the 5-mile sub-area(s) in the downwind sectors. Sub Areas to evacuate are the 2 mile and 5E and 5S will be recommended by the Planning Chief to the State Incident Manager.
3. When PADs are approved, the Public Alert and Notification System (PANS) will be implemented. The EAS system will be activated and sirens sounded (simulated).
4. As PADs are recommended, necessary traffic control points are activated for evacuee traffic flow and to restrict incoming traffic (simulated).
5. RAD teams are in the field monitoring radiation levels and reporting to planning and assessment staff in State EOC. (simulated)

Monticello Nuclear Generating Plant
Offsite Timeline - Rev. 1.0
AUGUST 18, 2015

6. All emergency response organizations are fully activated.

7. Radiological response support requested from FEMA

~11:35 **CONTROLLER MESSAGES 7 - JIC YouTube video rumor**

1230 **EXERCISE TERMINATION**