



Federal Emergency Management Agency

Region V

536 South Clark Street, 6th Floor
Chicago, IL 60605-1521

July 26, 2001

Mr. James Dyer
Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
801 Warrenville Road
Lisle, Illinois 60532-4351

Dear Mr. Dyer:

Enclosed is one copy of the Final Report for the June 6, 2001 Plume Radiological Emergency Preparedness Exercise for the Monticello Nuclear Generating Plant. There were no Deficiencies for any jurisdiction. There were no Areas Requiring Corrective Action (ARCAs) for the State of Minnesota, Sherburne County, or Wright County. Two ARCAs for the State of Minnesota from a previous exercise were corrected.

Copies of the report have been forwarded to the State of Minnesota, FEMA National Office, and the U.S. Nuclear Regulatory Commission.

If you have any questions, please contact Woodie J. Curtis or Gary Naskrent at 312-408-5528 or 312-408-5214, respectively.

Sincerely,

A handwritten signature in cursive script, reading "Janet M. Odeshoo".

Janet M. Odeshoo
Acting Regional Director

Enclosure

AUG 2



**Final Exercise Report
for the
Monticello Nuclear Generating Plant**

Licensee:	Nuclear Management Company
Exercise Date:	June 6, 2001
Report Date:	July 26, 2001

**FEDERAL EMERGENCY MANAGEMENT AGENCY
REGION V
536 S. Clark Street
Chicago, Illinois 60605**

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I. EXECUTIVE SUMMARY

On June 6, 2001, an exercise was conducted in the plume exposure pathway emergency planning zone (EPZ) around the Monticello Nuclear Generating Plant by the Federal Emergency Management Agency (FEMA), Region V. 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 FEMA's policies and guidance concerning the exercise of State and local radiological emergency response plans (RERP) and procedures.

The most recent exercise at this site was conducted on June 22, 1999. The qualifying emergency preparedness exercise was conducted on January 7, 1981.

FEMA wishes to acknowledge the efforts of the many individuals in the State of Minnesota and the Counties of Sherburne and Wright who participated in this exercise.

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

This report contains the final evaluation of the biennial exercise and the evaluation of the following out-of-sequence activities:

State of Minnesota: Congregate Care Center
Reception Center Evacuee Vehicle Monitoring/Decontamination
Reception Center Evacuee Monitoring/Decontamination
Medical Services (MS-1) - Facilities
Medical Services (MS-1) - Transportation
Reception Center Evacuee Registration

Sherburne County: Emergency Worker Vehicle Monitoring/Decontamination
Emergency Worker Monitoring/Decontamination

Wright County: Implementation of Protective Actions - Schools (EV2)

The State and local organizations, except where noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. No Deficiencies and no Areas Requiring Corrective Action (ARCA) were identified as a result of this exercise.

II. INTRODUCTION

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

FEMA Rule 44 CFR 350 establishes the policies and procedures for FEMA's 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.

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

- Taking the lead in offsite emergency planning and in the review and evaluation of RERPs and procedures developed by State and local governments;
- Determining whether such plans and procedures can be implemented on the basis of the evaluation 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 Commerce,
 - U.S. Nuclear Regulatory Commission,
 - U.S. Environmental Protection Agency,
 - U.S. Department of Energy,
 - U.S. Department of Health and Human Services,
 - U.S. Department of Transportation,
 - U.S. Department of Agriculture,
 - U.S. Department of the Interior, and
 - U.S. Food and Drug Administration

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

Formal submission of the RERPs for the Monticello Nuclear Generating Plant to FEMA Region V by the State of Minnesota and involved local jurisdictions occurred on June 24, 1981. Formal approval of these RERPs was granted by FEMA on May 10, 1985, under 44 CFR 350.

A REP exercise was conducted on June 6, 2001 by FEMA Region V to assess the capabilities of State and local off-site emergency preparedness organizations in implementing their RERPs and procedures to protect the public health and safety during a radiological emergency involving the Monticello Nuclear Generating Plant. The purpose of this exercise report is to present the exercise results and findings on the performance of the off-site response organizations (ORO's) 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 FEMA Region V RAC Chairperson and approved by the Regional Director.

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;
- FEMA-REP-14, "Radiological Emergency Preparedness Exercise Manual", September 1991; and
- FEMA-REP-15, "Radiological Emergency Preparedness Exercise Evaluation Methodology", September 1991.

Section III of this report, entitled "Exercise Overview", presents basic information and data relevant to the exercise. This section of the report contains a description of the plume pathway EPZ, a listing of all participating jurisdictions and functional entities, which were evaluated, and a tabular presentation of the time of actual occurrence of key exercise events and activities.

Section IV of this report, entitled "Exercise Evaluation and Results", presents detailed information on the demonstration of applicable exercise objectives at each jurisdiction or functional entity evaluated in a jurisdiction-based, issues only format.

III. EXERCISE OVERVIEW

Contained in this section are data and basic information relevant to the June 6, 2001 exercise to test the offsite emergency response capabilities in the area surrounding the Monticello Nuclear Generating Plant. This section of the exercise report includes a description of the plume pathway EPZ, a listing of all participating jurisdictions and functional entities, which were evaluated, and a tabular presentation of the time of the actual occurrence of key exercise events and activities.

A. Plume Emergency Planning Zone Description

The 10-mile Emergency Planning Zone (EPZ) for the Monticello Nuclear Generating Plant consists of a circle with the utility at the center point. The EPZ extends 10-miles outward in all directions from the plant for the plume exposure pathway planning zone and 50 miles outward for the ingestion exposure planning 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 total population in the 10-mile EPZ is 41,950. This figure represents the population in the municipalities and unincorporated areas located in the EPZ.

The 50-mile Ingestion Pathway Zone (IPZ) for the Monticello Nuclear Generating Plant has an estimated population of approximately 3,024,494 as of 1997. Approximately 90% reside in the Minneapolis-St. Paul metropolitan area. There are 19 counties in the 50-mile EPZ which are: Morrison, Mille Lacs, Issanti, Kanabec, Anoka, Chisago, Washington, Ramsey, Dakota, Scott, Sibley, Carver, McLeod, Hennepin, Wright, Meeker, Stearns, Sherburne, and Benton.

There are numerous lakes in the 10-mile EPZ, which are used for recreational purposes. Parts of Lake Marie State Park, Sand Dunes State Forest, and Game Refugee 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 U.S. 52.

B. Exercise Participants

The following agencies, organizations, and units of government participated in the Monticello Nuclear Generating Plant exercise on June 6, 2001.

STATE OF MINNESOTA

Minnesota Governor's Office
Department of Agriculture
Department of Human Services
Department of Military Affairs
Department of Natural Resources
Department of Public Health
Department of Public Safety
Department of Transportation
Division of Emergency Management
Emergency Medical Services Regulatory Board
Military Affairs
Minnesota Board of Animal Control
Minnesota Department of Public Safety Office of Communications
Minnesota Department of Transportation
Minnesota Duty Officer
Minnesota National Guard
Minnesota Pollution Control Agency
Minnesota State Patrol
Monticello Nuclear Generating Plant Liaison
Public Information Officer - Department of Natural Resources
Public Information Officer - Military Affairs
Public Information Officer - Nuclear Management Company
Public Information Officer - Department of Public Safety
Public Information Officer - Military Affairs
Public Information Officer - Minnesota Department of Health
Public Information Office
Sherburne County Public Information Officer
University of Minnesota
Wright County Public Information Officer
XCEL (NMC - Nuclear Management Company)

RISK JURISDICTIONS

SHERBURNE COUNTY

County Commissioner
Agriculture Extension Office
County Engineer

County Sheriff's Department
Department of Public Health
Division of Emergency Management
Emergency Operations Center Dispatch
Emergency Operations Center Security
Fire and Rescue Service
Health Services
Minnesota National Guard
Minnesota State Patrol
Operations Chief
Public Information Office
Radiological Defense Officer
Social Services
XCEL (NMC - Nuclear Management Company)

WRIGHT COUNTY

County Commissioner
County Agriculture
County Civil Defense
County Highway Department
County Human Services
County Law Enforcement
County Public Information Officer
Division of Emergency Management
Minnesota Department of Transportation
Minnesota State Patrol
Operations Chief
Radiation Health Coordinator
Radiological Officer
Sheriffs Department Communications Center
Sheriffs Office
U.S. Department of Agriculture
XCEL (NMC - Nuclear Management Company)

SUPPORT JURISDICTIONS

City of Monticello Civil Defense

PRIVATE/VOLUNTEER ORGANIZATIONS

American Red Cross
Civil Air Patrol
Lutheran Social Services/Lutheran Disaster Relief
Salvation Army

C. Exercise Timeline

Table 1, on the following page, presents the time at which key events and activities occurred during the Monticello Nuclear Generating Plant exercise held on June 6, 2001. Also included are times that notifications were made to the participating jurisdictions/functional entities.

TABLE 1. Exercise Timeline

DATE AND SITE: June 6, 2001 - Monticello Nuclear Generating Plant

Emergency Classification Level or Event	Time Utility Declared	Time That Notification Was received or Action Was Taken			
		MINNESOTA STATE EOC	SHERBURNE COUNTY EOC	WRIGHT COUNTY EOC	JOINT PUBLIC INFORMATION CENTER
Unusual Event	N/A	N/A	N/A	N/A	N/A
Alert	0820	0831	0831	0831	0855
Site Area Emergency	0924	0932	0930	0935	0932
General Emergency	1025	1031	1031	1036	1030
SIM Radiation Release Started	1023	1031	1036	1036	1025
Sim Radiation Release Terminated:	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0918	0858	0900	0918
Declaration State of Emergency		0946	0950	0946	0949
Exercise Terminated		1235	1235	1238	1235
1st Early Precautionary Action Decision: Animals on Stored Feed and Water out to 10-miles		1005	1007	1007	1005
2nd Precautionary Action Decision: Food Embargo - Sub-areas: 2, 5n, 5e, 10e		1058	1058	1058	1058
1st Protective Action Decision: Evacuate: Out to 2 mi - Sections A,B,C,D - Sub-areas: 2, 5n, 5e, 10e		1048	1051	1050	1048
1st Siren Activation		N/A	1100	1100	N/A
1st EAS Activation		1100	N/A	N/A	N/A
2nd Protective Action Decision: Evacuate: Out to 2mi - Sections A,B,C,D, sub-areas 2, 5n, 5e, 10e, 10n		1144	1150	1148	1150
2nd Siren Activation		N/A	1156	1156	N/A
2nd EAS Activation		1156	N/A	N/A	N/A
3rd Protective Action Decision: Evacuate: Out to 2 mi - Sections A,B,C,D - sub-areas 2, 5n, 5e, 5s, 10e, 10se		1208	1209	1209	1209
3rd Siren Activation		N/A	1222	1222	N/A
3rd EAS Activation		1222	N/A	N/A	N/A
KI Administration Decision: Administer KI to Emergency Workers		1039	1115	1059	1045

IV. EXERCISE EVALUATION AND RESULTS

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities, which participated in the June 6, 2001, exercise to test the off-site emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the Monticello Nuclear Generating Plant.

Each jurisdiction and functional entity was evaluated on the basis of its demonstration of criteria contained in exercise objectives contained in FEMA-REP-14, REP Exercise Manual September, 1991. Detailed information on the exercise objectives and the extent-of-play agreement used in this exercise are found in Appendix 3 of this report.

A. Summary Results of Exercise Evaluation - Table 2

The matrix presented in Table 2, on the following page(s), presents the status of all exercise objectives from FEMA-REP-14, which were scheduled for demonstration during this exercise by all participating jurisdictions and functional entities. Exercise objectives are listed by number and the demonstration status of those objectives is indicated by the use of the following letters:

- M - Met (No Deficiency or ARCAs assessed and no unresolved ARCAs from prior exercises)
- D - Deficiency assessed
- A - ARCA(s) assessed or unresolved ARCA(s) from prior exercise(s)
- N - Not Demonstrated (Reason explained in Subsection B)

TABLE 2 - Summary Results of 2001 Exercise Evaluation

Date and Site: June 6, 2001 (Monticello Nuclear Generating Plant)

JURISDICTIONS/LOCATIONS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
STATE OF MINNESOTA																																			
Initial Notification Point	M			M																															
Emergency Operations Center	M	M	M	M					M	M	M						M							M											
Planning & Assessment Center			M	M	M		M		M		M			M																					
Joint Public Information Center		M		M								M																							
Information Hotline (Rumor Control - State and Counties)		M		M									M																						
Media Briefing Room												M																							
Field Team Command Van		M	M	M	M									M																					
State RAD Field Team # 1				M	M	M		M						M																					
State RAD Field Team # 2				M	M	M		M						M																					
Traffic and Access Control				M	M					M				M			M																		
Congregate Care Center				M																M															
Reception Center Evacuee Monitoring/Decontamination				M	M															M															
Reception Center Evacuee Vehicle Monitoring/Decontamination				M	M															M															
Medical Services (MS-1) - Facilities				M	M																														
Medical Services (MS-1) - Transportation				M	M																														
Reception Center Evacuee Registration				M	M															M															

Legend:

M - Met (No Deficiency or ARCA(s) Assessed and no Unresolved ARCAs From Prior Exercises)

N - Not Demonstrated as Scheduled (Reason Explained in Section IV.B)

A - ARCA(s) Assessed or Unresolved ARCA(s) From Prior Exercise(s)

Blank - Not Scheduled for Demonstration

D = Deficiency Assessed

TABLE 2 - Summary Results of 2001 Exercise Evaluation

Date and Site: June 6, 2001 (Monticello Nuclear Generating Plant)

JURISDICTIONS/LOCATIONS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33			
RISK JURISDICTIONS																																				
<u>Sherburne County</u>																																				
Initial Warning Point	M			M																																
Emergency Operations Center	M	M	M	M	M					M				M	M		M																			
Media Briefing				M								M																								
Rumor Control				M									M																							
Traffic and Access Control				M	M					M				M				M																		
National Guard Helicopter				M	M					M				M				M																		
Emergency Worker Vehicle Monitoring/Decontamination				M	M																			M												
Emergency Worker Monitoring/Decontamination				M	M																			M												
<u>Wright County</u>																																				
Initial Warning Point	M			M																																
Emergency Operations Center	M	M	M	M	M					M				M	M	M	M															M				
Media Briefing				M									M																							
Rumor Control				M										M																						
Traffic and Access Control				M	M					M				M					M																	
Implementation of Protective Actions Schools - EV2				M													M																			

Legend:

M - Met (No Deficiency or ARCA(s) Assessed and no Unresolved ARCAs From Prior Exercises)

A - ARCA(s) Assessed or Unresolved ARCA(s) From Prior Exercise(s)

N - Not Demonstrated as Scheduled (Reason Explained in Section IV.B)

Blank - Not Scheduled for Demonstration

D = Deficiency Assessed

B. Status of Jurisdictions Evaluated

This subsection provides information on the evaluation of each participating jurisdiction and functional entity, in a jurisdiction based, issues only format. Presented below is a definition of the terms used in this subsection relative to objective demonstration status.

- **Met** - Listing of the demonstrated exercise objectives under which no Deficiencies or ARCAs were assessed during this exercise and under which no ARCAs assessed during prior exercises remain unresolved.
- **Deficiency** - Listing of the demonstrated exercise objectives under which one or more Deficiencies were assessed during this exercise. Included is a description of each Deficiency and recommended corrective actions.
- **Area Requiring Corrective Action** - Listing of the demonstrated exercise objectives under which one or more ARCAs were assessed during the current exercise or ARCAs assessed during prior exercises remain unresolved. Included is a description of the ARCAs assessed during this exercise and the recommended corrective action to be demonstrated before or during the next biennial exercise.
- **Not Demonstrated** - Listing of the exercise objectives which were not demonstrated as scheduled during this exercise and the reason they were not demonstrated.
- **Prior ARCAs - Resolved** - Description of ARCAs assessed during previous exercises which were resolved in this exercise and the corrective actions demonstrated.
- **Prior ARCAs - Unresolved** - Description of ARCAs assessed during prior exercises, which were not resolved in this exercise. Included is the reason the ARCAs remain unresolved and recommended corrective actions to be demonstrated before or during the next biennial exercise.

The following are definitions of the two types of exercise issues, which are discussed in this report.

- A **Deficiency** is defined in FEMA-REP-14 as "...an observed or identified inadequacy of organizational performance in an exercise that could cause a finding that offsite emergency preparedness is not adequate to provide reasonable assurance that appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of a nuclear power plant."

- An **ARCA** is defined in FEMA-REP-14 as "...an observed or identified inadequacy of organizational performance in an exercise that is not considered, by itself, to adversely impact public health and safety."

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

The identifying number for Deficiencies and ARCAs 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.
- **Exercise Year** - The last two digits of the year the exercise was conducted.
- **Objective Number** - A two-digit number corresponding to the objective number in FEMA-REP-14.
- **Issue Classification Identifier** - (D = Deficiency, A = ARCA). Only Deficiencies and ARCAs are included in exercise reports.
- **Exercise Issue Identification Number** - A separate two (or three) digit indexing number assigned to each issue identified in the exercise.

1. STATE OF MINNESOTA

1.1 Initial Notification Point

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

1.2 Emergency Operations Center

- a. MET: Objectives 1, 2, 3, 4, 9, 10, 11, 17, 23
- b. DEFICIENCY: None
- c. AREAS REQUIRING CORRECTIVE ACTION: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: Objective 11

Issue No: 50-00-A-11-02

Description: As a result of the Township of Trenton (5E) being omitted from EAS Message 13, the State of Minnesota Emergency Operations Center did not accurately indicate correct geographical boundaries for those sub-areas that were to be evacuated.

Recommendation: Review and correct, where required, the pre-scripted EAS message.

Corrective Action Demonstrated: All pre-scripted messages in the plan were reviewed for accuracy, and were found to correctly respond to each evacuation sub-area. The EAS messages that were chosen from the plan and subsequent Special News Bulletins accurately reflected the protective action recommendations relating to the specific areas recommended to be evacuated.

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

1.3 Planning and Assessment Center

- a. **MET:** Objectives 3, 4, 5, 7, 9, 11, 14
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.4 Joint Public Information Center

- a. **MET:** Objectives 2, 4, 12
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.5 Information Hotline (Rumor Control - State and Counties)

- a. **MET:** Objectives 2, 4, 13
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.6 Media Briefing Room

- a. **MET:** Objective 12
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.7 Field Team Command Van

- a. **MET:** Objectives 2, 3, 4, 5, 14
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES – UNRESOLVED:** None

1.8 State RAD Field Team # 1

- a. **MET:** Objectives 4, 5, 6, 8, 14
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES – UNRESOLVED:** None

1.9 State RAD Field Team # 2

- a. **MET:** Objectives 4, 5, 6, 8, 14
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.10 Traffic and Access Control

- a. **MET:** Objectives 4, 5, 10, 14, 17
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.11 Congregate Care Center

- a. **MET:** Objectives 4, 19
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.12 Reception Center – Evacuee Monitoring/Decontamination

- a. **MET:** Objectives 4, 5, 18
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** Objective 5

Issue No.: 50-00-A-05-01

Description: Evidence of testing the DRDs to assure proper performance was not available. The Reception Center Director (Cottage Grove) indicated that the only testing done on the reception center DRDs was to zero them every three months. No other testing was performed. (NUREG 0654, K.3.a). Leak testing of dosimetry is required to be accomplished on an annual basis.

Recommendation: The State of Minnesota should implement proper testing procedures utilizing nationally accepted standards.

Corrective Action Demonstrated: During the exercise, documentation was presented to show that the dosimeters had been leak tested by the State of Minnesota on October 17, 2000.

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

1.13 Reception Center – Evacuee Vehicle Monitoring/Decontamination

- a. **MET:** Objectives 4, 5, 18
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.14 Medical Services (MS-1) – Facilities

- a. **MET:** Objectives 4, 5, 21
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.15 Medical Services (MS-1) – Transportation

- a. **MET:** Objectives 4, 5, 20
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

1.16 Reception Center - Evacuee Registration

- a. **MET:** Objectives 4, 5, 18
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2. RISK JURISDICTIONS

2.1 SHERBURNE COUNTY

2.1.1 Initial Warning Point

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

2.1.2 Emergency Operations Center

- a. **MET:** Objectives 1, 2, 3, 4, 5, 10, 14, 15, 17
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.1.3 Media Briefing

- a. **MET:** Objectives 4, 12
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None

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

2.1.4 Rumor Control

- a. **MET:** Objectives 4, 13
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.1.5 Traffic and Access Control

- a. **MET:** Objectives 4, 5, 10, 14, 17
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- e. **PRIOR ISSUES - UNRESOLVED:** None

2.1.6 National Guard Helicopter

- a. **MET:** Objectives 4, 5, 10, 14, 17
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.1.7 Emergency Worker Vehicle Monitoring/Decontamination

- a. **MET:** Objectives 4, 5, 22
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.1.8 Emergency Worker Monitoring/Decontamination

- a. **MET:** Objectives 4, 5, 22
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.2 WRIGHT COUNTY

2.2.1 Initial Warning Point

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

2.2.2 Emergency Operations Center

- a. **MET:** Objectives 1, 2, 3, 4, 5, 10, 14, 15, 16, 17, 30
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.2.3 Media Briefing

- a. **MET:** Objectives 4, 12
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.2.4 Rumor Control

- a. **MET:** Objectives 4, 13
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.2.5 Traffic and Access Control

- a. **MET:** Objectives 4, 5, 10, 14, 17
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

2.2.6 Implementation of Protective Actions – Schools – EV2

- a. **MET:** Objectives 4, 16
- b. **DEFICIENCY:** None
- c. **AREAS REQUIRING CORRECTIVE ACTION:** None
- d. **NOT DEMONSTRATED:** None
- e. **PRIOR ISSUES - RESOLVED:** None
- f. **PRIOR ISSUES - UNRESOLVED:** None

APPENDIX 1

ACRONYMS AND ABBREVIATIONS

The following is a list of the acronyms and abbreviations that were used in this report.

A&N	Alert and Notification
ARC	American Red Cross
ARCA	Area Requiring Corrective Action
CCC	Congregate Care Center
CFR	Code of Federal Regulations
CPM	Count Per minute
DEM	Division of Emergency Management (Minnesota)
DHS	Department of Human Services
DOE	Department of Energy
DOT	Department of Transportation
DRD	Direct Reading Dosimeter
EAL	Emergency Action Level
EAS	Emergency Alerting System
ECL	Emergency Classification Level
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPZ	Emergency Planning Zone
EV-2	FEMA Guidance Memorandum EV-2, <i>Protective Actions for School Children</i> , November 13, 1986
FEMA	Federal Emergency Management Agency
FRMAC	Federal Radiological Monitoring and Assessment Center
FTC	Field Team Center
GE	General Emergency
JPIC	Joint Public Information Center
KI	Potassium Iodide
mR	milliroentgen
mR/hr	milliroentgen per hour
MDA	Minnesota Department of Agriculture
MDH	Minnesota Department of Health
MS-1	Medical Services for Contaminated Injured

NAWAS	National Warning System
NMC	Nuclear Management Company
NOAA	National Oceanic and Atmospheric Administration
NOUE	Notification of Unusual Event
NRC	Nuclear Regulatory Commission
NUREG-0654	NUREG-0654/FEMA-REP-1, Rev. 1, <i>Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants, November 1980</i>
NWS	National Weather Service
Ops	Operations
ORO	Offsite Response Organization
PAC	Planning and Assessment Center
PAD	Protective Action Decision
PAG	Protective Action Guideline
PAR	Protective Action Recommendation
PIO	Public Information Officer
R	Roentgen
RACES	Radio Amateur Civil Emergency Service
RAC	Regional Assistance Committee
RADEF	Radiological Defense Officer
RAD Team	Radiological Accident Deployment Team
REA	Radioactive Emergency Area
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RRT	Radiological Response Team
R/h	Roentgen(s) per hour
RO	Radiological Officer
SAE	Site Area Emergency
SEOC	State Emergency Operation Center
SIM	State Incident Manager
TL	Team Leader
TLD	Thermoluminescent Dosimeter
TACP	Traffic and Access Control Point

**APPENDIX 2
EXERCISE EVALUATORS AND TEAM LEADERS**

The following is a list of the personnel who evaluated the Monticello Nuclear Generating Plant exercise on June 6, 2001. Evaluator team Leaders are indicated by the letters "(T/L)" after their names. The organization which each evaluator represents is indicated by the following abbreviations:

FEMA - Federal Emergency Management Agency
 ICF - ICF Consulting
 NRC - Nuclear Regulatory Commission
 USDA - U.S. Department of Agriculture
 US DOT - U.S. Department of Transportation

Regional Assistance Committee Chairman: Woodie J. Curtis
 Exercise Director: William King

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
STATE OF MINNESOTA		
Initial Notification Point	Clint Crackel (T/L)	FEMA
Emergency Operations Center	Clint Crackel (T/L)	FEMA
	Roy Smith	ICF
Planning and Assessment Center	Richard Grundstrom	ICF
Joint Public Information Center (JPIC)	William Lueders	ICF
Rumor Control	William Lueders	ICF
Media Briefing Room	Clint Crackel (T/L)	FEMA
Field Team Command Van	Ron Graham	USDA
State RAD Field Team # 1	Roland Lickus	NRC
State RAD Field Team # 2	Harry Harrison	ICF
Traffic and Access Control	Arthur Ball	ICF
Congregate Care Center	Arthur Ball	ICF
Reception Center - Evacuee		
Monitoring/Decontamination	Carolyn Sturghill	FEMA
	Harry Harrison	ICF
Reception Center - Evacuee Vehicle		
Monitoring/Decontamination	Ernest Boaze	ICF
Medical Services (MS-1) - Facilities	Ron Graham	USDA
Medical Services (MS-1) - Transportation	Ron Graham	USDA

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
SHERBURNE COUNTY		
Initial Warning Point	Gary Naskrent (T/L)	FEMA
Emergency Operations Center	Gary Naskrent (T/L)	FEMA
	Alan Birman	FEMA
	Douglas Stutz	ICF
Media Briefing	Alan Birman	FEMA
Rumor Control	Douglas Stutz	ICF
	William Lueders	ICF
Traffic and Access Control	Jeff McSpaden	U.S. DOT
National Guard Helicopter	Jeff McSpaden	U.S. DOT
Emergency Worker Vehicle Monitoring/ Decontamination	Cleven Lloyd	FEMA
Emergency Worker Monitoring/ Decontamination	Alan Birman	FEMA
WRIGHT COUNTY		
Initial Warning Point	Carolyn Sturghill (T/L)	FEMA
Emergency Operations Center	Carolyn Sturghill (T/L)	FEMA
	Ernest Boaze	ICF
	Arthur Ball	ICF
Media Briefing	Ernest Boaze	ICF
Rumor Control	Ernest Boaze	ICF
	William Lueders	ICF
Traffic and Access Control	Cleven Lloyd	FEMA
Implementation of Protective Actions - Schools - EV2	Gary Naskrent (T/L)	FEMA

APPENDIX 3

EXERCISE OBJECTIVES AND EXTENT-OF-PLAY AGREEMENT

This appendix lists the exercise objectives, which were scheduled for demonstration in the Monticello Nuclear Generating Plant exercise on June 6, 2001 and the extent-of-play agreement approved by FEMA Region V on March 16, 2001.

The exercise objectives, contained in FEMA-REP-15, "Radiological Emergency Preparedness Exercise Evaluation Methodology", September 1991, represent a functional translation of the planning standards and evaluation criteria of NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for the Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants", November 1980.

Because the exercise objectives are intended for use at all nuclear power plant sites, and because of variations among offsite plans and procedures, an extent-of-play agreement is prepared by the State and approved by FEMA to provide evaluators with guidance on expected actual demonstration of the objectives.

STATE OF MINNESOTA

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

State EOC

The State of Minnesota Emergency Operating Center (EOC) will be activated at an ALERT classification. The Minnesota Duty Officer (MDO) will take the initial call and make notifications by telephone. The State EOC is located at 444 Cedar Street, Suite 223, St. Paul.

Radiological Accident Deployment (RAD) Teams

RAD teams (emergency phase field monitoring and sampling teams) will be mobilized at the ALERT classification. Notification will occur through the Minnesota Duty Officer to the Hennepin County Sheriff's Dispatch Center, who will in turn page team members. RAD Team personnel will be pre-positioned at 0745 at the Maple Grove Fire Station #2, 13450 Maple Knoll Way, Maple Grove, MN. The Maple Grove Fire command van will serve as a field command post and will relocate as determined by the scenario.

Joint Public Information Center (JPIC)

The JPIC will be activated at the ALERT classification. Once activated, it will be maintained until the termination of the exercise. The work area for the JPIC is located in

the State EOC, and the media briefing room is in the Public Safety Media Room, 444 Cedar Street.

OBJECTIVE 2: FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

The adequacy of the State EOC and JPIC and Field Team Command Van will be demonstrated through the use of appropriate maps, status boards, and other displays.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

The State EOC State Incident Manager (SIM) in association with the Sherburne and Wright County Operations Chiefs will coordinate decisions and emergency activities. RAD team members will receive their direction from the RAD Team Captain (located in the Field Team Command Van).

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

The State EOC primary communication links are dedicated telephone lines to the Monticello Nuclear Generating Plant Technical Support Center (TSC), Emergency Operations Facility (EOF), and the Sherburne and Wright County EOCs. Additional commercial telephone lines are available to EOC staff. Facsimile machines will demonstrate hard copy capability. RAD Team activities will be directed by radio with cellular and satellite telephone communications as backups, if necessary.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

There will be a re-demonstration by Osseo Reception Center of Objective 5 as a result of an ARCA received during the Prairie Island Exercise on Sept 13, 2000.

Ref. Issue No.: 50-00-A-05-01.

Description: Evidence of testing the DRDs to assure proper performance was not available. The Reception Center Director (Cottage Grove) indicated that the only testing done on the reception

center DRDs was to zero them every three months. No other testing was performed. (NUREG 0654:K.3.a).

Leak testing of dosimetry is required to be accomplished on an annual basis.

All emergency workers have a dose limit of 3 rem—no special missions will be demonstrated during this exercise. The turn back value for RAD field teams is 100 mR/hr. Evacuee monitoring personnel at the Reception Center will use group dosimetry in those areas where workers are in close proximity to each other (Stations 4,5,6,8). Pocket dosimeters and TLDs will be worn by all emergency workers to monitor and control exposure as follows:

Emergency Worker	Dosimeter Range			Pick-up Location
RAD Team Members	0-200 mR	0-20 R	TLD	Fire Station*
Military Affairs (National Guard)		0-20 R	TLD	Sherburne Co. EOC
Reception Center Staff	0-200 mR group dosimetry		TLD	Osseo Junior High School
State Patrol		0-20 R	TLD	Wright Co. EOC
Ambulance crew (Do not take KI)	0-200mR		TLD	Reception Center

Note: Reception Center Staff do not take KI.

* Maple Grove supplies are stored at Maple Grove Fire Station #2.

OBJECTIVE 6: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

Demonstrate the appropriate use of equipment and procedures for determining field radiation measurements.

Two RAD field teams will demonstrate this objective. In addition, field data from two "phantom" teams will be provided to the RAD Team Captain and the PAC through the Command Van Controller. One team will be chosen to demonstrate the donning and removal of protective clothing on the day of the exercise, however the only protective clothing worn in the field will be surgical gloves. Eberline E-120 (0-50,000 CPM) survey meters and Eberline RO-2A (0-50 R/hr) survey meters will be used for determining field radiation measurements. A list of the equipment and current calibration records will be provided, upon request, to the evaluators.

OBJECTIVE 7: PLUME DOSE PROJECTION

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

The accident assessment team in the Planning and Assessment Center (PAC) will demonstrate this objective. Dose modeling will be performed using the latest windows based RASCAL, and backup capability will be a battery operated laptop computer. The first protective action recommendation (PAR) will be made at a GENERAL EMERGENCY classification, and will be pre-determined (evacuation of 2 miles 360° and out to five miles, three sectors downwind) as per the Minnesota EOC Standard Operating Procedures. This pre-determined PAR has been pre-approved by the Governor of Minnesota. Subsequent PARs will occur as driven by the scenario.

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10⁻⁷ (.0000001) micro-curie per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

This objective will be demonstrated by the RAD teams in the field using RADECO air samplers to obtain a ten minute, ten cubic foot sample. RAD team members will conduct gross particulate and iodine field counting using Eberline E-120 survey meters (0-50,000 CPM) in accordance with their standard operating procedures. Field count data will be communicated to the PAC via the Command Van. The air sample concentrations will be calculated by the PAC. Purging the sampler head is not a part of RAD team procedures.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING

Demonstrate the capability to make timely and appropriate protective action decisions.

The accident assessment team in the PAC will demonstrate this objective. The Planning Chief will make protective action recommendations (PARs) based on available data and information. The first PAR will be pre-determined, and subsequent PARs will be scenario driven. The Planning Chief will make the KI administration recommendation based on any indication of radioactive iodine release from the power plant (per the Minnesota Emergency Operations Plan, MEOP).

OBJECTIVE 10: ALERT AND NOTIFICATION

Demonstrate the capability to promptly alert and notify the public within the 10-mile emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

The development and dissemination of an Emergency Alert System (EAS) message will be demonstrated in the State EOC. EAS is activated only when there is a protective action for people. The State EAS Plan States that the code for a nuclear power plant incident is monitored by all relay stations and is set to automatically transmit the message from the State EOC. All areas in the 10-mile EPZ have EAS automatic 24-hour broadcast coverage. The initial EAS message occurs as determined by the State Incident Manager in coordination with the Sherburne County and Wright County Operations Chiefs following the approval of a PAR. An SEOC staff member will directly broadcast an EAS message using an encoder/decoder, which is automatically monitored by encoders/decoders by relay stations. In addition, we have the capability to send a message directly over NOAA tone alert radios and weather utilizing a computer 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 JPIC using special news broadcasts and news releases.

As part of the PAR approval process, after approval by the Minnesota State Incident Manager and with concurrence from the Sherburne and Wright County Operations Chiefs via a conference call, the counties activate sirens. The actual time of the siren activation is determined by Minnesota State Incident Manager and coordinated with the Sherburne and Wright County Operations Chiefs.

A National Guard helicopter equipped with a public address system will warn recreational areas (weather permitting). Evaluation can be based on discussions with the representatives of the National Guard in the Sherburne County EOC and with the flight crew. The helicopter will be operated from the Sherburne County Law Enforcement Center grounds. Sirens, weather radios and the broadcast of messages will be simulated.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

Demonstrate the capability to coordinate the formulation and dissemination of accurate information to the public.

There will be a re-demonstration of Objective 11 by the SEOC as a result of an ARCA received during the Prairie Island Exercise on September 13, 2000.

Ref. Issue No: 50-00-A-11-02.

Description: As a result of the Township of Trenton (5E) being omitted from EAS Message 13, the State of Minnesota Emergency Operations Center did not accurately indicate correct geographical boundaries for those sub-areas that were to be evacuated.

All EAS messages are the responsibility of SEOC Operations staff. The State of Minnesota uses pre-scripted EAS messages. Special news broadcasts will also be pre-scripted as often as possible and coordinated with all applicable agencies. Public not affected by the PAR will be told to remain tuned to their EAS station for further

information. These special broadcasts will be announced in the JPIC media briefing room.

OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

This objective will be demonstrated in the JPIC work area and media briefing room. All Minnesota public information will be coordinated by the Lead PIO. The JPIC management committee will coordinate all information released to the media. Hard copy will be shared with county EOCs.

OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

This objective will be demonstrated in the SEOC and driven by controller messages. The MN SEOC is responsible for rumor control for Wright and Sherburne Counties. Two Information Hotline staff will answer phones at an average of six calls per hour per person until the termination of the exercise. Televisions and VCRs (used to monitor and tape media broadcasts) are in the Information Hotline and PIO work areas.

OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF POTASSIUM IODIDE FOR EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC

Demonstrate the capability and resources to implement KI protective actions for emergency workers, institutionalized individuals and, if the State plan specifies, the general public.

When the decision to administer KI is made (or a controller message is injected) the Planning Chief will recommend to the State Incident Manager that field operations staff take KI (simulated). KI for RAD team members is included in sampling kits. State Patrol receives their kits at county EOCs per procedure. Minnesota does not provide KI to members of the general public. State emergency workers that will simulate KI administration are:

Military Affairs personnel (helicopter crew-alerting the public, if in the air)
RAD Team members (field monitoring and sampling) and
State Patrol

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

Is not applicable to the State of Minnesota.

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTION ACTIONS - SCHOOLS

Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway emergency planning zone.

Is not applicable to the State of Minnesota.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

A Minnesota State Patrol Officer at one traffic access control point will demonstrate this objective. At a Site Area Emergency classification, the officer will be directed to report to the Wright County EOC to obtain dosimetry and instructions, and will rendezvous with an evaluator at a control point selected at the time of the exercise or at the Wright County EOC. Coordination of resources will be demonstrated in the EOCs. Control of rail, water, and air traffic will be coordinated in the State EOC.

OBJECTIVE 18: RECEPTION CENTER - MONITORING, DECONTAMINATION AND REGISTRATION

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

Evacuee monitoring will be demonstrated at the Osseo Junior High at 7:00 P.M. on Tuesday, June 5, 2001. The facility Director of Operations is a Safety Officer from the Minnesota Department of Human Services (DHS). The initial monitoring evacuee monitoring station uses portal monitors (DHS owns 4). A check source is used to ensure that the instruments respond. Based on the planning standard for reception center staffing, it has been determined that 3 portal monitors are required at this facility (2 will be set up and demonstrated). Hand held survey instruments are used by monitoring staff in the decontamination areas. Hand held instruments are calibrated annually. Personnel from Hennepin County will conduct monitoring, and staff from the DHS will serve as recorders. Approximately twelve volunteer mock evacuees will go through the reception center monitoring and registration process. At least one male and one female "evacuee"

will require decontamination. Controllers will provide contamination levels and monitoring and decontamination results.

A medical emergency will be driven by controller messages and responded to by North Ambulance personnel.

Vehicle Decon: Two vehicles will be monitored - at least one will require decontamination. Air intake filter monitoring is not a part of Minnesota procedures. A copy of reception center station procedures will be available upon request.

OBJECTIVE 19: CONGREGATE CARE

Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

Congregate care will be demonstrated on Tuesday, June 5, 2001 at the reception center demonstration. An American Red Cross shelter manager and nurse will meet the evaluator at the reception center at Osseo Junior High. They will then go to the selected mass shelter location and conduct a walk through of the facility. They will provide lists of supplies, equipment, personnel, and logistical information for review. The shelter agreement will be available for review.

OBJECTIVE 20: MEDICAL SERVICES - TRANSPORTATION

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

North Ambulance will demonstrate this objective at the reception center at 7:00 P.M., June 5, at Osseo Junior High, 10223 93rd Avenue North, Osseo. A controller will provide the ambulance crew with a simulated contaminated injured evacuee. The ambulance crew will assess the contamination situation and medical condition. They will then prepare the patient for transport to North Memorial Medical Center. They will load the patient into the ambulance and suspend play. Evaluators may interview the ambulance crew regarding their actions during transport at this time.

OBJECTIVE 21: MEDICAL SERVICES - FACILITIES

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

North Memorial Medical Center (3300 Oakdale Avenue North, Robbinsdale) will demonstrate this objective at 0730 A.M., Tuesday, June 5 (Because the reception center demonstration is after this demonstration there will be a scenario disconnect). A contaminated injured evacuee will arrive at the emergency room (simulated). Upon notification of arrival of patient, hospital personnel will prepare emergency room area for

arrival of the contaminated patient, including appropriate contamination control measures. Radiological monitoring will be conducted by plant Radiation Protection Specialist. Appropriate equipment and supplies will be available. The setting of priorities between medical treatment and contamination controls will be demonstrated. If determined as necessary, samples will be collected and decontamination procedures will be demonstrated. Depending on availability, if an ambulance is used for this demonstration, the evaluator may interview the ambulance crew regarding their actions during the transport time.

OBJECTIVE 22: EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES - MONITORING AND DECONTAMINATION

Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency workers, equipment, and vehicles.

Is not applicable to the State of Minnesota.

OBJECTIVE 23: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)

Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

This objective will be demonstrated as part of the normal MN EOC standard operating procedures.

OBJECTIVE 24: POST - EMERGENCY SAMPLING

Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume.

Will not be demonstrated during this exercise.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

Will not be demonstrated during this exercise.

OBJECTIVE 26: INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING

Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions.

Will not be demonstrated during this exercise.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION

Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

Will not be demonstrated during this exercise.

OBJECTIVE 28: RELOCATION, RE-ENTRY, AND RETURN - DECISION MAKING

Demonstrate the capability to develop decisions on relocation, re-entry, and return.

Will not be demonstrated during this exercise.

OBJECTIVE 29: RELOCATION, RE-ENTRY, AND RETURN - IMPLEMENTATION

Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return.

Will not be demonstrated during this exercise.

OBJECTIVE 30: CONTINUOUS, 24 HOUR STAFFING

Demonstrate the capability to maintain staffing on a continuous, 24 hour basis through an actual shift change.

Will not be demonstrated during this exercise.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide offsite support for the evacuation of onsite personnel.

This is a County objective and not applicable to the State of Minnesota.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

Will not be demonstrated during this exercise.

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

Will not be demonstrated during this exercise.

Sherburne County

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

The initial call will be received in the dispatch office of the Sherburne County Law Enforcement Center located at 13880 Hwy 10, Elk River. Initial calls to activate EOC staff will begin in the dispatch office. Mobilization will then continue through a telephone tree of designated emergency response personnel. The Sherburne County EOC is located at 13880 Hwy 10, Elk River. PIO Liaisons will be pre-positioned. Approximately one hour after the Alert ECL they will report to the State EOC.

OBJECTIVE 2: FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

The adequacy of the Sherburne County EOC will be demonstrated through the use of appropriate maps, status boards and other displays.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

The Sherburne County Operations Chief will coordinate decisions and emergency activities. Activities will be coordinated with the State and Wright County EOCs and field staff as necessary.

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

The county EOC's primary communication links are dedicated telephone lines to the State EOC and Wright County. Additional commercial telephone lines are available to EOC staff. Facsimile machines will demonstrate hard copy capability. MNSEF radio will

provide back up communications, if needed.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

As driven by the scenario, field personnel, i.e. Sheriff's deputies, County Highway workers, will be called in to the EOC (all will be simulated except 1 deputy) to pick up dosimetry, KI and to receive a briefing and an emergency assignment. County workers will wear pocket dosimeters and TLDs as follows:

Emergency Worker	Dosimeter Range			Pick-up Location
Field Staff (route alerting, etc.)		0-20 R	TLD	Sherburne Co. EOC
Decontamination Staff*	0-200mR		TLD	Zimmerman FD
Ambulance crew*	0-200mR		TLD	Reception Center

All emergency workers have a dose limit of 3 rem. No special missions will be demonstrated during this exercise. Dosimetry records are on file in Sherburne County EOC office and available for review, if requested.

*Reception Center and ambulance staffs do not take KI.

OBJECTIVE 6: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

Demonstrate the appropriate use of equipment and procedures for determining field radiation measurements.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 7: PLUME DOSE PROJECTION

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10^{-7} (.0000001) micro-curie per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING

Demonstrate the capability to make timely and appropriate protective action decisions.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 10: ALERT AND NOTIFICATION

Demonstrate the capability to promptly alert and notify the public within the 10-mile emergency planning zone (EPZ), and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

All EAS messages are developed and disseminated by the State. The coordination of alert and notification implementation will be demonstrated in the Sherburne County EOC (siren activation will be simulated). Sirens are sounded once following each evacuation PAR.

As determined by the scenario, a deputy will be called into the county EOC, receive a short briefing and get dosimetry. He/she will pick up an evaluator in the EOC at that time and will demonstrate route alerting in exception areas, designated as such due to low population density.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

Demonstrate the capability to coordinate the formulation and dissemination of accurate information to the public.

The State of Minnesota is responsible for the dissemination of all EAS messages and special news broadcasts. This objective is not applicable to Sherburne County.

OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

The Sherburne County Public Information Liaison, located in the State EOC in accordance with JPIC activities, will demonstrate the coordination of county public information. Hard copies of news releases will be shared via fax.

OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Rumor control is conducted in the State EOC. When rumors affect Sherburne County, the information will be coordinated between its representative in the JPIC work area at the State EOC and the PIO in the county EOC and to the county EOC staff.

OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF POTASSIUM IODIDE FOR EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC

Demonstrate the capability and resources to implement KI protective actions for emergency workers, institutionalized individuals and, if the State plan specifies, the general public.

This objective will be coordinated through the State planning and assessment staff. The decision to instruct emergency workers to take KI will be made by the State Incident Manager (as recommended by the Planning Chief), who will then make the recommendation to the Sherburne County Operations Chief. KI administration instructions to county emergency workers disseminate from the Sherburne County EOC. Upon notification, the deputy sheriff demonstrating route alerting will simulate KI administration.

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

This objective will be procedurally demonstrated in the Sherburne County EOC by Social Services staff. Resources will be discussed with the evaluator.

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS

Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway emergency planning zone (EPZ).

This objective was not selected to be demonstrated.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

This objective will be demonstrated in conjunction with Objective 10. The deputy who is demonstrating route alerting will also demonstrate this objective. Before the demonstration of the route, the deputy will proceed to a conveniently located, pre-determined roadblock. No barricade will actually be placed on the roadside. The Sherburne County Highway department will be available for interview at the EOC. An evaluator will conduct a procedural interview.

OBJECTIVE 18: RECEPTION CENTER - MONITORING, DECONTAMINATION AND REGISTRATION

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

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 19: CONGREGATE CARE

Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 20: MEDICAL SERVICES - TRANSPORTATION

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

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 21: MEDICAL SERVICES - FACILITIES

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

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 22: EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES - MONITORING AND DECONTAMINATION

Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency workers, equipment, and vehicles.

This objective will be demonstrated at 7:00 p.m. on Tuesday, June 5, at the Zimmerman Fire Department. At least two RAD team members (with one emergency vehicle and field samples) will be processed through the center. A controller will provide contamination levels. Eberline E-120 survey meters (00 50,000 cpm) will be used, and an instrument check will be used as a single point calibration check. Monitoring the air intake filter of vehicles is not part of decon procedures in Minnesota.

OBJECTIVE 23: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)

Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 26: INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING

Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION

Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

This is a plume exercise and Sherburne County will not demonstrate this objective.

OBJECTIVE 28: RELOCATION, RE-ENTRY, AND RETURN - DECISION MAKING

Demonstrate the capability to develop decisions on relocation, re-entry, and return.

Is a State objective and not applicable to Sherburne County.

OBJECTIVE 29: RELOCATION - RE-ENTRY, AND RETURN - IMPLEMENTATION

Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return.

This objective was not selected for demonstrated.

OBJECTIVE 30: CONTINUOUS, 24 HOUR STAFFING

Demonstrate the capability to maintain staffing on a continuous, 24 hour basis through an actual shift change.

Is not selected for demonstration for this exercise by Sherburne County.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide offsite support for the evacuation of onsite personnel.

Will not be demonstrated during this exercise.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

Will not be demonstrated during this exercise.

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

Will not be demonstrated during this exercise.

Wright County

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

The initial call will be received in the dispatch office of the Wright County Sheriff's Department. The call to activate EOC staff will be made at the Alert ECL from the sheriff's department. The Wright County Sheriff's office is located at 10 NW 2nd Street in Buffalo. The PIO Liaison will be pre-positioned at the State EOC. Approximately one hour after the Alert ECL they will report to the State EOC. The EOC will be partially set up in advance. Fax machines, copy machines, and computers will be moved and set up prior to the exercise.

OBJECTIVE 2: FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

The adequacy of the Wright County EOC will be demonstrated through the use of appropriate maps, status boards and other displays.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

The Wright County Operations Chief will coordinate decisions and emergency activities. Activities will be coordinated with the State and Sherburne County EOC and field staff, as necessary.

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

The Wright County EOC primary communication links are dedicated telephone lines to the State EOC. Additional commercial telephone lines are also available to EOC staff. Facsimile machines will demonstrate hard copy capability. MNSEF radio will be used as back up, only if needed.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

All county workers will wear pocket dosimeters and TLDs to monitor and control exposure as follows:

Emergency Worker	Dosimeter Range		Pick-up Location	
EW Decon staff*	0-200 mR		TLD	Buffalo Fire Dept.
Field Staff (route alerting, etc.)		0-20 R	TLD	Wright Co. EOC
Ambulance Crew*	0-200mR		TLD	Reception Center

All emergency workers have a dose limit of 3 rem. No special missions will be demonstrated during this exercise. Dosimetry records are on file in the Wright County Emergency Management Office and available for review, if requested.

*Decon staff and Ambulance crew does not take KI.

OBJECTIVE 6: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

Demonstrate the appropriate use of equipment and procedures for determining field radiation measurements.

Is a State objective and not applicable to Wright County.

OBJECTIVE 7: PLUME DOSE PROJECTION

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

Is a State objective and not applicable to Wright County.

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE PARTICULATE ACTIVITY MONITORING

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10^{-7} (.0000001) micro-curie per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Is a State objective and not applicable to Wright County.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING

Demonstrate the capability to make timely and appropriate protective action decisions.

Is a State objective and not applicable to Wright County.

OBJECTIVE 10: ALERT AND NOTIFICATION

Demonstrate the capability to promptly alert and notify the public within the 10-mile emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

All EAS messages are the responsibility of the State EOC. The coordination of alert and notification implementation will be demonstrated in the Wright County EOC (siren activation will be simulated). Sirens are sounded once following each evacuation PAR.

As determined by the scenario, a deputy will be called in to the county EOC, receive a short briefing and get dosimetry. He/she will pick up an evaluator in the EOC at that time and will demonstrate route alerting in exception areas, designated as such due to low population density.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

Demonstrate the capability to coordinate the formulation and dissemination of accurate information to the public.

The State of Minnesota is responsible for the dissemination of all EAS messages and special news broadcasts. This objective is not applicable to Wright County.

OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

The Wright County Public Information Liaison, who is located in the State EOC, will demonstrate the coordination of county public information. The PIO located in the Wright County EOC will demonstrate one local briefing in the county boardroom as driven by the scenario.

OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Rumor control is conducted in the State EOC. When rumors affect Wright County, the information will be coordinated between its representative in the JPIC work area at the State EOC and the PIO in the county EOC.

OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF POTASSIUM IODIDE FOR EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC

Demonstrate the capability and resources to implement KI protective actions for emergency workers, institutionalized individuals and, if the State plan specifies, the general public.

This objective will be coordinated through the State planning and assessment staff. The decision to instruct emergency workers to take KI will be made by the State Incident Manager (as recommended by the Planning Chief), who will then make the recommendation to the Wright County Operations Chief. KI administration instructions to county emergency workers disseminate from the Wright County EOC. Upon notification, the deputy sheriff demonstrating route alerting will simulate KI administration.

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

This objective will be procedurally demonstrated in the county EOC by the Human Services staff. Resources will be discussed with the evaluator. Some information maintained by the county is covered by the Privacy Act and will be shared with but not released to Federal evaluators.

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS

Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway emergency planning zone (EPZ).

Out of sequence EV-2 demonstration

Because school in the Monticello School district will not be in session during the scheduled June 6th Monticello Exercise, Wright County will demonstrate it with an out-of sequence demonstration while school is in session on April 24, 2001, at 9:00 A.M. School buses will start loading school children at about 9:30 A.M. The school, that is selected for demonstration is Monticello Middle School located at 302 Washington Street, Monticello, MN 55362. Phone number is 763-271-0350.

Extent of Play

The FEMA evaluator is to meet with the principal of the Monticello Middle School and the superintendent of Monticello School District who will be at the Middle School to answer questions from the evaluator. A bus company representative will also be on hand to answer questions. The phone calls to notify the school will be discussed and what each person's job is after receiving the calls. The evaluator will be able to go to one classroom and listen to the teacher give instructions to the students in that class. When notified, the class with the teacher will go outside to the waiting school buses and board at the same time all the classes will be boarding the buses. After all school children are on the buses, they will be dismissed back to their classrooms. The evaluator will be able to question a bus driver at this time.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

This objective will be demonstrated in conjunction with Objective 10. The deputy sheriff demonstrating route alerting will demonstrate this objective. Following the demonstration of the route, the deputy will proceed to a pre-determined roadblock. No barricade will actually be placed on the road. An evaluator will conduct a procedural interview.

OBJECTIVE 18: RECEPTION CENTER - MONITORING, DECONTAMINATION AND REGISTRATION

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

Is a State objective and not applicable to Wright County.

OBJECTIVE 19: CONGREGATE CARE

Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

Is a State objective and not applicable to Wright County.

OBJECTIVE 20: MEDICAL SERVICES - TRANSPORTATION

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

Is a State objective and not applicable to Wright County.

OBJECTIVE 21: MEDICAL SERVICES - FACILITIES

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

Is a State objective and not applicable to Wright County.

OBJECTIVE 22: EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES - MONITORING AND DECONTAMINATION

Is not selected for demonstration for this exercise by Wright County.

OBJECTIVE 23: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)

Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

Is a State objective and not applicable to Wright County.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume.

Is a State objective and not applicable to Wright County.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

Is a State objective and not applicable to Wright County.

OBJECTIVE 26: INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING

Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions.

Is a State objective and not applicable to Wright County.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION

Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

Is not selected for demonstration during this exercise.

OBJECTIVE 28: RELOCATION, RE-ENTRY, AND RETURN - DECISION MAKING

Demonstrate the capability to develop decisions on relocation, re-entry, and return.

Is a State objective and not applicable to Wright County.

OBJECTIVE 29: RELOCATION, RE-ENTRY, AND RETURN - IMPLEMENTATION

Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return.

Is not selected for demonstration during this exercise.

OBJECTIVE 30: CONTINUOUS, 24 HOUR STAFFING

Demonstrate the capability to maintain staffing on a continuous, 24 hour basis through an actual shift change.

This objective will be demonstrated by a shift change of key staff (as identified in the county plan) in the Wright County EOC.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide offsite support for the evacuation of onsite personnel.

This objective has not been selected for demonstration for this exercise.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

This objective has not been selected for demonstration for this exercise.

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

This objective has not been selected for demonstration for this exercise.

APPENDIX 4

EXERCISE SCENARIO

This appendix contains a summary of the simulated sequence of events that was used as the basis for invoking emergency response actions by OROs in the Monticello Nuclear Generating Plant exercise on June 6, 2001.

This exercise scenario was submitted by the State of Minnesota and approved by FEMA Region V on May 3, 2001.

During the exercise, controllers from the State of Minnesota gave "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 response actions by OROs.

The following is the June 6 Monticello Nuclear Generating Plant exercise timeline for the State of Minnesota, Wright and Sherburne Counties. All time intervals are approximate.

Initial Conditions: The unit was shutdown for a re-fueling outage on June 4 and is currently in a cold shutdown status. Winds are calm from the southwest at 2-4 mph. Temperature is 75 degrees with afternoon temperatures forecasted to be in the mid to high 80's with high humidity. There is a 50% chance of mid-morning and afternoon scattered thunderstorms developing.

Time Interval Comments

~0815 An ALERT is declared by Monticello

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, message forms, logs, etc. distributed
 - Communication links established and maintained throughout the exercise
 - Assembled EOC personnel briefed, with additional briefings held periodically throughout the exercise
3. Radiological Accident Deployment (RAD) teams and Team Captain respond to Maple Grove Station #2. From there, they will be dispatched to affected areas. Maple Grove Command Van mobilized.
4. Department of Natural Resources Emergency Coordinating Center (ECC) activated (simulated).
5. Local and state first responders are put on standby.
6. Joint Public Information Center (JPIC) is activated.
 - Public Information Officers (PIOs) notified
 - JPIC displays and media information kits arranged.
 - JPIC Security and Moderator report to media briefing room (444 Cedar Street)
 - Initial JPIC Management Team meeting
 - Initial news briefing conducted by DEM Director
 - Preparation and issue of Public Information Bulletins and news releases will continue until the termination of the exercise.
7. Emergency Worker Decontamination Centers are activated (disconnected demonstration).

~0920

SITE AREA EMERGENCY declared

1. EOC and field staffs are notified of the classification upgrade.
 - State EOC, JPIC
 - Wright and Sherburne County EOCs
 - RAD Teams
 - Decontamination Centers
2. Reception Center is activated (simulated now, disconnected demonstration).
3. Congregate Care Center is activated (simulated now, disconnected demonstration))
4. Monticello and Big Lake schools are evacuated, if in session (simulated).
5. MDA and DNR field sampling teams put on standby (simulated).
6. Governor advised in incident status. "State of Emergency" recommended by State Incident Manager.
8. "State of Emergency" declared by Governor.
9. Dairy animals placed on covered water and stored feed.

~1015

GENERAL EMERGENCY declared

1. EOC and field staffs are notified of the classification upgrade.
 - State EOC, JPIC
 - Wright and Sherburne County EOCs
 - RAD Teams
 - Decontamination Centers
2. Minnesota's default protective action recommendation (PAR)(evacuate 2 miles 360° and 5 miles, 3 sectors downwind) will be recommended by the Planning Chief to the State Incident Manager.
3. When PARs are approved, the Public Alert and Notification Systems (PANS) will be implemented. The EAS system will be activated and sirens sounded (simulated). Exception area route

alerting (counties) and transient warning (state) will be demonstrated.

4. As PARs are recommended, necessary traffic control points are activated for evacuee traffic flow and to restrict incoming traffic.
5. RAD teams are in the field monitoring radiation levels and reporting to planning and assessment staff in State EOC.
6. All emergency response organizations fully activated.
7. Media briefings continue until termination.

~1120 Wind Conditions change. Wind is now from the west at 3-5 mph.

1. EOC and field staffs are notified.
2. Planning Chief recommends second PAR to State Incident Manager.
3. When PARs are approved, the Public Alert and Notification Systems (PANS) will be implemented. The EAS system will be activated and sirens sounded (simulated).

~1225 The offsite release has ended and the plant exercise is terminated.