



Federal Emergency Management Agency
 Region V
 536 South Clark Street, 6th Floor
 Chicago, IL 60605-1521

January 8, 2001

EMERGENCY ROUTING			
First	Second	Third	Fourth
FEMA	BO		
DEA	RA		
DRP	SCA		
DRS			
DNMS	PAG		
DRWA			
FILE			

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

*Bob,
 please prepare
 transmittal letter
 by 1/26/01.
 Gary*

Dear Mr. Dyer:

Enclosed is one copy of the Final Report for the September 13, 2000 Plume Radiological Emergency Preparedness Exercise for the Prairie Island Nuclear Generating Plant. There were no Deficiencies for any jurisdiction. There were two Areas Requiring Corrective Action (ARCA) for the State of Minnesota, one ARCA for the State of Wisconsin, and one ARCA for Pierce County. Two ARCA for the State of Minnesota from a previous exercise were corrected and one ARCA for Pierce County from a previous exercise was corrected.

Copies of the report have been forwarded to the States of Minnesota and Wisconsin, FEMA Headquarters, and Headquarters, 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,

Janet M. Odeshoo
 Janet M. Odeshoo
 Acting Regional Director

Enclosure



Final Exercise Report

Prairie Island Nuclear Generating Plant

Licensee: Northern States Power

Exercise Date: September 13, 2000

Report Date: January 4, 2001

**FEDERAL EMERGENCY MANAGEMENT AGENCY
REGION V
536 S. Clark Street, 6th Floor
Chicago, IL 60605**

TABLE OF CONTENTS

		PAGE
I	EXECUTIVE SUMMARY	1
II	INTRODUCTION.....	3
III	EXERCISE OVERVIEW	5
	A. Plume Emergency Planning Zone Description	5
	B. Exercise Participants	6
	C. Exercise Timeline	8
IV	EXERCISE EVALUATION AND RESULTS	10
	A. Summary Results of Exercise Evaluation	10
	B. Status of Jurisdiction Evaluated	15
	1 STATE OF MINNESOTA	17
	1.1 Emergency Operations Center	17
	1.2 Initial Notification Point	17
	1.3 Planning and Assessment Center	18
	1.4 Joint Public Information Center	18
	1.5 Rumor Control	18
	1.6 Media Briefing Room	19
	1.7 Field Command Post	19
	1.8 State RAD Field Team # 1	19
	1.9 State RAD Field Team # 2	21
	1.10 Congregate Care Center	21
	1.11 Reception Center - Evacuee Monitoring/ Decontamination Center	21
	1.12 Medical Services - Facilities	22
	1.13 Medical Services Transportation	22
	2 RISK JURISDICTIONS	23
	2.1 Dakota County	23
	2.1.1 Emergency Operations Center	23
	2.1.2 Initial Warning Point	23
	2.1.3 Traffic and Access Control	23

2.1.4	Media Briefing	24
2.1.5	Rumor Control (at JPIC)	24
2.1.6	Joint Public Information Center - County PIO	24
2.1.7	Route Alerting in Exception Areas	25
2.1.8	National Guard Helicopter (Recreational Areas)	25
2.2	Goodhue County	25
2.2.1	Emergency Operations Center	25
2.2.2	Initial Warning Point	26
2.2.3	Media Briefing	26
2.2.4	Joint Public Information Center - County PIO	26
2.2.5	Rumor Control (at JPIC)	27
2.2.6	Traffic and Access Control	27
2.2.7	Route Alerting in Exception Areas	27
2.2.8	Emergency Worker Vehicle Monitoring/Deconning	28
3	STATE OF WISCONSIN	28
3.1	Emergency Operations Center	28
3.2	Initial Warning Point	29
3.3	Accident Assessment Center	29
3.4	Forward Operation Center	29
3.5	Joint Public Information Center	30
3.6	Media	30
3.7	Rumor Control (at JPIC)	30
3.8	State Field Team # 1	31
3.9	State Field Team # 2	31
3.10	Emergency Worker Vehicle Monitor/Deconning	31
3.11	Reception Center - Evacuee Monitoring/Decontamination Center	32
3.12	Medical Services - Facility	32
4	RISK JURISDICTION	32
4.1	Pierce County	32
4.1.1	Emergency Operations Center	32
4.1.2	Sheriff's Warning Point	33
4.1.3	Traffic and Access Control Point	33
4.1.4	Joint Public Information Center - County PIO	33
4.1.5	Media Briefing (at JPIC)	34
4.1.6	Rumor Control (at JPIC)	34
4.1.7	Route Alerting in Exception Areas	34
4.1.8	Congregate Care Center	35
4.1.9	Medical Services - Transportation	35
4.1.10	Reception Center - Registration/Decontamination Center	36
4.1.11	Implementation of Protective Action Schools - (EV2)	36

LIST OF APPENDICES

		PAGE
APPENDIX 1	--- ACRONYMS AND ABBREVIATIONS	37
APPENDIX 2	--- EXERCISE EVALUATORS AND TEAM LEADERS	40
APPENDIX 3	--- EXERCISE OBJECTIVES AND EXTENT-OF-PLAY AGREEMENT	44
APPENDIX 4	--- EXERCISE SCENARIO	85

LIST OF TABLES

	PAGE
TABLE 1 --- EXERCISE TIMELINE	9
TABLE 2 --- SUMMARY RESULTS OF THE 2000 EXERCISE EVALUATION	11

I. EXECUTIVE SUMMARY

On September 13, 2000, an exercise was conducted in the plume exposure pathway emergency planning zones (EPZ) around the Prairie Island Nuclear Generating Plant. 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 Federal Emergency Management Agency's (FEMA) policies and guidance concerning the exercise of State and local Radiological Emergency Response Plans (RERP's) and procedures.

The most recent exercise at this site was conducted on July 21 - 22, 1998. The qualifying emergency preparedness exercise was conducted on December 8, 1981.

FEMA wishes to acknowledge the efforts of the many individuals in the State of Minnesota, Goodhue, and Dakota counties, the State of Wisconsin and Pierce County who participated in the exercise.

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

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

Minnesota	Congregate Care; Reception Center – Evacuee/Vehicle Monitoring, Decontamination, and Registration; Medical Services – Facilities; Medical Services – Transportation;
Dakota County	Not Applicable
Goodhue County	Emergency Workers Vehicle Monitoring/Decontamination;
Wisconsin	Emergency Workers Vehicle Monitoring/Decontamination; Reception Center – Evacuation Monitoring/Decontamination; Medical Services – Facilities;
Pierce County	Congregate Care Center; Medical Services – Transportation; Reception Center – Registration; Implementation of Protective Action – 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 were identified during this exercise. Four Areas Requiring Corrective Action (two for the State of Minnesota, one for the State of Wisconsin, and one for Pierce County) were identified during this exercise. There were three prior issues (two for the State of Minnesota and one for Pierce County). All prior issues were resolved during this exercise.

II. INTRODUCTION

On December 7, 1979, the President directed FEMA to assume the lead responsibility for all off-site 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 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 Generating plants. This approval is contingent, in part, on State and local government participation in joint exercises with licensees.

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

- Taking the lead in off-site 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 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, dated September 14, 1993).
- 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
 - U.S. Nuclear Regulatory Commission

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 Prairie Island Nuclear Generating Plant to FEMA Region V by the State of Minnesota, the State of Wisconsin, and involved local jurisdictions occurred on December 4, 1981 and April 4, 1984, respectively. Formal approval of these RERPs was granted by FEMA to the State of Minnesota during September 1985 and to the State of Wisconsin during May 1985, under 44 CFR 350.

A REP exercise was conducted on September 13, 2000 by FEMA Region V to assess the capabilities of State and local offsite emergency preparedness organizations in implementing their RERPs and procedures to protect the public health and safety during a radiological emergency involving the Prairie Island Nuclear Generating Plant. The purpose of this exercise report is to present the exercise results and findings on the performance of the offsite response organizations (ORO) during a simulated radiological emergency.

The findings presented in this report are based on the evaluations of the Federal evaluator 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 Generating 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 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. This section also contains: (1) descriptions of all Deficiencies and ARCAs assessed during this exercise, recommended corrective actions, and the State and local governments' schedule of corrective actions for each identified exercise issue; and (2) descriptions of unresolved ARCAs assessed during previous exercises and the status of the OROs' efforts to resolve them.

III. EXERCISE OVERVIEW

Contained in this section are data and basic information relevant to the September 13, 2000 exercise to test the off-site emergency response capabilities in the area surrounding the Prairie Island Nuclear Generating Plant. This section of the exercise report includes a description of the 10-mile plume pathway EPZ, a listing of all participating jurisdictions and functional entities that were evaluated, and a tabular presentation of the time of actual occurrence of key exercise events and activities.

A. Plume Emergency Planning Zone Description

The Northern States Power Company owns the Prairie Island Nuclear Generating Plant. The station consists of two pressurized water reactors (Units 1 and 2); both rated at 560 megawatts (MW). The operating licenses for the facility were granted in August 1973 (Unit 1) and October 1974 (Unit 2). Commercial operations began at the site during December 1973 (Unit 1) and December 1974 (Unit 2).

The plant site consists of approximately 560 acres located in the City of Red Wing (1997 population: 15,550) on the west bank of the Mississippi River in Goodhue County, Minnesota. The latitude of the site is 44° 37'3" north and the longitude is 92° 37'9" west. The property is level to slightly rolling. The site elevation ranges from 675 to 706 feet above mean sea level (msl). The Mississippi River flows from northeast to southwest through the 10-mile EPZ. Steep bluffs surround the river, rising to more than 1,000 feet above msl about 1½ miles northeast and southwest of the site. The Vermilion River flows northwest to southeast.

The total plume pathway EPZ population is 27,757 (1997 NSP data). The nearest large population centers are St. Paul, Minnesota (1990 population 21,325), 26 miles northwest of the site; Minneapolis-St. Paul, Minnesota (2,365,200), 30 miles northwest; Rochester, Minnesota (57,855), 41 miles south; and Eau Claire, Wisconsin (51,000), 55 miles east-northeast.

Goodhue County, in which the site is located, and the adjacent counties (Dakota in Minnesota and Pierce in Wisconsin) are predominately rural. Located within 2 miles of the site, however, is a Native-American-owned gambling casino, the Treasure Island Casino, which has an average daily attendance of 2,000-3,000 persons. The remaining land within a 10-mile radius of the site is almost exclusively agricultural.

B. Exercise Participants

The following agencies, organizations, and units of government participated in the Prairie Island Nuclear Generating Plant exercise on September 13, 2000.

STATE OF MINNESOTA

Minnesota Department of Agriculture
Minnesota Department of Health
Minnesota Department of Human Services
Minnesota Department of Natural Resources
Minnesota Department of Public Safety
Minnesota Department of Transportation
Minnesota Duty Officer
Minnesota Emergency Management Agency
Minnesota Highway Patrol
Minnesota National Guard (Cottage Grove)

STATE OF WISCONSIN

Wisconsin Army National Guard
Wisconsin Department of Agriculture
Wisconsin Department of Human Services
Wisconsin Department of Public Health
Wisconsin Department of Natural Resources
Wisconsin Department of Transportation
Wisconsin Emergency Management Agency

RISK JURISDICTIONS

STATE OF MINNESOTA

GOODHUE COUNTY

Goodhue County Agriculture Department
Goodhue County Commissioner's Office
Goodhue County Emergency Management Agency
Goodhue County Engineer
Goodhue County Health Department
Goodhue County Human Services Department
Goodhue County Law Enforcement
Goodhue County Sheriff's Department
Red Wing Fire Department
Red Wing Public Works

DAKOTA COUNTY

Dakota County Agriculture Department
Dakota County Commissioner's Office
Dakota County Emergency Management Agency
Dakota County Fire Department
Dakota County Health Department
Dakota County Human Services Department
Dakota County Law Enforcement Center
Dakota County Sheriff's Department
Hastings Public Works Department

STATE OF WISCONSIN

PIERCE COUNTY

Pierce County Agriculture Department
Pierce County Commissioner's Office
Pierce County Emergency Management Agency
Pierce County Fire Department
Pierce County Highway Department
Pierce County Human Services Department
Pierce County Law Enforcement Center
Pierce County Public Health Department
Pierce County Sheriff's Department

PRIVATE/VOLUNTEER ORGANIZATIONS

American Red Cross
Elmwood Ambulance Service
Radio Amateur Civil Emergency Service
South Washington County Ambulance Service

C. Exercise Timeline

Table 1, on the following page, presents the times at which key events and activities occurred during the Prairie Island Nuclear Generating Plant plume pathway exposure exercise on September 13, 2000. Also included are times that notifications were made to the participating jurisdictions/functional entities.

TABLE 1. Exercise Timeline

DATE AND SITE: September 13, 2000 (Prairie Island Nuclear Generating Plant)

Emergency Classification Level or Event	Time Utility Declared	Time That Notification Was Received or Action Was Taken					
		MINNESOTA STATE EOC	DAKOTA COUNTY EOC	GOODHUE COUNTY EOC	WISCONSIN STATE EOC	PIERCE COUNTY EOC	JOINT PUBLIC INFORMATION CENTER
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0753	0757	0815	0757	0805	0807	N/A
Site Area Emergency	0908	0921	0925	0925	0921	0921	0915
General Emergency	1011	1015	1032	1032	1022	1032	1015
Sim Radiation Release Started	1016	1032	1112	1048	1018	1050	1032
Sim Radiation Release Terminated:	1300	1300	1300	1305	1300	1305	1308
Facility Declared Operational		0829	0845	0830	0850	0830	0915
Declaration State of Emergency		0930	1015	1000	1027	1027	0930
Exercise Terminated		1300	1308	1307	1312	1305	1308
1st Early Precautionary Action Decision: Wi First Notice Advisory, State EOC Activation Listen to Radio and TV Stations		N/A	N/A	N/A	0922	N/A	N/A
1st Early Precautionary Action Decision - Mn: Animals on Stored Feed and Water-Shelter Livestock in AG-PA 10-Mile EPZ - Evacuate School Children		0928	0930	0930	N/A	N/A	0928
1st Early Precautionary Action Decision - Goodhue County: Evacuation of Mentally Impaired Population		N/A	N/A	0940	N/A	N/A	N/A
2nd Early Precautionary Action Decision - Wi: Animals on Stored Feed and Water-Shelter Livestock in 10-Mile EPZ, Evacuate Schools		N/A	N/A	N/A	0945	N/A	N/A
1st Protective Action Decision: Shelter: N/A Evacuate: 0-2 MI Radius, 360 degrees & Sub-areas 5W, 5N, 5E		1038	1040	1040	1040	1038	1038
1st Siren Activation		N/A	1052	1052	N/A	1052	N/A
1st EAS Message		1052	N/A	N/A	N/A	N/A	N/A
2nd Protective Action: Shelter: N/A Evacuate: Sub-area 5S		1202	1208	1208	N/A	N/A	N/A
2nd Siren Activation		N/A	1216	1216	N/A	N/A	N/A
2nd EAS Message		1216	N/A	N/A	N/A	N/A	N/A
KI Administration Decision: Administer:		1040	1050	1119	1049	1049	N/A

6

IV. 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 September 13, 2000 exercise to test the off-site emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the Prairie Island Nuclear Generating Plant.

Each jurisdiction and functional entity was evaluated based on its demonstration of criteria delineated 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

The matrix presented in Table 2, on the following page(s), presents the status of all exercise objectives from FEMA-REP-14 that 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 are indicated by the use of the following letters:

- M – Met (No Deficiency or ARCAs assessed and no unresolved ARCAs from prior exercises)
- D – Deficiency/(ies) assessed
- A – ARCA(s) assessed or unresolved ARCA(s) from prior exercise(s)
- N – Not Demonstrated (Reason explained in Section IV.B.)
- Blank – Not scheduled for demonstration

TABLE 2 - Summary Results of 2000 Exercise Evaluation

Date and Site: September 13, 2000 (Prairie Island 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																																			
Emergency Operations Center	M	M	M	M					M	M	A																								
Initial Notification Point	M																																		
Planning & Assessment Center			M	M	M		M		M					M																					
Joint Public Information Center		M		M								M																							
Rumor Control													M																						
Media Briefing Room												M																							
Field Team Command Van		M	M	M	M									M																					
State RAD Field Team # 1				M	M			M						M																					
State RAD Field Team # 2				M	M	M								M																					
Congregate Care Center																				M															
Reception Center Monitoring/Decon Vehicle Monitoring/Decontamination Registration					A														M																
Medical Services - Facilities (Regions Hospital)					M																M														
Medical Services - Transportation (South County Ambulance Service)					M																M														

11

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 2000 Exercise Evaluation

Date and Site: September 13, 2000 (Prairie Island 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>Dakota County</u>																																				
Emergency Operations Center	M	M	M	M	M					M				M																		M				
Initial Warning Point	M																																			
Traffic and Access Control					M									M			M																			
Media Briefing													M																							
Rumor Control (at JPIC)														M																						
Joint Public Information Center - County PIO													M																							
Route Alerting in Exception Areas					M					M				M																						
National Guard Helicopter (Recreational Areas)					M					M				M																						
<u>Goodhue County</u>																																				
Emergency Operations Center	M	M	M	M	M					M				M	M																					
Initial Warning Point	M																																			
Media Briefing													M																							
Joint Public Information Center - County PIO													M																							
Rumor Control (at JPIC)														M																						
Traffic and Access Control					M									M			M																			
Route Alerting in Exception Areas					M					M				M																						
Emergency Worker Vehicle Monitoring/Deconning (Red Wing City Fire Department)					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

13

TABLE 2 - Summary Results of 2000 Exercise Evaluation

Date and Site: September 13, 2000 (Prairie Island 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 WISCONSIN																																				
Emergency Operations Center	M	M	M	M					M	M	A	M																								
Initial Warning Point	M																																			
Accident Assessment Center			M				M		M																											
Forward Operation Center			M	M	M									M																						
Joint Public Information Center		M		M								M																								
Media												M																								
Rumor Control													M																							
State Field Monitoring Team # 1				M	M			M						M																						
State Field Monitoring Team # 2				M	M	M								M																						
Emergency Workers/Vehicle Monitor/Deconning					M																		M													
Reception Center - Monitoring, Decon					M														M																	
Medical Services - Facility (Sacred Heart Hospital)					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

13

TABLE 2 - Summary Results of 2000 Exercise Evaluation

Date and Site: September 13, 2000 (Prairie Island 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 JURISDICTION																																					
<u>PIERCE COUNTY</u>																																					
Emergency Operations Center	M	M	M	M	M					M	M			M	M	M																					
Sheriff's Warning Point	M																																				
Traffic and Access Control					M									M			M																				
Joint Public Information Center - County PIO												M																									
Media Briefing (at JPIC)												M																									
Rumor Control (at JPIC)													M																								
Route Alerting in Exception Areas					M					M				M																							
Congregate Care Center																																					
Medical Services - Transportation (Elmwood Area Ambulance Service)					M																																
Reception Center - Registration Decontamination Center					M																																
Implementation of Protective Action Schools - EV2																	M																				

14

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

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 are definitions 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 was assessed during this exercise. Included are a description of each Deficiency and recommended corrective actions.
- **Area Requiring Corrective Actions** – 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 that were not demonstrated as scheduled during this exercise and the reason(s) they were not demonstrated.
- **Prior Issues – Resolved** – Descriptions of ARCAs assessed during previous exercises that were resolved in this exercise and the corrective actions demonstrated.
- **Prior Issues – Unresolved** – Descriptions of ARCAs assessed during prior exercises that were not resolved in this exercise. Included is the reason the ARCA remains unresolved and recommended corrective actions to be demonstrated before or during the next biennial exercise.

The following are definitions of the two types of exercise issues 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 Generating 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 also expedites tracking of exercise issues on a nationwide basis.

The identifying number of 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 Codes.
- **Exercise Year** – The last two digits of the year the exercise was conducted.
- **Objective Number** – A two-digit number corresponding to the objective numbers in FEMA-REP-14.
- **Issue Classification Identifier** – (D = Deficiency, A = ARCA). Only Deficiencies and ARCAs are included in exercise reports. Plan Issues are reported to the State(s) via a letter from the Regional Director. Therefore, standardized issue numbers are **not** assigned to Plan Issues.
- **Exercise Identification Number** – A separate two- (or three-) digit indexing number, assigned to each issue identified in the exercise.

1. STATE OF MINNESOTA

1.1 Emergency Operations Center

- a. **MET:** Objectives 1, 2, 3, 4, 9, 10
- b. **DEFICIENCY:** NONE
- c. **AREAS REQUIRING CORRECTIVE ACTION:** 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.

Schedule of Corrective Action: All pre-scripted messages have been reviewed for accuracy, changes made where necessary, and distributed accordingly.

- d. **NOT DEMONSTRATED:** NONE
- e. **PRIOR ISSUES – RESOLVED:** NONE
- f. **PRIOR ISSUES – UNRESOLVED:** NONE

1.2 Initial Notification Point

- a. **MET:** Objective 1
- b. **DEFICIENCY:** NONE
- c. **AREAS REQUIRING CORRECTIVE ACTION:** NONE
- d. **NOT DEMONSTRATED:** NONE
- e. **PRIOR ISSUES – RESOLVED:** NONE
- f. **PRIOR ISSUES – UNRESOLVED:** NONE

1.3 Planning and Assessment Center

- a. **MET: Objectives 3, 4, 5, 7, 9, 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 Rumor Control

- a. **MET: Objective 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, 8, 14
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES – RESOLVED: Objectives 5 and 8

Objective 5

Issue No.: 39-99-05-A-01

Description: A radiological field team incorrectly used the true beta value and applied it against the 100 mR/hr-gamma exposure rate turn-back value and subsequently exited the area. Because the gamma value did not exceed the turn back value, exiting the area was not required. (NUREG 0654, N.I.a., REP-14, page D.5-5-16)

Recommend Corrective Action: Provide additional training in the proper procedures for exiting the plume using correct turn-back value.

Corrective Action Demonstrated: Team members were cognizant of the turn back limit (100 mR/hour) and the administrative dose limit (3R). The former was clearly demonstrated when the team entered a 200mR/hour gamma field, immediately turned around, and radioed the Field Team Command Van regarding the level encountered and the action taken.

Objective 8

Issue No.: 39-99-08-A-01

Description: Contrary to the Minnesota Radiological Emergency Preparedness, Radiological Accident Deployment (RAD) Team Standard Operating Procedures, REP-1, Revision 10:5/99, page 12, following completion of airborne radioiodine and particulate sample collection, FMT-1 did not transport the samples to a low background area for initial analysis.

Recommended Corrective Action: Provide additional training in the proper procedures for air sample collection to include sample collection, exiting the plume, and proceeding to a low background area for field measurements. The principal of as Low as Reasonably Achievable (ALARA) should be emphasized. Field monitoring personnel should minimize their exposure to radiation field during the execution of their monitoring and sampling mission. They should be trained to enter the plume, acquire the field measurements, collect samples, and exit the plume as quickly as possible. This includes relocating to a low background area for sample handling and field analysis.

Corrective Action Demonstrated: Minnesota Field Team 1 transported airborne radioiodine and particulate samples to a low background area prior to performing field measurements. In addition, the Team Captain effectively communicated with the team on how samples were to be taken and analyzed in advance of the sample collection process.

f. **PRIOR ISSUES – UNRESOLVED: NONE**

1.9 State RAD Field Team # 2

- a. MET: Objectives 4, 5, 6, 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 Congregate Care Center (Cottage Grove National Guard Armory)

- a. MET: Objective 19
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

1.11 Reception Center-Evacuee Monitoring/Decontamination Center (Cottage Grove National Guard Armory)

- a. MET: Objective 18
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: 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.

Schedule of Corrective Action: Incorporate requirement to annually perform dosimeter leak checking tests in Minnesota REP instrument maintenance policy and to include them in the Reception Center Standard Operating Procedures. Train individuals responsible for the maintenance of this equipment. Re-demonstrate this objective at the Osseo Reception Center during the out-of-sequence demonstration scheduled during the June 6, 2001 Monticello Exercise.

- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES – UNRESOLVED: NONE**

1.12 Medical Services – Facility

- a. **MET: Objectives 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**

1.13 Medical Services - Transportation (South Washington County Ambulance Service)

- a. **MET: Objectives 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**

2. RISK JURISDICTIONS

2.1 DAKOTA COUNTY

2.1.1 Emergency Operations Center

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

2.1.2 Initial Warning Point

- a. **MET: Objective 1**
- 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 Traffic and Access Control

- a. **MET: Objectives 5, 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**

2.1.4 Media Briefing

- 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**

2.1.5 Rumor Control (at JPIC)

- a. **MET: Objective 13**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES – UNRESOLVED: NONE**

2.1.6 Joint Public Information Center – County PIO

- 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**

2.1.7 Route Alerting in Exception Areas

- a. **MET: Objectives 5, 10, 14**
- 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 National Guard Helicopter (Recreational Areas)

- a. **MET: Objectives 5, 10, 14**
- 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 GOODHUE COUNTY

2.2.1 Emergency Operations Center

- a. **MET: Objectives 1, 2, 3, 4, 5, 10, 14, 15**
- 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 Initial Warning Point

- a. **MET: Objective 1**
- 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: 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**

2.2.4 Joint Public Information Center – County PIO

- 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**

2.2.5 Rumor Control (at JPIC)

- a. **MET: Objective 13**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES – UNRESOLVED: NONE**

2.2.6 Traffic and Access Control

- a. **MET: Objectives 5, 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**

2.2.7 Route Alerting in Exception Areas

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

2.2.8 Emergency Worker Monitoring/Decontamination Center (Red Wing Fire Department)

- a. MET: Objective 5, 10, 14, 22
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3. STATE OF WISCONSIN

3.1 Emergency Operations Center

- a. MET: Objectives 1, 2, 3, 4, 9, 10, 12
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: Objective 11

Issue No: 50-00-A-11-03

Description: As a result of the incomplete information in the Emergency Alert System (EAS) Message #13 (Trenton Township west of US Highway 63 being omitted), the Wisconsin Emergency Operations Center (EOC) did not: accurately reflect protective action decisions; confirm them correctly to Pierce County and the JPIC for dissemination to the public in accordance with the extent-of-play agreement (NUREG-0654: E.7.11.4).

Recommendation: Correct and distribute revised pre-scripted EAS Message #13 to include the appropriate section of Trenton Township west of US Highway 63.

Schedule of Corrective Action: All pre-scripted messages have been reviewed for accuracy, changes made where necessary by the State of Minnesota, and distributed to the State of Wisconsin.

- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.2 Initial Warning Point

- a. MET: Objective 1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3 Accident Assessment Center

- a. MET: Objectives 3, 7, 9
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.4 Forward Operation Center

- a. MET: Objectives 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**

3.5 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**

3.6 Media

- 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**

3.7 Rumor Control (at JPIC)

- a. **MET: Objective 13**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- c. **PRIOR ISSUES – RESOLVED: NONE**

f. **PRIOR ISSUES – UNRESOLVED: NONE**

3.8 State Field Monitoring Team # 1

a. **MET: Objectives 4, 5, 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**

3.9 State Field Monitoring Team # 2

a. **MET: Objectives 4, 5, 6, 14**

b. **DEFICIENCY: NONE**

c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**

d. **NOT DEMONSTRATED: NONE**

e. **PRIOR ISSUES – RESOLVED: NONE**

f. **PRIOR ISSUES – UNRESOLVED: NONE**

3.10 Emergency Worker Vehicle Monitor/Deconning

a. **MET: Objectives 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**

**3.11 Reception Center – Evacuee monitoring/Decontamination Center
(Elmwood High School)**

- a. MET: Objectives 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

3.12 Medical Services – Facility (Sacred Heart Hospital)

- a. MET: Objectives 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

4. RISK JURISDICTION

4.1 PIERCE COUNTY

4.1.1 Emergency Operations Center

- a. MET: Objectives 1, 2, 3, 4, 5, 10, 11, 14, 15, 16
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE

- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES – UNRESOLVED: NONE**

4.1.2 Sheriff's Warning Point

- a. **MET: Objective 1**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES – UNRESOLVED: NONE**

4.1.3 Traffic and Access Control

- a. **MET: Objectives 5, 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**

4.1.4 Joint Public Information Center – County PIO

- 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**

4.1.5 Media Briefing (at JPIC)

- 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**

4.1.6 Rumor Control (at JPIC)

- a. **MET: Objective 13**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES – UNRESOLVED: NONE**

4.1.7 Route Alerting in Exception Areas

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

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

4.1.8 Congregate Care Center

- a. **MET: Objective 19**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ISSUES – RESOLVED: NONE**
- f. **PRIOR ISSUES UN-RESOLVED: NONE**

4.1.9 Medical Services – Transportation (Elmwood Area Ambulance Service)

- a. **MET: Objective 5**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: Objective 20**

Issue No.: 50-00-20-A-04

Description: The ambulance crew who had handled the patient did not have a storage bag available for the disposal of contaminated items. The contaminated gloves were discarded on the lid of a trashcan lying on the floor. (NUREG-0654 L.1.3.)

Recommended Corrective Action: A marked storage bag or container should be available and used by ambulance staff to discard contaminated and potentially contaminated items.

Schedule of Corrective Action: Future training with EMS staff has been scheduled that will stress the importance of proper disposal of contaminated articles. Sufficient marked containers for the disposal of contaminated articles will also be made available for EMS staff members. This objective will be re-demonstrated during the next Prairie Island Nuclear Generating Plant exercise scheduled for calendar year 2002.

- d. **NOT DEMONSTRATED: NONE**

- e. **PRIOR ISSUES – RESOLVED:** Objective 20

Issue No: 50-98-20-A-01

Description: The ambulance crew did not change gloves to minimize the spread of contamination while receiving and handling the contaminated patient.

Corrective Action Demonstrated: The ambulance crew demonstrated proper contamination control measures while handling the patient. The crew changed gloves after handling the patient.

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

4.1.10 Reception Center – Registration/Decontamination Center

- a. **MET:** Objectives 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

4.1.11 Implementation of Protective Action – Schools (EV2)

- a. **MET:** Objective 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
AAC	Accident Assessment Center
AMS	Aerial Monitoring System
ANL	Argonne National Laboratory
ARCA	Area Requiring Corrective Action
CFR	Code of Federal Regulations
cpm	counts per minute
DHFS-RPU	Department of Health and Family Services-Radiological Protection Unit
DHS	Minnesota Department of Human Services
DMIMS	Digital Metal Impact Measuring System
DNR	Department of Natural Resources (State of Minnesota)
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation (Federal Highway Administration)
EAL	Emergency Action Level
EAS	Emergency Alerting System
EBS	Emergency Broadcast System
ECCS	Emergency Core Cooling System
ECL	Emergency Classification Level
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPA	U.S. Environmental Protection Agency
EPZ	Emergency Planning Zone
ERCS	Emergency Reactor Coolant System
FDA	U.S. Food and Drug Administration
FEMA	Federal Emergency Management Agency
FOC	Forward Operating Center
FRMAC	Federal Radiological Monitoring and Assessment Center
gpm	gallons per minute
INEL	Idaho National Engineering Laboratory
JPIC	Joint Public Information Center
KI	Potassium Iodide

MDA	Minnesota Department of Agriculture
MDO	Minnesota Duty Officer
mph	miles per hour
mR/hr	milliRoentgen per hour
MRL	Mobile Radiological Laboratory
msl	mean sea level
MW	Megawatts
NOAA	National Oceanic and Atmospheric Administration
NRC	U.S. Nuclear Regulatory Commission
NSP	Northern States Power
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 Generating Plants</i> , November 1980
OIC	Officer-In-Charge
ORO	Offsite Response Organization
PAC	Planning and Assessment Center
PAD	Protective Action Decision
PAG	Protective Action Guidelines
PANS	Public Alert and Notification System
PAR	Protective Action Recommendation
PIO	Public Information Officer
ppm	parts per million
R	Roentgen
R/hr	Roentgen per hour
RAC	Regional Assistance Committee
RACES	Radio Amateur Civil Emergency Service
RAD	Radiological Accident Deployment
RAP	Radiological Assistance Program
RASCAL	Radiological Assessment System for Consequence Analysis
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
REA	Radiation Emergency Area
rem	Roentgen Equivalent Man
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan

SFP	Spent Fuel Pool
SG	Steam Generator
SI	Safety Injection
SRC	State Radiological Coordinator
SSI	SSI Services, Inc.
TL	Team Leader
TLD	Thermoluminescent Dosimeter
TSC	Technical Support Center
USDA	U.S. Department of Agriculture
WRIRP	Wisconsin Radiological Incident Response Plan

APPENDIX 2

EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel who evaluated the Prairie Island Nuclear Generating Plant exercise on September 13, 2000. "TL" indicates evaluator Team Leaders after their organization's names. The organization each evaluator represents is indicated by the following abbreviations:

ANL	Argonne National Laboratory
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FDA	U.S. Food and Drug Administration
FEMA	Federal Emergency Management Agency
HQ, FEMA	Headquarters, Federal Emergency Management Agency
NRC	U.S. Nuclear Regulatory Commission
USDA	U.S. Department of Agriculture

	<u>NAME</u>	<u>ORGANIZATION</u>
RAC Chairperson	Woody Curtis	FEMA
Exercise Director	William King	FEMA

1. Biennial Plume Exercise – September 13, 2000

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
------------------------	------------------	---------------------

STATE OF MINNESOTA

Emergency Operations Center	Gary Naskrent – T/L	FEMA
	Joe Austin	ANL
Initial Notification Point	Gary Naskrent	FEMA
Planning and Assessment Center	Richard Grundstrom	ANL
Joint Public Information Center	Rebecca Thomson	ANL
Rumor Control	Pat Tenorio	HQ, FEMA
Media Briefing Room	Pat Tenorio	HQ, FEMA
Field Team Command Van	Ron Graham	USDA
State RAD Field Team # 1	Roland Lickus	NRC
State RAD Field Team # 2	Larry Jensen	EPA
Congregate Care Center	Pat Tenorio	HQ, FEMA

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Reception Center Evacuee Monitoring/Decontamination Center	Joe Austin	ANL
Medical Services – Facilities	Ron Graham	USDA
Medical Services – Transportation	Richard Grundstrom	ANL
	John Flynn	ANL
	John Flynn	ANL

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
------------------------	------------------	---------------------

DAKOTA COUNTY

Emergency Operations Center	Bruce Pfaff – T/L	FEMA
Initial Warning Point	Bill Lueders	ANL
Media Briefing	Bruce Pfaff	FEMA
Rumor Control	Pat Tenorio	HQ, FEMA
Joint Public Information Center	Pat Tenorio	HQ, FEMA
Traffic and Access Control	Rebecca Thomson	ANL
National Guard Helicopter	Sandy Bailey	ANL
Route Alerting in Exception Areas	Sandy Bailey	ANL

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
------------------------	------------------	---------------------

GOODHUE COUNTY

Emergency Operations Center	Clint Crackel – T/L	FEMA
Initial Warning Point	Clint Crackel	FEMA
Media Briefing	Gerald Jacobson	ANL
Rumor Control	Pat Tenorio	HQ, FEMA
Joint Public Information Center	Rebecca Thomson	ANL
Traffic and Access Control	Les Poch	ANL
Route Alerting in Exception Areas	Les Poch	ANL

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Emergency Worker Vehicle Monitoring/Deconning	Clint Crackel	FEMA

STATE OF WISCONSIN

Emergency Operations Center	Terri Connors-Murphy – T/L Roy Smith – Alt T/L	FEMA ANL
Initial Warning Point	Terri Connors – Murphy	FEMA
Accident Assessment Room	Bernie Hannah	ANL
Forward Operation Center	Christine Van Horn	DOE
Joint Public Information Center	Rebecca Thomson	ANL
Media	Pat Tenorio	HQ, FEMA
Rumor Control	Pat Tenorio	HQ, FEMA
State Field Monitoring Team # 1	Kevin Flynn	ANL
State Field Monitoring Team # 2	Traci Green	ANL
Emergency Workers/Vehicle Monitor/Deconning	Gary Naskrent	FEMA
Reception Center Evacuee Monitoring/Decontamination Center	Christine Van Horn	DOE
Medical Services – Facilities	Christine Van Horn	DOE

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
------------------------	------------------	---------------------

PIERCE COUNTY

Emergency Operations Center	Cleven Lloyd – T/L John Flynn	FEMA ANL
Sheriff's Warning Point	Cleven Lloyd	FEMA
Media	Pat Tenorio	HQ, FEMA
Rumor Control	Pat Tenorio	HQ, FEMA
Joint Public Information Center	Rebecca Thomson	ANL
Traffic and Access Control	Sue Ann Curtis	ANL

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Route Alerting in Exception Areas	Sue Ann Curtis	ANL
Congregate Care Center	Gerald Jacobson	ANL
Medical Services – Transportation	Carl McCoy	ANL
Reception Center – Registration Decontamination Center	Gary Naskrent	FEMA
Implementation of Protective Action Schools – EV2	Carl McCoy	ANL

APPENDIX 3

EXERCISE OBJECTIVES AND EXTENT-OF-PLAY AGREEMENT

This appendix lists the exercise objectives that were scheduled for demonstration in the Prairie Island Nuclear Generating Plant exercise on September 13, 2000 and the off-site extent-of-play agreement approved by FEMA Region V on July 19, 2000 for the State of Minnesota and on July 26, 2000 for the State of Wisconsin.

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 Generating Plants*, November 1980.

Because the exercise objectives are intended for use at all Nuclear Generating plant sites, and because of variations among off-site 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.

A. Exercise Objectives and Extent-of-Play Agreement

Listed below are the specific REP objectives scheduled for demonstration during these exercises.

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 and pager. The State EOC is located at 444 Cedar Street, Suite 223, St. Paul. The State will pre-position, due to long travel time, Liaisons (State Regional Program Coordinators in the Goodhue and Dakota County EOC's).

Fire command van will serve as a field command post and will relocate as determined by the scenario.

Joint Public Information Center (JPIC)

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 the Hastings Armory parking lot, 3050 Red Wing Blvd., Hastings. 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, St. Paul, Minnesota.

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, JPIC, and the field team communications 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.

Decisions and emergency activities will be coordinated by the State EOC State Incident Manager (State Incident Manager) in association with the State of Wisconsin's Officer-In-Charge (OIC), and Dakota and Goodhue County Operations Chiefs. RAD team members will receive their direction from the RAD Team Captain (located in the comm. 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 Prairie Island Nuclear Generating Plant Technical Support Center (TSC), Emergency Operations Facility (EOF), and the Dakota and Goodhue County EOCs. Additional commercial telephone lines are available to EOC staff. When appropriate, hard copy capability will be demonstrated by facsimile machines. RAD Team activities will be directed by radio or cellular phone with commercial and satellite telephone communications as a backup.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

This objective is re-demonstrating an ARCA received by the State Field Monitoring Teams during the 1999 Monticello Exercise. Refer to ARCA Issue Number 39-99-05-A-02.

All emergency workers have a dose limit of three 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 (alert and notification)		0-20 R	TLD	St. Paul Airport
Ambulance crew (Do not take KI)	0-200mR		TLD	Reception Center
Reception Center Staff	0-200 mR group dosimetry		TLD	Cottage Grove Armory

- Plymouth RAD team supplies are stored at Plymouth Fire Station #1, and 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 teams will demonstrate this objective, and data from two "phantom" teams will be provided to the RAD team captain and the PAC through controller messages. 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 to the evaluator during the pre-exercise briefing.

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 RASCAL. 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, five sectors downwind) as per the Minnesota EOC Standard Operating Procedures. The pre-determined PAR has been pre-approved by the Governor. Subsequent PAR's 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 analysis using Eberline E-120 survey meters (0-50,000 CPM) in accordance with their standard operating procedures. Purging the sampler head is not a part of RAD team procedures.

This objective is re-demonstrating an ARCA received by the State Field Monitoring Teams during the 1999 Monticello Exercise. Refer to ARCA Issue Number 39-99-08-A-01.

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; subsequent PARs will be scenario driven. If, while comparing projected dose rates to protective action guidelines (PAG's), the Planning Chief determines that KI administration is not necessary, Objective 14 will be implemented through a controller message. The controller message will be provided to the Planning Chief by the PAC controller.

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. The initial EAS message occurs as determined by the State Incident Manager in coordination with the State of Wisconsin, Pierce, Goodhue, and Dakota Counties following the approval of a PAR. An "EAS Writer" (located in the State EOC) will directly broadcast 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 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 and areas affected. 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, the Wisconsin Officer-in-charge, and concurrence from the Dakota and Goodhue County Operations Chiefs and Pierce County via a conference call, sirens are activated by the counties. The actual time of the siren activation is determined by the Minnesota State Incident Manager and the Wisconsin Officer-in-Charge and coordinated with the Dakota and Goodhue County Operations Chiefs and the Pierce County Emergency Management Director.

A National Guard helicopter equipped with a public address system will warn recreational areas (weather permitting). The National Guard helicopter will operate from the Dakota County Law Enforcement Center located at 1580 Hwy 55, Hastings, MN. (Note: if FEMA evaluators wish to ride along, names and Social Security numbers must be provided in advance for security check). 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.

All EAS messages are the responsibility of EOC Operations staff. The State of Minnesota uses pre-scripted EAS messages. Special news broadcasts will 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. The Lead PIO will coordinate all Minnesota public information. 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 EOC and driven by controller messages. Two rumor control 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 rumor control and PIO work areas.

OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTIONS – USE OF KI 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 EOC's 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) and RAD Team members (field monitoring and sampling)

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS – SPECIAL POPULATIONS

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

This objective is not applicable to the State of Minnesota.

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS – SCHOOLS

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

This objective 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.

This objective has not been selected by the State to demonstrate this exercise.

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 Cottage Grove National Guard Armory (8180 Belden Avenue in Cottage Grove) at 6:00 P.M. on Tuesday Sept 12, 2000. 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). Based on the planning standard for reception center staffing, it has been determined that two portal monitors are required at this facility (1 will be demonstrated). Hand held survey instruments are used by monitoring staff in the decontamination areas. A check source is used to ensure that the instruments respond. Hand held instruments are calibrated annually. Washington and Dakota County fire fighters will conduct monitoring, and staff from the DHS will serve as recorders. Volunteer mock evacuees will go through the reception center monitoring, decontamination, 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 South Washington County Ambulance service. 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, September 12, 2000 during the reception center exercise. An American Red Cross shelters manager and nurse will meet the evaluator at the Cottage Grove National Guard Armory reception center. 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.

South Washington County Ambulance will demonstrate this objective at the reception center at 7:00 P.M., September 12, 2000 at Cottage Grove National Guard Armory (8180 Beldon Blvd., Cottage Grove). A controller will provide the ambulance crew with a simulated contaminated injured evacuee. The ambulance crew will assess the patient's medical condition. The ambulance crew will wrap the patient up and will not monitor. They will then prepare the patient for transport to Regions Hospital (640 Jackson Street, St. Paul, MN). They will load the patient into the ambulance. Actual transport will not occur. Communications between the Ambulance and the Hospital will be demonstrated at this time. Because the ambulance crew will not be available for the delivery of the patient (MS-1), they will simulate being at the hospital and demonstrate the unloading of the patient 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.

Regions Hospital (640 Jackson Street, St. Paul MN) will demonstrate this objective at 8:00 AM on Tuesday, September 12, 2000. The transportation aspect of this demonstration will be performed at the reception center at 7:00 PM later this day. A contaminated injured evacuee will arrive at the emergency room (simulated). Upon notification of arrival of the patient (notification will be done with a controller message), hospital personnel will prepare the emergency room area for arrival of a contaminated patient, including appropriate contamination control measures. Hospital radiation specialists will conduct radiological monitoring. 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.

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 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 has not been selected to be evaluated during this exercise. It has been selected to be demonstrated for the Y2003 Monticello Ingestion Exercise.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

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

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and will not be demonstrated during this exercise.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and will not be demonstrated during this exercise.

OBJECTIVE 26: INGESTION EXPOSURE PATHWAY – DOSE PROJECTIONS AND PROTECTIVE ACTION DECISION—MAKING

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

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and will not be demonstrated during this exercise.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY – PROTECTIVE ACTION IMPLEMENTATION

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

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and 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.

This objective will be demonstrated for the current six-year cycle during the Y2003

Monticello Ingestion Exercise and will not be demonstrated during this exercise.

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

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

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and 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.

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and will not be demonstrated during this exercise.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide off-site support for the evacuation of on-site 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.

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and 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.

This objective will be demonstrated for the current six-year cycle during the Y2003 Monticello Ingestion Exercise and will not be demonstrated during this exercise.

DAKOTA 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 in the Dakota County Law Enforcement Center. The call to partially activate EOC staff will be made at the Alert Emergency Classification Level from the Sheriff's Department. The Dakota County Law Enforcement Center is located at 1580 Highway 55 in Hastings. Dakota County will demonstrate with only key EOC officials. Staff responding is the Fire Chief, Sheriff, Operations Chief, and Radiological Officer. Several Staff members (Agriculture & Community Services) will be pre-positioned due to long response time. A county PIO will respond to the JPIC, and other EOC staff will be put on stand-by. At a Site Area Emergency the remainder of EOC staff will be activated. Dakota County will have all necessary EOC equipment, displays, and other operational support materials 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 Dakota 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 Dakota County Operations Chief will coordinate decisions and emergency activities. Activities will be coordinated with the State, field staff, Goodhue and Pierce County EOC, as necessary.

OBJECTIVE 4: COMMUNICATIONS

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



The Dakota 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. Minnesota Statewide

Emergency Frequency (MNSEF) radio will be used as back up only, if needed. Only the first four channels of the Police and Fire radio will be COM checked for the exercise

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 Hastings Public works
Field Staff (route alerting, etc.)		0-20 R	TLD Dakota Co. EOC

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

This objective is a State objective and not applicable to Dakota County.

OBJECTIVE 7: PLUME DOSE PROJECTION

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

This objective is a State objective and not applicable to Dakota County.

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

Demonstrate the appropriate use of equipment and procedures for the measurements of airborne radioiodine concentrations as low as 10⁻⁷ (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

This objective is a State objective and not applicable to Dakota County.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION-MAKING

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

This objective is a State objective and not applicable to Dakota 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 Dakota County EOC (siren activation will be simulated). After PAR concurrence via a conference call with the other Counties and the States, 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 Dakota 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 Dakota County Public Information Liaison, who is located in the State EOC, will demonstrate the coordination of county public information.

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. If rumors affect Dakota 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 KI 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 Dakota County Operations Chief. KI administration instructions to county emergency workers disseminate from the Dakota County EOC. 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 was not selected by Dakota County to demonstrate this exercise.

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).

There are no schools in Dakota County. Therefore, this objective is not applicable.

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 location. 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.

This objective is a State objective and is not applicable to Dakota County.

OBJECTIVE 19: CONGREGATE CARE

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

This objective is a State objective and is not applicable to Dakota County.

OBJECTIVE 20: MEDICAL SERVICES -- TRANSPORTATION

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

This is a State objective and is not applicable to Dakota 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.

This is a State objective and is not applicable to Dakota 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.

Dakota County did not select this objective to demonstrate. This objective will be demonstrated at 6:00 P.M. on Monday, September 11, 2000 at the Red Wing Fire Department (Goodhue 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.

This objective is a State objective and is not applicable to Dakota County.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

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

This objective is a State objective and is not applicable to Dakota County.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

This objective is a State objective and is not applicable to Dakota 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 pathway and to recommend protective measures.

This objective is a State objective and is not applicable to Dakota County.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY – PROTECTIVE ACTION IMPLEMENTATION

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

This objective has not been selected by Dakota County. This is an Ingestion Phase objective that will be demonstrated by the Monticello Counties in Y2003.

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

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

This is a State objective and is not applicable to Dakota County.

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

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

This objective has not been selected by Dakota County. This is an Ingestion Phase objective that will be demonstrated by the Monticello Counties in Y2003.

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 Dakota County EOC. Some second shift personal will be pre-positioned due to long travel times. The shift turnover will occur after the first PAR has been initiated.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide off-site support for the evacuation of on-site personnel.

This objective is not applicable to Dakota County.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

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

Dakota County will not demonstrate this objective during this exercise but will demonstrate it sometime during this six-year cycle.

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

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

Dakota County will not demonstrate this objectives during this exercise but will demonstrate it sometime during this six-year cycle.

GOODHUE 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 Sheriff's dispatch office of the Goodhue County Law Enforcement Center located at 430 W. 6th Street, Red Wing. 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 and continue at the Goodhue

County EOC. The Goodhue County EOC is also located at 430 W. 6th St. in Red Wing.

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 Goodhue 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 Goodhue County Operations Chief will coordinate decisions and emergency activities. Activities will be coordinated with the State, Goodhue County EOC's, 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 Goodhue County. Additional commercial telephone lines are available to EOC staff. Facsimile machines will demonstrate hard copy capability. Minnesota Statewide Emergency Frequency (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 into the EOC (all will be simulated except one deputy) to pick up dosimetry, KI and to receive a briefing and an emergency assignment.

EOC electronic dosimeters and normal Pocket Ion Chamber (PIC) dosimetry packets are located in strategic areas of the building. County emergency 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 Goodhue Co. EOC
Decontamination Staff*		0-20 R	TLD Red Wing FD

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

*Decon staff 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.

This objective is a State objective and not applicable to Goodhue County.

OBJECTIVE 7: PLUME DOSE PROJECTION

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

This objective is a State objective and not applicable to Goodhue County.

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

Demonstrate the appropriate use of equipment and procedures for the measurements of airborne radioiodine concentrations as low as 10⁻⁷ (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

This objective is a State objective and not applicable to Goodhue County.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION-MAKING

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

This objective is a State objective and not applicable to Goodhue 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. After PAR concurrence via a conference call with other Counties and the State of Wisconsin, sirens are sounded once following each evacuation PAR. Goodhue County has the lead for siren sounding. The coordination of alert and notification implementation will be demonstrated in the Goodhue County EOC (siren activation will be simulated). Sirens are sounded once following each 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 Goodhue 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 Goodhue County Public Information Liaison, located in the State EOC, in accordance with JPIC activities, will demonstrate the coordination of County public information. Goodhue County will demonstrate one (1) local briefing in the city council chambers as driven by the scenario. Hard copies of news releases will be shared via fax. The Goodhue County PIO State Liaison will be pre-positioned in the SEOC.

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. If rumors affect Goodhue 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 KI 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 Goodhue County Operations Chief. KI administration instructions to County emergency workers disseminate from the Goodhue County EOC. The evaluator will discuss KI administration with the Deputy Sheriff while demonstrating route alerting. KI administration will be simulated.

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 Goodhue County EOC. Resources will be discussed with the evaluator. At a Site Area Emergency classification, a recommendation will be made by NSP directly to the NSP liaison in the Goodhue County EOC, as to whether or not the Treasure Island Casino should be closed. The NSP liaison will advise the Goodhue County operations staff on the recommendation. The call to inform the Casino of the recommendation will be made by either Tribal or NSP representatives in the Goodhue County EOC:

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS --SCHOOLS

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

Pierce County will demonstrate this objective.

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. Following the demonstration of the route, the Deputy will proceed to a conveniently located, pre-

determined, roadblock location. No barricade will actually be placed on the roadside. An evaluator will ride to the roadblock location with the Deputy to 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.

This objective is a State objective and is not applicable to Goodhue County.

OBJECTIVE 19: CONGREGATE CARE

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

This is a State objective and is not applicable to Goodhue County.

OBJECTIVE 20: MEDICAL SERVICES -- TRANSPORTATION

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

This is a State objective and is not applicable to Goodhue 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.

This is a State objective and is not applicable to Goodhue 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 6:00 P.M. on Monday, September 11, 2000 at the Red Wing 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 (0 - 50,000 CPM) will be used. An instrument check will be used as a single point response 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.

This objective is a State objective and is not applicable to Goodhue County.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

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

This objective is a State objective and is not applicable to Goodhue County.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

This objective is a State objective and is not applicable to Goodhue 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 pathway and to recommend protective measures.

This objective is a State objective and is not applicable to Goodhue County.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY -- PROTECTIVE ACTION IMPLEMENTATION

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

This objective has not been selected by Goodhue County. This is an Ingestion Phase objective that will be demonstrated by the Monticello Counties in Y2003.

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

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

This is a State objective and is not applicable to Goodhue County.

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

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

This objective has not been selected by Goodhue County. This is an Ingestion Phase objective that will be demonstrated by the Monticello Counties in Y2003.

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 was not selected for this exercise but will be demonstrated sometime during this 6-year cycle.

**OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE
PERSONNEL**

Demonstrate the capability to provide off-site support for the evacuation of on-site personnel.

Goodhue County will not demonstrate this objective during this exercise but will demonstrate it sometime during this six-year cycle.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

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

Goodhue County will not demonstrate this objective during this exercise but will demonstrate it sometime during this six-year cycle.

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

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

Goodhue County will not demonstrate this objective during this exercise but will demonstrate it sometime during this six-year cycle.

WISCONSIN

**STATE OF WISCONSIN OFF-SITE OBJECTIVES
for the
PRAIRIE ISLAND NUCLEAR GENERATING PLANT EXERCISE
September 13, 2000**

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.

This will be a partial participation exercise for the State of Wisconsin with other State agencies not participating. Wisconsin Emergency Management staff will activate the State Emergency Operating Center (EOC). The Regional Office in Eau Claire will serve as a relay point for redundant communications. The Department of Health and Family Services-Radiation Protection Section staff will demonstrate the radiological control/dose assessment function at the State EOC.

The State EOC will not demonstrate security because funding is not available to pay overtime for security personnel participation in the exercise; the Security SOP will be available for review and a procedural walk through.

The Forward Operating Center/Mobile Radiological Laboratory (FOC/MRL) and field teams will be deployed and evaluated by FEMA.

The initial notification will occur via the National Warning System (NAWAS) and be passed to the Duty Officer. The call up list in the Duty Officer book will be modified to reflect exercise needs; the DO will be available for an interview about the procedures in the DO Manual.

The State is in the process of integrating the Wisconsin Radiological Incident Response Plan (WRIRP) and the State Emergency Operations Plan (SEOP). Part of the integration includes the use of Procedure Manuals for each position in the SEOP. The position titles in the WRIRP and SEOP are different. (a matrix describing the WRIRP and SEOP positions and duties will be provided). For the exercise, the SEOP position titles and Procedure Manuals will be used. Both the WRIRP and SEOP will be available for reference.

Pre-positioned exercise staff:

- The State JPIC staff will be in St. Paul, Minnesota. The exercise controller will contact them to report to the JPIC at the appropriate time during the exercise.
- The State Emergency Police Services Director will be pre-positioned at the

State EOC in Madison; he will begin play at the time the State EOC is activated.

- The West Central Regional Director will be pre-positioned at the Pierce County EOC; she will begin play at the time the County EOC is activated.
- FOC/MRL and Field Teams will be pre-positioned at the Pierce County courthouse.
- State Radiological Coordinator support staff will be pre-positioned in the accident assessment room at the State EOC. The SRC will receive notification at his office and will respond in real time.

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

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

The State will demonstrate the adequacy of facilities to support State EOC operations through the use of maps, status boards, and other displays.

EOC staff will use additional maps on a trial basis; these maps will be identified for the evaluators and are not for FEMA evaluation.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

The State will demonstrate decision-making capabilities in the State EOC. The State will demonstrate coordination with the Minnesota State EOC, the Joint Public Information Center (JPIC), the Pierce County EOC, and Northern States Power Company's Prairie Island Nuclear Generating Plant (PINGP).

Please note: The States of Wisconsin and Minnesota employ a joint Public Alert and Notification (PANS) process that promotes coordinated decision-making and communications by the two states. Please refer to the Wisconsin Radiological Incident Response Plan (WRIRP) - Attachments A & B for further details on the PANS.

OBJECTIVE 4: COMMUNICATIONS

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

The State uses a variety of communications media (including telephone, radio and hard copy) to communicate with other locations. Amateur radio operators will test amateur radio links between the State of Wisconsin EOC and other participating amateur radio operators. Communications capabilities in the FOC/MRL will be tested.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

State field teams will use direct-reading and thermoluminescent dosimeters to monitor and control emergency worker exposure. Dosimetry is calibrated annually by a certified calibration facility. According to Dosimeter Corporation, the manufacturer of our dosimeters, the 0-200 mR dosimeters do not have drift problems. Wisconsin does not use CDV-138 dosimeters. Dosimetry is available in the field team kits. Emergency Workers, other than field teams will be issued dosimetry at the reception center.

OBJECTIVE 6: FIELD RADIOLOGICAL MONITORING -- AMBIENT RADIATION MONITORING

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

State field teams operating under the direction of the FOC/MRL in Pierce County will demonstrate this objective according to approved field team procedures. We do not use calibrated check sources. Our instruments do not have the capability of open/closed window readings. Three pre-positioned field teams will report to the FOC/MRL at a designated time and two of the three teams will be evaluated by FEMA.

OBJECTIVE 7: PLUME DOSE PROJECTION

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

The Dose Assessment team, under the direction of the State Radiological Coordinator, will carry out this objective in the State EOC. Team members will demonstrate back-up capability for dose projections using an alternate computer.

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

Demonstrate the appropriate use of equipment and procedures for the measurements of airborne radioiodine concentrations as low as 10^{-7} (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

State personnel will demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine in the presence of noble gases and obtain samples of particulate activity in the airborne plume. Silver zeolite cartridges, which do not require purging, are used for air sampling.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION-MAKING

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

The Governor, or the Governor's designee, will demonstrate the ability to make appropriate protective action decisions based on the OIC and SRC recommendation(s). Prior to the decision being made, the Wisconsin State EOC will contact the Pierce County EOC to determine if there are any modifying conditions to the recommendation and to ensure that the counties are able to fully respond at the designated time.

The discussion/decision about the use of KI takes place under this objective.

Please refer to Attachments "A" and "B" of the Wisconsin Radiological Incident Response Plan for more information on Wisconsin's default PAR and the PAR coordination process.

OBJECTIVE 10: ALERT AND NOTIFICATION

Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway Emergency Planning Zone (EPZ) and disseminate instructional messages to the public on the basis of PANS.

The State will demonstrate alert and notification decision-making through coordination with the Minnesota EOC and the Pierce County EOC, in accordance with procedures contained within the Public Alert and Notification System Manual.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

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

To demonstrate this objective, the State will select appropriate EAS messages that accurately reflect protective action decisions; confirm the message with the State of Minnesota and Pierce County; and transmit the message to Pierce County and the JPIC. Minnesota transmits the approved message to the EAS station. The EAS messages use familiar boundaries and landmarks to describe the areas covered by the recommendation. (WRIRP Vol. 1, attachment D, and Vol. II, T tab D.)

The State does not use the EAS system to disseminate media advisories. The State does not use its EAS system for rumor control for an event at Prairie Island Nuclear Generating Plant. (Please refer to Objective 13 and Attachment D, WRIRP.)

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 State will demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the news media at the JPIC in accordance with the JPIC policies and procedures manual. The State of Wisconsin PIO at the JPIC coordinates with the State EOC staff, County, Utility, and the State of Minnesota PIO's to ensure the media is briefed in a clear, accurate, and timely manner. Procedures for early notification of the media will be demonstrated in the State EOC prior to the activation of the JPIC.

OBJECTIVE 13: EMERGENCY INFORMATION – RUMOR CONTROL

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

State of Wisconsin rumor control is coordinated at the JPIC. Public concerns, rumors, or incorrect information are collected from multiple sources, including: State and County EOCs, the Utility, reception centers, media, public, etc. As trends of public concerns and incorrect information (rumors) are identified at the JPIC, correct factual messages will be composed and their dissemination simulated. Wisconsin does not utilize a telephone bank as a part of its rumor control system and thus will not demonstrate six rumor messages per hour at any one location. Instead, an average of at least six messages that drive the demonstration of rumor control and other information needs will be demonstrated at both the State and County levels. (For more information on Wisconsin's rumor control procedures refer to Attachment D of the WRIRP.)

OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTIONS – USE OF KI FOR EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC

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

The State emergency worker dosimetry kits contain the individual's initial dose of KI. The State EOC will instruct emergency workers if and when they should simulate taking KI; reception center workers do not receive KI. The State of Wisconsin Radiological Incident Response Plan directs that KI is not made available to the general public.

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS –SPECIAL POPULATIONS

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

This is a County objective.

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 is a County objective.

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 is a County objective. The State will provide simulated additional support for this function if requested by Pierce County.

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.

The State of Wisconsin will demonstrate the adequacy of procedures, facilities, equipment, and personnel for radiological monitoring and decontamination. State health monitoring teams will demonstrate radiological monitoring and decontamination of evacuees at the Elmwood High School Reception Center, in Elmwood, Wisconsin. Demonstration of this objective will occur September 11 at 7 P.M.

The registration portion of this objective is a County responsibility.

The health monitoring teams include personnel from the Department of Health and Family Services' Radiation Protection Section (DHFS-RPS), the University of Wisconsin Safety Department, and individuals from Pierce County who have received training as Auxiliary Health Monitors. The health teams use a radiation source to ensure that the instrument does respond; however, they do not use calibrated check sources. The instruments are calibrated annually by a certified calibration facility. The health monitoring personnel from the County will work under the supervision of DHFS-RPU staff, and should be evaluated as part of the State of Wisconsin's response. Once the reception center is operational and

several evacuees have gone through the portal monitor to establish flow, at least six evacuees will be monitored and registered for evaluation purposes, with one evacuee requiring decontamination. Pierce County has one portal monitor and it will be demonstrated.

One vehicle will be monitored and decontaminated to meet this objective.

OBJECTIVE 19: CONGREGATE CARE

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

This is a County objective.

OBJECTIVE 20: MEDICAL SERVICES – TRANSPORTATION

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

This is a County objective.

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.

Medical staff and security personnel at Sacred Heart Hospital in Eau Claire, Wisconsin, will demonstrate this objective on September 12, 2000 at 9:00 A.M. A local ambulance service will participate by simulating the transport of a potentially contaminated patient to the hospital, and unloading the patient at the receiving area. The hospital will demonstrate radio communications with the ambulance and provide the necessary information to prompt the activation of the hospital's Radiation Emergency Area (REA).

Since area ambulance services may not be familiar with the location of the receiving area for the REA or contamination control procedures, hospital personnel will demonstrate the ability to direct the ambulance personnel. Hospital personnel will demonstrate the availability of, and capability to use, instruments for monitoring the transport vehicle and its crew. Hospital personnel use a radiation source to ensure that the instrument does respond; however, they do not use calibrated check sources. The instruments are calibrated annually by a certified calibration facility.

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.

Monitoring and decontamination for Emergency Workers, equipment, and vehicles are the same as for the general population and will be demonstrated concurrently at the Elmwood High School Reception Center. Emergency workers have priority for monitoring and decontamination.

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 is not selected.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

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

This objective is not selected.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

This objective is not selected.

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

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

This objective is not selected.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY – PROTECTIVE ACTION IMPLEMENTATION

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

This objective is not selected.

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

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

This objective is not selected.

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

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

This is a County objective.

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 is not selected.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide off-site support for the evacuation of on-site personnel.

This is a County objective.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

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

This objective is not selected.

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 is not selected.

PIERCE COUNTY

**PIERCE COUNTY OFF-SITE OBJECTIVES
for the
PRAIRIE ISLAND NUCLEAR GENERATING PLANT EXERCISE
September 13, 2000**

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.

Pierce County will fully activate its Emergency Operating Center (EOC) and will carry out warning and staff call-up procedures as outlined in Tab B of the Pierce County Plan. EOC security will be demonstrated; exercise participants, observers, and evaluators will be asked to wear ID Badges.

Initial notification will be received by the Sheriff's Dispatchers via conference call with Prairie Island Nuclear Generating Plant. The dispatchers will then activate the EOC staff based on the procedures in the Pierce County plan.

The PIO representing the County at the JPIC will be pre-positioned, or arrive, at the JPIC.

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

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

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

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

The Pierce County EM Director will direct and control emergency operations within the County and will coordinate decisions and emergency activities with the State of Wisconsin, Goodhue and Dakota Counties and the Joint Public Information Center (JPIC).

OBJECTIVE 4: COMMUNICATIONS

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

Pierce County will use a variety of real and simulated communications (including telephone, radio, and both voice and hard copy) to communicate with other locations, the State and Dakota and Goodhue counties.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

Emergency workers will use pocket dosimeters and TLDs to monitor radiation exposure. Dosimetry will be distributed at dosimetry distribution point(s)—the Pierce County EOC and the Reception Center; reception center workers are not classified as emergency workers. KI will be distributed with the dosimetry kits for use upon recommendation of the State Radiological Coordinator. The County Radiological Officer will control emergency worker stay times based upon recommendations developed by the SRC.

OBJECTIVE 6: FIELD RADIOLOGICAL MONITORING – AMBIENT RADIATION MONITORING

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

This is a State objective.

OBJECTIVE 7: PLUME DOSE PROJECTION

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

This is a State objective.

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

Demonstrate the appropriate use of equipment and procedures for the measurements of airborne radioiodine concentrations as low as 10^{-7} (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

This is a State objective.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION-MAKING

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

This is a State objective.

OBJECTIVE 10: ALERT AND NOTIFICATION

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

Pierce County will follow the Public Alert Notification System (PANS) procedures in the County plan. The County will simulate activating its sirens upon recommendation from the State of Wisconsin, in coordination with Goodhue and Dakota Counties, and in conjunction with the State of Minnesota simulated activation of the PANS systems. Public Alert and Notification Procedures for the Prairie Island Nuclear Generating Plant are located in Tab D "Alert and Notification".

The State will complete the necessary decision-making and recommend appropriate protective actions to Pierce County. Pierce County will coordinate siren sounding (simulated) with Goodhue and Dakota Counties. Goodhue County is the lead county in this coordination.

Pierce County will demonstrate alert and notification of exception areas by sending a law enforcement vehicle, which has public address capabilities, on one route (determined on the day of the exercise as a result of exercise play) with an evaluator. Exception areas in Pierce County are located in rural areas 5-10 miles from the plant.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

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

To demonstrate this objective, the Pierce County Public Information Officer, and the Emergency Management Director, will select the appropriate EAS message, confirm the message with the State, transmit the message to the EOC staff and the JPIC; Minnesota transmits this message for broadcast. The initial message will give general information about the incident and direct the public to tune to appropriate broadcast media for further instruction. More detailed emergency instructions, including familiar boundaries and landmarks will be included in special messages broadcast in follow-up to the EAS message.

The EAS system is not used to disseminate media advisories, such as the livestock advisories or to address rumor control issues. (Please refer to Tab D of the Pierce County plan for further information.)

OBJECTIVE 12: EMERGENCY INFORMATION -- MEDIA

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

Pierce County will have a Public Information Officer present at the JPIC to address Pierce County's public information interests with those of other entities. Pierce County will not hold a media briefing in the EOC. The County Emergency Management Director can describe procedures and facilities for holding a media briefing, if necessary.

OBJECTIVE 13: EMERGENCY INFORMATION -- RUMOR CONTROL

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

Pierce County will coordinate its rumor control activities with the State of Wisconsin, State of Minnesota, Goodhue and Dakota Counties, and Utility PIO's at the JPIC. NOTE: This objective will be demonstrated in accordance with the procedures described in the Pierce County Radiological Incident Response Plan.

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

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

The County emergency worker dosimetry kits contain the individual's initial dose of KI. The Pierce County EOC will instruct emergency workers if and when they should simulate taking KI; reception center workers do not receive KI. The State of Wisconsin Radiological Incident Response Plan directs that KI will not be made available to the general public.

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS -- SPECIAL POPULATIONS

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

Pierce County will demonstrate the ability and resources to implement appropriate

protective actions. The County EOC staff will use a computerized list of persons with special transportation needs and will simulate providing evacuation assistance.

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS

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

Pierce County will demonstrate this objective through an interview on September 11, 2000 at 1:30 P.M., at Prairie View Elementary School. The interview will be with the school officials responsible for authorization and implementation of a school evacuation. These officials include: the Superintendent, Principal, Teacher, Bus Driver, and Bus Dispatcher. One class of children will board the bus, but the driver will not drive the pre-determined bus route.

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.

Pierce County will demonstrate this objective at one location to be designated as a result of play. In the EOC, evaluators will be informed of the location and timing of this demonstration and will be taken to the demonstration location by a law enforcement professional. Barricades will be set up on the side of the road at the traffic control point.

OBJECTIVE 18: RECEPTION ENTER MONITORING, DECONTAMINATION AND REGISTRATION

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

Pierce County will demonstrate this objective the evening of September 11, 2000 at 7 P.M., at the Elmwood High School in Elmwood Wisconsin. Pierce County is responsible for registering evacuees and assigning them to appropriate congregate care facilities. The State of Wisconsin is responsible for directing the radiological monitoring and decontamination portions of this objective.

OBJECTIVE 19: CONGREGATE CARE

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

Pierce County will demonstrate this objective by opening the Spring Valley Middle-High School between 7 P.M. and 10 P.M., September 11, 2000.

OBJECTIVE 20: MEDICAL SERVICES -- TRANSPORTATION

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

Pierce County will demonstrate this objective, September 11, 2000 at 7 p.m. at the Elmwood High School in Elmwood Wisconsin. Elmwood Ambulance service will prepare a simulated casualty for transportation. Due to the distance between Elmwood and Eau Claire, actual transportation will not be demonstrated. Communications with the hospital will be demonstrated in accordance with Ambulance Service procedures. A description of the route can be demonstrated through an interview with the ambulance driver.

Ambulance services are not equipped with radiological monitoring instrumentation. Monitoring of the patient, vehicle, and crew are performed at the hospital as a part of Objective 21. Hospital personnel will direct the ambulance crew to the receiving area and demonstrate contamination control procedures and transferring of the patient. A call will be simulated from the ambulance to the hospital.

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.

This is a State objective.

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 is a State objective.

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 is a State objective.

OBJECTIVE 24: POST-EMERGENCY SAMPLING

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

This is a State objective.

OBJECTIVE 25: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

This is a State objective.

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

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

This is a State objective.

OBJECTIVE 27: INGESTION EXPOSURE PATHWAY – PROTECTIVE ACTION IMPLEMENTATION

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

This objective is not selected.

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

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

This is a State objective.

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

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

This objective is not selected

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 is not selected.

OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL

Demonstrate the capability to provide off-site support for the evacuation of on-site personnel.

This objective is not selected.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

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

This objective is not selected.

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 is not selected.

APPENDIX 4

EXERCISE SCENARIO

This appendix contains a summary of the simulated sequences of events that were used as the basis for invoking emergency response actions by OROs in the Prairie Island Nuclear Generating Plant exercise on September 13, 2000.

The exercise scenarios (plume and medical) were submitted by the State of Minnesota and the State of Wisconsin and approved by FEMA Region V on July 19th and 26th, 2000 respectively.

During the exercises, controllers telephoned inject messages containing scenario events and/or relevant data, to those persons or locations that would normally receive notification of such events. These inject messages were the method used for invoking response actions by OROs.

On the following page is the September 13, 2000 Prairie Island Nuclear Generating Plant exercise timeline for the States of Minnesota and Wisconsin and the Counties of Dakota, Goodhue, and Pierce. All time intervals are approximate.

Wednesday, September 13, 2000

0730

Shift Turnover is completed for the exercise Operating Crew

INITIAL CONDITIONS

■
UNIT 1

■ *100% Full Power*

■ *Fuel leak below Technical Specification (TS) Limits*

■ *MSAC/DSS OOS per WO #????? for hardware upgrade –
estimated to return to service – 0900*

■ *RCS C_B display – 813 ppm*

■ *Control Rod Bank D @ 218 steps*

■ *Normal at power electrical configuration*

■
Unit 2

■ *100% Full Power*

■ *No major equipment OOS*

■ *Normal at power electrical configuration*

0735

Unisolable RCS leak into containment initiates and grows to 53 gpm. The operation crew will determine that a TS shutdown is required in accordance with 1C4 AOP1. The operation crew will make preparations to conduct a shutdown. A contingency message to conduct an orderly shutdown at 0.5%/minute due to fuel leak will be provided if the operation crew makes a decision to reduce power at a rate >5%/min or to trip the reactor. The operations crew will attempt to locate and isolate the leak.

0740

The leak rate has increase and meets the ALERT Condition per EAL 2B – “Primary coolant leak rate greater than 50 gpm”.

0755

Contingency message issued to declare an ALERT if emergency condition have not been identified.

Mitigation actions will focus on continued core cooling, reducing / equalizing containment pressure, and isolating of the containment breach.

1030 Contingency message issued to declare a GENERAL EMERGENCY and issue an initial PAR if emergency conditions have not been identified.

1130 Wind shift occurs requiring an off-site radiological evaluation and issuing a new PAR

1145 Contingency message issued to issue a PAR change if emergency condition has not been identified.

Mitigation actions will focus on continued core cooling, reducing / equalizing containment pressure and isolating of the containment breach. The breach in containment will not be isolated prior to site exercise termination.

~1300 Exercise terminates. A message may be provided to the States with an estimated time the breach in containment will be isolated.