

Federal Emergency Management Agency

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

June 27, 2003

Mr. Eric Weiss, Chief
Emergency Preparedness and Health Physics Section
Division of Inspection Program Management
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop: 06H 16
Washington, DC 20555

Dear Mr. Weiss:

Enclosed is a copy of the Final Report for the Radiological Emergency Preparedness (REP) Plume Pathway Exercise conducted on March 26, 2003, for the Dresden Nuclear Generating Station. The State of Illinois, Grundy, Kendall and Will Counties participated in this exercise. Exelon Nuclear Corporation, the utility owner/operator also participated in this exercise.

No Deficiencies were identified during this exercise. No Areas Requiring Corrective Action (ARCA) were identified for the State of Illinois and Will County. Two prior ARCAs issued to the State under Objectives 5 and 14 (under the former Exercise Evaluation Methodology) pertaining to Medical Services Drills remain unresolved.

Four ARCA were identified for Grundy County during this exercise. One ARCA each was identified under Criterion 1.c.1, Direction and Control, and Criterion 5.a.1, Activation of Prompt Alert and Notification System, and two additional ARCA were identified under Criterion 5.b.1, Emergency Information and Instructions for the Public and the Media.

One ARCA was identified for Kendall County under Criterion 5.b.1, Emergency Information and Instructions for the Public and the Media. A detailed discussion of these issues can be found in Part IV of the Final Report.

Based on the results of the March 26, 2003, exercise, the offsite radiological emergency response plans and preparedness for the State of Illinois, Grundy, Kendall and Will Counties, site-specific to the Dresden Nuclear Generating Station can be implemented. These plans are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public.

Therefore, the Title 44 CFR, Part 350, approval of the offsite radiological emergency response plans and preparedness for the State of Illinois, site-specific to the Dresden Nuclear Generating Station, granted on October 14, 1982, remains in effect. Copies of this Report were transmitted to the Nuclear Regulatory Commission (NRC) Region III, the FEMA National Office and the State of Illinois.

If you should have any questions, please call me or have a member of your staff contact Woodie Curtis at (312) 408-5528.

Sincerely,

Edward G. Buikema Regional Director

Enclosure (1)



Final Exercise Report

Dresden Nuclear Generating Station

Licensee: Exelon Nuclear Corporation

Exercise Date: March 26, 2003

Report Date: June 27, 2003

FEDERAL EMERGENCY MANAGEMENT AGENCY
REGION V
536 South Clark Street, 6th Floor
Chicago, Illinois 60605 – 1521

TABLE OF CONTENTS

| | | | | | Page |
|-----|-----|-------|---|--|--------------|
| L | EXE | CUTIV | E SUM | MARY | 1 |
| II. | INT | RODUC | CTION | | 3 |
| Ш. | EXE | RCISE | OVERV | /IEW | 5 |
| | A. | Plun | ne Emer | gency Planning Zone Description | 5 |
| | B. | Exer | cise Part | icipants | 7 |
| | C. | Exer | cise Tim | neline | 9 |
| IV. | EXE | RCISE | EVALU | VATION AND RESULTS | 12 |
| | A. | Sum | mary Re | sults of Exercise Evaluation | 12 |
| | В. | Statu | s of Juri | sdictions Evaluated | 15 |
| | | 1. | STAT | TE OF ILLINOIS | 17 |
| | | | 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 1.10 | Initial Notification Point Emergency Operations Center Radiological Emergency Assessment Center. State Forward Command Post Traffic and Access Control Joint Public Information Center. Emergency Operations Facility (State Liaison) Radiological Assessment Field Team (RAFT) Field Team A (Red) Field Team B (Blue) Monitoring & Decontamination of Evacuees and Emergency Workers, Registration of Evacuees – Kankakee Community (Manitoring & Decontamination of Evacue | 171818181919 |
| | | | 1.12 | Monitoring & Decontamination of Emergency Worker Equipment – Kankakee Community College | 20 |
| | | | 1.13 | Temporary Care of Evacuees - Kankakee Community College | |
| | | 2. | 1.14 RISK J | Medical Services Drill - MS-1 Transportation URISDICTIONS | |

| 2.1 | Grund | ly County | 22 |
|-----------------------------|----------|---|-----|
| | 2.1.1 | Initial Notification Point | 22 |
| | 2.1.2 | | |
| | | Emergency Broadcasting Station (WCSJ) | |
| | 2.1.4 | • | |
| • | | (Coal City School District) | 25 |
| 3.1 | Will (| County | 25 |
| | 3.1.1 | Initial Notification Point | 25 |
| | | Emergency Operations Center | |
| | 3.1.3 | Emergency Broadcasting Station (WLLI, WJOL, WJT | W, |
| | | WXRQ) | 26 |
| | 3.1.4 | | 0.0 |
| | | Troy Community Consolidated School District # 30C | 26 |
| 4.1 | Kenda | ll County | 27 |
| | 4.1.1 | Initial Notification Point | 27 |
| | 4.1.2 | Emergency Operations Center | 27 |
| | 4.1.3 | Traffic and Access Control | |
| | 4.1.4 | Emergency Broadcasting Station (WSPY) | 29 |
| | | List of Appendices | |
| APPENDIX 1 - ACRONY | MS AND | ABBREVIATIONS | 30 |
| APPENDIX 2 - EXERCISE | EVAL | JATORS AND TEAM LEADERS | 32 |
| APPENDIX 3 - EXERCISE | CRITE | RIA AND EXTENT-OF-PLAY AGREEMENT | 34 |
| APPENDIX 4 - EXERCISE | SCENA | ARIO | 60 |
| | | List of Tables | |
| Table 1 - Exercise Timeline | | | 10 |
| | | ise Evaluation | |
| ravic z - Builliary Results | OI TYCIC | 190 L 7 GIUGUVII | 1. |

I. EXECUTIVE SUMMARY

On March 26, 2003, an exercise was conducted in the plume exposure pathway emergency planning zone (EPZ) around the Dresden Nuclear Generating Station by the Federal Emergency Management Agency (FEMA), Region V. The purpose of the exercise was to assess the level of State and local preparedness in responding to a radiological emergency. This exercise was held in accordance with FEMA's policies and guidance concerning the exercise of State and local Radiological Emergency Response Plans (RERPs) and procedures.

The previous exercise at this site was conducted on May 1, 2002. The qualifying emergency preparedness exercise was conducted on September 30, 1981.

FEMA wishes to acknowledge the efforts of the many individuals who participated in this exercise. In the State of Illinois the risk counties of Grundy, Kendall, and Will participated along with the State Government.

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

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

State of Illinois Monitoring and Decontamination of Evacuees /Emergency

Workers - Evacuee Registration

Grundy County Implementation of Protective Actions - Schools - (EV - 2)

Will County Implementation of Protective Actions - Schools - (EV - 2)

The State and local organizations, except where noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. There were no Deficiencies or new Areas Requiring Corrective Action (ARCA) identified for the State of Illinois or Will County during this exercise. Two ARCA (Objectives 5 and 14) assessed against the State of Illinois, relating to the Medical Services MS-1 Drill demonstration at the Clinton Power Station (1998) Exercise remain unresolved. Four ARCA and one Planning Issue were identified for Grundy County during this exercise. One ARCA each were identified under Criterion 1.c.1, Direction and Control, and Criterion 5.a.1, Activation of Prompt Alert and Notification System. Two ARCA and the Planning Issue were identified under Criterion 5.b.1, Emergency Information and Instructions for the Public and the Media.

One of the ARCA Identified under Criterion 5.b.1 relating to the reversal of an Alert and Notification (A&N) sequence was cleared after two additional A&N sequences were demonstrated properly. One ARCA identified for Kendall County under Criterion 5.b.1, Emergency Information and Instructions for the Public and the Media, was redemonstrated and cleared.

II. INTRODUCTION

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

FEMA Rule 44 CFR 350 establishes the policies and procedures for FEMA's initial and continued approval of State and local governments' radiological emergency planning and preparedness for commercial nuclear power plants. This approval is contingent, in part, on State and local governments' participation in joint exercises with licensees.

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

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

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

Formal submission of the RERPs for the Dresden Nuclear Generating Station to FEMA Region V by the State of Illinois and involved local jurisdictions occurred on March 31, 1981. Formal approval of the RERP for Illinois was granted by FEMA on October 14, 1982, under 44 CFR 350.

A REP exercise was conducted on March 26, 2003, 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 Dresden Nuclear Generating Station. 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 Power Plants," November 1980;
- FEMA-REP-14, "Radiological Emergency Preparedness Exercise Manual," September 1991; and
- FEMA "Radiological Emergency Preparedness: Exercise Evaluation Methodology," as published in the Federal Register Notice/Vol. 67, No. 80, dated April 25, 2002.

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

Section IV of this report, entitled "Exercise Evaluation and Results," presents detailed information on the demonstration of applicable exercise criteria at each jurisdiction or functional entity evaluated in a jurisdiction-based, issues only format. This section also contains: (1) description 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 March 26, 2003, exercise to test the offsite emergency response capabilities in the area surrounding the Dresden Nuclear Generating Station. 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 which 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 Dresden Nuclear Generating Station is located on 953 rolling prairie acres in northeast Grundy County on the southern bank of the Illinois River. The topography of the site and its immediate environs is relatively flat, with elevations varying from 509 to 523 feet above sea level. The only significant topographic deviations in the area around the Dresden Station are the Kankakee Bluffs, 591 to 624 feet high, located just northeast of the site.

Portions of the site owned by Exelon Nuclear Corporation are leased for cattle grazing and field crops. Approximately 150 acres are used for grazing. Field crop cultivation occupies about another 300 acres. Recreational activity is in the form of hunting during legally prescribed seasons, with entry controlled by the agricultural lessee.

The Emergency Planning Zone (EPZ) for the Dresden Station consists of a circle with the Dresden Station as the center point. The EPZ extends ten miles outward in all directions from the Dresden Station for the plume exposure pathway planning zone and fifty miles outward for the ingestion exposure pathway planning zone. In the event of a serious accident at the Dresden Station, the plume exposure EPZ will be the area in which intensive efforts will be made to notify and protect residents and transient populations from exposure to radiation. This EPZ includes the following counties and municipalities: Grundy County (Illinois), and the municipalities of Carbon Hill, Coal City, Diamond, Minooka, and Morris; Will County (Illinois), and the municipalities of Braidwood, Channanhon, Elwood, Joliet, Shorewood, and Wilmington; and a small portion of Kendall County (Illinois).

The population distribution in the 10-mile EPZ surrounding the Dresden Station is relatively low. The 1990 census population is approximately 58,022. Within 0-2 miles, there are 1,272 people; within 2-5 miles, 11,948 people and in the 5-10 mile area there are 44,802 people.

Outside of the Station's boundaries there is a substantial amount of industry. Adjacent to the southern boundary of the Station is the Away-From-Reactor Operations Spent Fuel Storage Facility. The 2,550 megawatt electric, oil-fired Collins Electric Generating Station, owned by Commonwealth Edison, is one and

one half (1½) miles west of the Dresden Station. Four miles southeast of the Dresden Station is the former Joliet Arsenal (36,000 acres), which now is comprised of two industrial areas, a national cemetery and 23,000 acres for the Midewin National Tallgrass Prairie and 4,000 acres being retained by the Army.

Within the EPZ of the Dresden Station there are industrial plants, chemical production facilities, petroleum refining industries, warehousing, dry dock facilities and transportation equipment industries

The majority of the remaining area in the Dresden Station EPZ is used for agriculture, predominately cash grain production. South of the Dresden Station is approximately twenty-seven (27) square miles of recreational and residential land. The EPZ also contains four state parks and a conservation area.

These areas are served by various forms of transportation. Interstate 80 passes five miles to the north of the Dresden Station and Interstate 55 passes four miles to the east of the Dresden Station. The Illinois River, Des Plaines River and Kankakee River flow near the Station. Several railroads operate on tracks running through the Dresden Station EPZ. The railroads are: The Burlington Northern and Santa Fe Railway Company and Amtrak which is four (4) miles east of the Station; the Elgin, Joliet and Eastern Railroad which is one and one-half (1½) miles west of the Station; the CSX Transportation Inc, is four (4) miles northwest of the Station; and the Union Pacific Railroad Company which is seven (7) miles east of the Station.

The majority of Joliet's population resides beyond the 10-mile EPZ.

B. Exercise Participants

The following agencies, organizations, and units of government participated in the Dresden Nuclear Generating Station exercise on March 26, 2003.

STATE OF ILLINOIS

Illinois Emergency Management Agency (IEMA)

Illinois Department of Nuclear Safety (IDNS)

Illinois State Police

Illinois National Guard

Office of State Fire Marshall

Illinois Department of Transportation

Illinois Commerce Commission

Illinois Department of Corrections

Illinois Department of Public Health

Illinois Environmental Protection Agency

Illinois Department of Natural Resources

Illinois Department of Agriculture

Central Management Services

RISK JURISDICTIONS

GRUNDY COUNTY

Grundy County Board Chairman

Grundy County Emergency Management Director

Emergency Management Public Information Officer

Emergency Management Resource Manager

Grundy County Sheriff's Department

Grundy County Highway Department

Grundy County Health Department

Grundy County Regional Superintendent of Schools

Minooka Township

Coal City School District

WILL COUNTY

Will County Executive

Will County Emergency Management Director

Will County Sheriff's Department

Troy Community Consolidated School District

KENDALL COUNTY

Kendall County Board Chairman
Kendall County Emergency Services and Disaster Agency
Kendall County Sheriff's Department
Kendall County Highway Department
Kendall County Communication Officer
Kendall County Health and Human Services

PRIVATE/VOLUNTEER ORGANIZATIONS

American Red Cross
Exelon Nuclear Corporation
Radio Amateur Civil Emergency Service

C. Exercise Timeline

Table 1, on the following page, presents the time at which key events and activities occurred during the Dresden Nuclear Generating Station exercise on March 26, 2003. Also included are times that notifications were made to the participating jurisdictions/functional entities.

Table 1. Exercise Timeline

Date and Site: March 26, 2003 - Dresden Nuclear Generating Station

| Emergency Classification | Time Utility | Time that Notification Was Received or Action Was Taken | | | | | | | | | | | | | | |
|--|------------------|---|-------|-------------------------------|----------------------|-------------------------|--------------------|-------|--|--|--|--|--|--|--|--|
| Level | Declared | Illinois State EOC | REAC | State Forward Command Post | Grundy County EOC | . Kendall County EOC | Will County EOC | JPIC | | | | | | | | |
| Unusual Event | 0808 | 0833 | 0819 | 0845 | 0846 | 0845 | 0842 | N/A | | | | | | | | |
| Alert | 0834 | 0852 | 0853 | 0904 | 0915 | 0914 | 0912 | N/A | | | | | | | | |
| Site Area Emergency | 1027 | 1041 | 1042 | 1055 | 1106 | 1106 | 1105 | 1108 | | | | | | | | |
| General Emergency | 1154 | 1204 | 1205 | 1224 | 1230 | 1232 | 1231 | 1245 | | | | | | | | |
| Radiation Release Started | 1130 | 1146 | 1136 | 1224 ¹ | 1134 | 1232 | 1219 | 1205 | | | | | | | | |
| Radiation Release Terminated | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | | | | | | | |
| Facility Declared Operational | | 0847 | 0903 | 0915 | 0910 | 1004 | 0915 | 0955 | | | | | | | | |
| Declaration of State of Emerg | ency | 1200 | N/A | 1205 | 1335 | 1250 | | 1200N | | | | | | | | |
| Exercise Terminated | | 1330 | 1330 | 1335 | 1337 | 1339 | 1339 | 1338 | | | | | | | | |
| IPRA Exercise News Release Advisory | #1 – Livestock | 1057 | N/A | 1055 ¹ | 1115 | 1125 | 1050 | 1058 | | | | | | | | |
| Kendall County - Information | nal Message Only | N/A | N/A . | N/A | N/A | 1059 | N/A | N/A | | | | | | | | |
| Siren Activation | | N/A | N/A | N/A | N/A | 1100 | N/A | N/A | | | | | | | | |
| EBS/EAS Message | • | N/A | N/A | N/A | N/A | 1105 | N/A | N/A | | | | | | | | |
| 1st Precautionary Action Deci Evacuate: Sub-areas 1, 3, 4, 1 | | 1057 | N/A | N/A | 1110 | N/A | 1108 | N/A | | | | | | | | |
| Siren Activation | | N/A | N/A | N/A | 1115 | N/A | 1112 | N/A | | | | | | | | |
| EBS/EAS Message | | N/A | N/A | N/A | 1147 | N/A | 1114 | N/A | | | | | | | | |
| Corrected EBS/EAS Message Decision | | N/A | N/A | N/A | 1140 | N/A | N/A | N/A | | | | | | | | |
| Corrected EBS/EAS Message Faxed to Radio Station | | N/A | N/A | N/A | 1150 | N/A | N/A | N/A | | | | | | | | |
| 1st Protective Action Decision Evacuate: Sub-Areas 1, 2, 3, 4 | | 1225 | N/A | N/A | 1240 | 1230 | 1231 | N/A | | | | | | | | |
| Siren Activation | | N/A | N/A | N/A | 1245 | 1239 | 1235 | N/A | | | | | | | | |
| EBS/EAS Message | | N/A | N/A | N/A | 1240 | 1243 | 1237 | N/A | | | | | | | | |
| 2 nd Protective Action Decision Evacuate: Sub-area 5 | ı (Grundy Only): | 1240 | N/A | N/A | 1250 | N/A | N/A | N/A | | | | | | | | |

¹ As part of GE notification.

Table 1. Exercise Timeline

Date and Site: March 26, 2003 - Dresden Nuclear Generating Station

| E | Time Utility | Time that Notification Was Received or Action Was Taken | | | | | | | | | | | | | | |
|--|--------------|---|------|-------------------------------|----------------------|-----------------------|--------------------|------|--|--|--|--|--|--|--|--|
| EBS/EAS Message 3 rd Protective Action Decision (Evacuate: Sub-areas 8 and 11 Siren Activation EBS/EAS Message | Declared | Illinois State EOC | REAC | State Forward Command Post | Grundy County EOC | Kendall County EOC | Will County EOC | JPIC | | | | | | | | |
| Siren Activation | | N/A | N/A | N/A | 1258 | N/A | N/A | N/A | | | | | | | | |
| EBS/EAS Message | | N/A | N/A | N/A | 1300 | N/A | N/A | N/A | | | | | | | | |
| 3 rd Protective Action Decision Evacuate: Sub-areas 8 and 11 | | 1315 | N/A | N/A | 1325 | N/A | N/A | N/A | | | | | | | | |
| Siren Activation | | N/A | N/A | N/A | 1335 | N/A | N/A | N/A | | | | | | | | |
| EBS/EAS Message | | N/A | N/A | N/A | 1335 | N/A | N/A | N/A | | | | | | | | |
| KI Administration Decision: I Workers and Institutionalized Populations | | 1057 | 1052 | 1055 | 1115 | 1110 | 1108 | | | | | | | | | |

IV. EXERCISE EVALUATION AND RESULTS

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities which participated in the March 26, 2003, exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the Dresden Nuclear Generating Station.

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

A. Summary Results of Exercise Evaluation - Table 2

The matrix presented in Table 2, on the following page(s), presents the status of all exercise criteria from the Federal Register Notice, Vol. 67, No. 80, dated April 25, 2002, that were scheduled for demonstration during this exercise by all participating jurisdictions and functional entities. Exercise criteria are listed by number and the demonstration status of those criteria is indicated by the use of the following letters:

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

TABLE 2. SUMMARY RESULTS OF EXERCISE EVALUATION

DATE AND SITE: March 26, 2003 - Dresden Nuclear Generating Station

| HIDIONGHONGH OCATION | | | | | • | 7 | 2 | 1 | 2 | 2 | - | 2 | 2 | 7 | 1 | 3 | • | 2 | 7 | 2 | 4 | 4 | 7 | 4 | 4 | 8 | 5 | - | | 4 | 6 | 6. | 7 |
|---|---------------|----------|---------------|---------------|----------|---------------|----------|---------------|---------------|----------|---------------|---------------|----|----------|---------------|----------|---------------|----|---------------|----|---------------|---------|----|---------------|----------|---------------|---------------|---------------|---------------|---------------|----------|----|----|
| JURISDICTIONS/LOCATION | 1. a. 1 | 1. b. | l. c. 1 | 1. d. 1 | l. e. | 2. a. 1 | b. | 2. b. 2 | 2. e. 1 | đ. | 2. e. 1 | 3. a. 1 | b. | 3. c. | 3. e. 2 | d. | 3. d. 2 | g. | 3. e. 2 | f. | 4. a. 1 | 4. 2. 2 | 4. | 4. b. 1 | 4. | 5. a. 1 | 5. R. 2 | 5. a. 3 | 5. b. 1 | 6. 2. 1 | 6. b. | c. | d. |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | _1_ | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | |
| STATE OF ILLINOIS | | | | | | | | | | | | | | | | _ | | | | | | | | | | | Ŀ | | | | | | _ |
| | | | | | | | | | | | | | | \Box | | | | _ | | | | | | | | | _ | | | | igsqcut | Ш | _ |
| Initial Notification Point | М | <u> </u> | | М | | | L | | | | | | | | | | L | | | | | | | | | | | | | | igsqcut | Ш | |
| Emergency Operations Center | М | | М | М | М | М | М | M | M | | | | | | | | | _ | | | | | | | | М | | | М | M | М | М | |
| Radiological Emergency Assessment Center (REAC) | м | | м | м | м | М | м | м | М | | | | | | | | | | | | | | | | | | | | м | M | м | м | |
| State Forward Command Post | М | | M | М | М | | | М | | | | M | M | | | M | М | | | | | | | | | М | _ | | М | M | М | М | |
| Traffic and Access Control | | <u> </u> | | М | М | | <u> </u> | | | | | М | M | | | M | _ | | _ | | | | | | <u> </u> | | | | | | | | |
| Joint Public Information Center | М | | М | М | | | | | | | | | | | | | | | | | | | | | | | | | М | | | | |
| Emergency Operations Facility (State Liaison) | м | | | М | | | М | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RAFT (Mobile Laboratory) | М | | М | М | M | | | | | | | M | M | | | | | | | | М | M | М | М | M | | | | | | | | |
| Field Team A (Red) | | | | М | M | | | | | | | M | M | | | | | | | | M | М | M | М | | | | | | | | | |
| Field Team B (Blue) | | | | М | М | | | | | | | М | М | | | | | | | | М | М | М | M | | | | | | | | | |
| Mon./Decon. /Evac. of E.W. & Registration of Evacuees | | | | М | М | | | | | | | М | | | | | | | | | | | | | | | | | | М | | | |
| Mon./Decon. of EW/Equipment | | | | М | М | | | | | | | М | | | | | | | | | | | | | | | | | | | M | | |
| Temporary Care of Evacuees | | 1 | | м | | | | | | | - | | | | | | | | | | Γ | | | | Γ | T | | | | | | М | |
| Medical Services Drill - Transportation | | | | | | | | | | | | υ | U | | | | | | | | | | | | | | | | | | | | |
| | _ | <u> </u> | | L | | | | <u> </u> | | L | | L | | | | <u> </u> | 乚 | | Ŀ | | | | | | | | | | | <u> </u> | _ | | |
| GRUNDY COUNTY | <u> </u> | | | | | | <u> </u> | | | <u> </u> | | | | | | | | | | | | | | | L | | | | | | | | |
| | | | | | | | | | | | | | | | | L | | | | | | | | | | | | | | | | | |
| Initial Notification Point | М | | | М | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emergency Operations Center | М | | A | М | М | | | М | М | | | М | M | М | М | М | М | | | | | | | | | A | | | A/ | | | | |
| Emergency Broadcast System Station (WCSJ AM) | | | | ·M | М | | | | | | | | | , | | | | | | | | | | | | м | | | | | | | |
| Protection Action – Schools Coal City School District | | | | М | М | | | | | | | м | | | М | | | | | | | | | | | | | | | | | | |

LEGEND: M = Met (No Deficiency or ARCA(s) assessed)
D = Deficiency assessed

A = ARCA(s) assessed (Not affecting health and safety of public)
U = Unresolved ARCA(s) from prior exercises

Blank = Not scheduled for demonstration N = Not demonstrated as scheduled (Reason explained in Section IV B)

TABLE 2. SUMMARY RESULTS OF EXERCISE EVALUATION

DATE AND SITE: March 26, 2003 - Dresden Nuclear Generating Station

| | | | | | _ | - | _ | | _ | | | | | | | | | | | | | _ | | _ | | | | | | | | | _ |
|---|----------|----------|----------|----------|--------------|--------------|----------|----------|---------------|----------|----------|----------|----------|----------|---------------|----------|----------|----------|---------------|----------|----------|----|----------|----------|--------------|----------|----------|---------------|----------|---------------|----------|----------|----------|
| JURISDICTIONS/LOCATION | 1. a. | 1. b. | 1. c. | 1. d. | 1. e. | 2. a. | 2. b. | 2. b. | 2. e. 1 | 2. d. | 2. e. | 3. a. | 3. b. | 3. c. | 3. e. 2 | 3. d. | 3. d. | 3. e. | 3. e. 2 | 3. f. | 4. a. | 4. | 4. a. | 4. b. | 4. c. | 5. a. | 5. a. | 5. a. 3 | 5. b. | 6. a. 1 | б. b. | 6. c. | 6. d. |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 |
| WILL COUNTY | | | | | | | | | | | | | | | | | _ | | | | | | | | _ | | | | | | | | |
| | | | | | ļ | | | | | | | | | _ | | | | | | | | | | | | | | | | | | | |
| Initial Notification Point | M. | | | М | <u> </u> | | Ŀ | | | | | | | | | | | Ŀ | | | | | | | <u> -</u> _ | Ŀ | | | · | | | | |
| Emergency Operations Center | М | | М | M | M | | | М | М | يا | | | | | М | L | | | | | | | | | | М | | | M | | | | |
| Emergency Broadcasting Station (WLLI, WJOL, WJTW, WRXQ AM/FM) | | | | | | | | | | | | | | | | | | | | | | | | | · | М | | | | | | | |
| Protection Actions – Schools Troy Community District #30C | | | | М | М | | | | | | | | | | М | _ | | | | _ | | | | | | | | | | | | | |
| | | _ | <u> </u> | _ | | ├ | <u> </u> | | _ | | | _ | | | _ | - | ┝ | _ | _ | <u> </u> | | | _ | <u> </u> | | <u> </u> | - | | | <u> </u> | | | |
| KENDALL COUNTY | | _ | <u> </u> | <u> </u> | ļ | | | _ | | _ | _ | | <u> </u> | | L_ | | ļ | <u> </u> | | <u> </u> | | | | <u> </u> | _ | _ | _ | ŀ | | | | | |
| | | l | | l | Į . | ļ | l | ļ | | | | | | | | | ļ | l | | | | | | ļ | ļ | | l | | | | | | ٠- ا |
| Initial Notification Point | М | | | М | | | | | | | | · | | | Γ | | | | | | | | | | | | | | | | | | |
| Emergency Operations Center | М | | М | М | M | | | М | M | | | М | М | M | | М | М | | | | | | | | | М | | | ٨ | | | | |
| Traffic and Access Control | | | ļ | М | M | | | | | | | М | М | | | М | | | | | | | | | | | | | | | | | |
| Emergency Broadcasting Station (WSPY, AM) | | | | М | | | | | | | | | | | | | | | | | | | | | | м | | | | | | | |
| | _ | <u> </u> | | | | | | | | | | <u> </u> | | | | | | | <u> </u> | | | | | | | | | | | | | | |

LEGEND: M = Met (No Deficiency or ARCA(s) assessed D = Deficiency assessed

A = ARCA(s) assessed (Not affecting health and safety of public) U = Unresolved ARCA(s) from prior exercises

Blank = Not scheduled for demonstration

N = Not demonstrated as scheduled (Reason explained in Section IV.B.)

B. Status of Jurisdictions Evaluated

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

- Met Listing of the demonstrated exercise criteria 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 criteria under which one or more Deficiencies were assessed during this exercise. Included is a description of each Deficiency and recommended corrective actions.
- Area Requiring Corrective Actions Listing of the demonstrated exercise criteria 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 criteria which were not demonstrated as scheduled during this exercise and the reason they were not demonstrated.
- Prior ARCAs Resolved Descriptions of ARCAs assessed during previous exercises which were resolved in this exercise and the corrective actions demonstrated.
- Prior ARCAs Unresolved Descriptions of ARCAs assessed during prior exercises which 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 which are discussed in this report.

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

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

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

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

- Plant Site Identifier A two-digit number corresponding to the Utility Billable Plant Site Codes.
- Exercise Year The last two digits of the year the exercise was conducted.
- Criterion Number An alpha and two-digit number corresponding to the criteria numbers in the six Exercise Evaluation Areas described in Federal Register Notice/Vol. 67, No. 80 dated April 25, 2002, which amends FEMA-REP 14, Radiological Emergency Preparedness Exercise Manual.
- 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 Issue Identification Number A separate two (or three) digit indexing number assigned to each issue identified in the exercise.

1. STATE OF ILLINOIS

1.1 Initial Notification Point

- a. MET: Criteria 1.a.1; 1.d.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.2 Emergency Operations Center (EOC)

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 2.a.1; 2.b.1; 2.b.2; 2.c.1; 5.a.1; 5.b.1; 6.a.1; 6.b.1; 6.c.1
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.3 Radiological Emergency Assessment Center (REAC)

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 2.a.1; 2.b.1; 2.b.2; 2.c.1; 5.b.1; 6.a.1; 6.b.1; 6.c.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.4 State Forward Command Post (SFCP)

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 2.b.2; 3.a.1; 3.b.1; 3.d.1; 3.d.2; 5.a.1; 5.b.1; 6.a.1; 6.b.1; 6.c.1
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- .d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.5 Traffic and Access Control

- a. MET: Criteria 1.d.1; 1.e.1; 3.a.1; 3.b.1; 3.d.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.6 Joint Public Information Center (JPIC)

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 5.b.1
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.7 Emergency Operations Facility (State Liaison)

- a. MET: Criteria 1.a.1; 1.d.1; 2.b.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.8 Radiological Assessment Field Team (RAFT) Mobile Laboratory

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 3.a.1; 3.b.1; 4.a.1; 4.a.2; 4.a.3; 4.b.1; 4.c.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.9 Field Team A (Red)

- a. MET: Criteria 1.d.1; 1.e.1; 3.a.1; 3.b.1; 4.a.1; 4.a.2; 4.a.3; 4.b.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

1.10 Field Team B (Blue)

- a. MET: Criteria 1.d.1; 1.e.1; 3.a.1; 3.b.1; 4.a.1; 4.a.2; 4.a.3; 4.b.1
- b. DEFICIENCY: NONE

- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE
- 1.11 Monitoring and Decontamination of Evacuees and Emergency Workers, Registration of Evacuees Kankakee Community College
 - a. MET: Criterion 1.d.1; 1.e.1; 3.a.1; 6.a.1
 - b. DEFICIENCY: NONE
 - c. AREAS REQUIRING CORRECTIVE ACTION: NONE
 - d. NOT DEMONSTRATED: NONE
 - e. PRIOR ARCAs RESOLVED: NONE
 - f. PRIOR ARCAs UNRESOLVED: NONE
- 1.12 Monitoring and Decontamination of Emergency
 Worker Equipment Kankakee Community College
 - a. MET: Criterion 1.d.1; 1.e.1; 3.a.1; 6.b.1
 - b. DEFICIENCY: NONE
 - c. AREAS REQUIRING CORRECTIVE ACTION: NONE
 - d. NOT DEMONSTRATED: NONE
 - e. PRIOR ARCAs RESOLVED: NONE
 - f. PRIOR ARCAs UNRESOLVED: NONE
- 1.13 Temporary Care of Evacuees Kankakee Community College
 - a. MET: Criterion 1.d.1; 6.c.1
 - b. DEFICIENCY: NONE

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

1.14 Medical Services Drill - MS-1 Transportation

- a. MET: NONE
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: 5 and 14 (under Criteria 3.a.1 & 3.b.1)

Issue No.: 13-98-05-A-01

Description: It was determined, through interviews and observation, that the John Warner Hospital ambulance crew has not been trained on the use of Dosimetry. They were not knowledgeable of their administrative dose limits or of the radiation exposure reading/recording procedures (NUREG-0654: H.10 and K.3.a).

Recommendation: The John Warner Hospital ambulance crews should receive training in the use of Dosimetry and administrative exposure levels, and recording procedures. Additionally, the John Warner/Ambulance Emergency Plan should be revised to reflect these emergency worker protection procedures.

Scheduled of Corrective Actions: Per the IEMA response to this issue, dated May 5, 1999, beginning in 1999. The State of Illinois' proposal under a Pilot Program presented to FEMA is that the State will continue to conduct medical drills to test the State's emergency medical system at the frequency required by FEMA guidance.

FEMA's Response: Medical Services Drills are being conducted under a Pilot Program presented by the State on May 5, 1999. The Pilot Program remains under evaluation and we are working with IEMA and IDNS staff to further demonstrate State and offsite medical capability.

Issue No.: 13-98-14-A-02

Description: By interview with the John Warner Hospital's ambulance personnel, it was determined that neither KI nor appropriate information on the use of KI was issued to the responding ambulance personnel. Training on the use of KI by ambulance personnel has not been conducted, and a discussion with the hospital's ambulance director resulted in agreement that a training program was needed and should be implemented (NUREG-0654: H.10 and K.3.a).

Recommendation: The Clinton Ambulance crew should receive training in the use of KI. Also, the John Warner Hospital/Ambulance Emergency Plan should be revised to be consistent with the requirements of NUREG-0654.

Schedule of Corrective Actions: The corrective actions for this ARCA are dependent on the outcome of FEMA's decision on the State's proposal, as cited in the Schedule of Corrective Actions response for Issue Number 13-98-05-A-01.

FEMA's Response: Medical Services Drills are being conducted under a Pilot Program presented by the State on May 5, 1999. The Pilot Program remains under evaluation and we are working with IEMA and IDNS staff to further demonstrate State and offsite medical capability.

2. RISK JURISDICTIONS

2.1 GRUNDY COUNTY

2.1.1 Initial Notification Point

- a. MET: Criteria 1.a.1; 1.d.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNROSOLVED: NONE

2.1.2 Emergency Operations Center (EOC)

a. MET: Criteria 1.a.1; 1.d.1; 1.e.1; 2.b.2; 2.c.1; 3.a.1; 3.b.1; 3.c.1; 3.c.2; 3.d.2

b. **DEFICIENCY:** NONE

2 X.

c. AREAS REQUIRING CORRECTIVE ACTION: Criteria 1.c.1; 5.a.1; 5.b.1; 5.b.1

ISSUE FOR CRITERION: 20-03-1.c.1-A-01

CONDITION: Tasks assigned by the Chairman of the Board of Commissioners and/or the Duty Officer were not always completed, nor were they always completed in a timely manner.

POSSIBLE CAUSE: The Chairman and the Duty Officer were at times pulled into discussions of issues that prevented them from following up on task or checking on assigned tasks.

REFERENCE: (NUREG-0654, A.1.d., 2.a., b.)

EFFECT: The Chairman did not check with the Duty Officer to verify that he had contacted the radio station. Likewise, the Duty Officer did not contact the radio as he was pulled into a discussion as to what time should be taken from the NARS form for posting on the status board. Information regarding the release from the Dresden Plant was not announced in the EOC, this information would be important as the EOC is in the EPZ and in a sub-area that was evacuated.

RECOMMENDATION: Provide additional training to the decision-makers regarding direction and control and the need to ensure that all delegated tasks are accomplished in a timely manner. Revise procedures to ensure that verification is made to ensure all activities are accomplished. This must be re-demonstrated during the next biennial exercise.

ISSUE FOR CRITERION: 20-03-5.a.1-A-02

CONDITION: The initial alert and notification sequence was not accomplished in a timely manner. The decision was made at 1110 hours to sound sirens at 1115 hours and issue the initial message to the public. The message was not sent to the radio station until 1147 hours, and the radio station would simulate broadcast at 1152 hours.

POSSIBLE CAUSE: The Duty Officer was directed by the County Board Chairman, however, he resumed a discussion he had previously been having with the EOC OPS Officer regarding a NARS form and failed to contact the radio station. The Communications area did fax the message out to the other EOCs and municipalities but stated they were not to fax any messages to the media, including the radio station.

REFERENCE: 10 CFR Part 50, Appendix E & NUREG-0654, E. 1., 4., 5., 6., 7.

EFFECT: The public would have heard the sirens, but would not have heard any message instructing evacuation of specific areas for over one-half hour.

RECOMMENDATION: Provide additional training to the EOC staff on the need for promptness in getting the message out to the public. Review procedures and ensure that they clearly indicate that notifications and message transmittal must be done in a timely manner. This criterion must be re-demonstrated at the next biennial Exercise.

ISSUE FOR CRITERION: 20-03-5.b.1-A-03

CONDITION: The second Alert and Notification sequence, with a new protective action decision, was reversed.

POSSIBLE CAUSE: The Duty Officer notified the radio station at 1239 to read the new message immediately. The sirens were to sound at 1245. The Duty Officer understanding was that the "information had to go out on the radio before the sirens sounded."

REFERENCE: NUREG-0654, E 5, 7; G3a; G4c

EFFECT: Individuals would not be alerted to tune to their designated EBS station prior to the information being disseminated. This could lead to fever people being alerted or a delay in their receiving instructions.

RECOMMENDATION: Provide training to the Duty Officer or County Official(s) responsible for carrying out the Alert and Notification process.

CORRECTIVE ACTION DEMONSTRATED: The next two Alert and Notification sequences were correctly demonstrated by the Chairman of the Board of County Commissioners and the Duty Officer. The timing was that sirens were sounded first and then the EBS message would be broadcasted. Based on the above, this Area Requiring Corrective Action is closed.

ISSUE FOR CRITERION: 20-03-5.b.1-A-04

CONDITION: The media briefing did not provide complete or consistent information to the media. During the briefing, the EBS message was referenced but not provided to the media. In addition, the relocation areas were vaguely described and evacuation routes were not discussed. A telephone number for further information was mentioned but not provided.

POSSIBLE CAUSE: The briefing was pulled together quickly, it was apparent that the presenters had not coordinated their information, and the presenters did not have all the information needed.

REFERENCE: NUREG-0654, E 5, 7; G3a; G4c

EFFECT: Partial, inaccurate, and inconsistent information can result in confusion by the public.

RECOMMENDATION: Provide additional training in media briefings to all potential participants. Coordinate briefing information and verify all local information prior to the briefing.

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

2.1.3 Emergency Broadcasting Station (WCSJ AM)

- a. MET: Criteria 1.d.1; 1.e.1; 5.a.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

2.1.4 Protective Actions for Schools – EV2 (Coal City School District)

- a. MET: Criteria 1.d.1; 1.e.1; 3.a.1; 3.c.2
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

3.1 WILL COUNTY

3.1.1 Initial Notification Point

- a. MET: Criteria 1.a.1; 1.d.1
- b. **DEFICIENCY:** NONE

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

3.1.2 Emergency Operations Center (EOC)

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 2.b.2; 2.c.1; 3.c.2; 5.a.1; 5.b.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

3.1.3 Emergency Broadcasting Station (WLLI/WJOL/WJTW/WRXQ AM/FM)

- a. MET: Criterion 5.a.1
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

3.1.4 Protective Actions for Schools – EV2 (Troy Community Consolidated School District #30C)

- a. MET: Criteria 1.d.1; 1.e.1; 3.c.2
- b. **DEFICIENCY:** NONE

- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- f. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

4.1 KENDALL COUNTY

4.1.1 Initial Notification Point

- a. MET: Criteria 1.a.1; 1.d.1
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: NONE

4.1.2 Emergency Operations Center (EOC)

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 2.b.2; 2.c.1; 3.a.1; 3.b.1; 3.c.1; 3.d.1; 3.d.2; 5.a.1
- b. **DEFICIENCY:** NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: Criterion 5.b.1

ISSUE FOR CRITERION: 20-03-5.b.1-A-05

CONDITION: Kendall County officials were not prepared to hold an effective media briefing and to provide clear and accurate information.

POSSIBLE CAUSE: The County did not determine in advance the purpose and scope of the media briefing and the roles and responsibilities of each presenter. Adequate displays and supporting documentation in the form of media kits were not assembled in advance of the briefing.

REFERENCE: NUREG-0654, G.4.c

EFFECT: The media were given inadequate, misleading and confusing information concerning the emergency response in Kendall County.

RECOMMENDATION: The Kendall County ESDA should receive media training including presenter roles and responsibilities; the purpose, scope, and content of county-level media briefings; and the appropriate content and use of media packets and displays to support each briefing. Presentations should address such areas as impacted populations (including transients, farmers, and school and day-care children who reside inside the EPZ but go to school outside the EPZ, and areas within Kendall County). Media packets should contain copies of relevant news releases and/or EBS messages issued by the county. Displays should be used to show activities associated with their county.

CORRECTED ACTION DEMONSTRATED: Redemonstration of the media briefing began at about 1410 hours. Participants included all of those present at the initial briefing and in addition the IEMA County Liaison.

The briefing was clearly organized, and the presentations focused on issues relating to populations located in Kendall County. When queried by the mock-media about matters going beyond the scope of the county, the media were referred to the JPIC. The impression given to the media was that county representatives understood their roles and responsibilities and provided clear, accurate and appropriate information in response to questions.

Media Kits were available at the beginning of the briefing and contained public information brochures for the Dresden NGS, Maps showing the 10-mile EPZ, emergency planning Sub-Areas, and other pertinent information, including telephone numbers for obtaining further information.

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

4.1.3 Traffic and Access Control

- a. MET: Criteria 1.d.1; 1.e.1; 3.a.1; 3.b.1; 3.d.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE

f. PRIOR ARCAs - UNRESOLVED: NONE

4.1.4 Emergency Broadcasting Station (WSPY FM)

- a. MET: Criterion 1.d.1; 5.a.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs RESOLVED: NONE
- f. PRIOR ARCAs UNRESOLVED: None

APPENDIX 1

ACRONYMS AND ABBREVIATIONS

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

AM Amplitude Modulation
ARC American Red Cross

ARCA Area Requiring Corrective Action

CFR Code of Federal Regulations

DCO Dosimetry Control Officer

EAS
Emergency Alert System
EBS
Emergency Broadcast System
ECL
Emergency Classification Level
EMA
Emergency Management Agency
EOC
Emergency Operations Center
EOF
Emergency Operations Facility
EPZ
Emergency Planning Zone

FEMA Federal Emergency Management Agency

FM Frequency Modulation

GE General Emergency
GM Guidance Memorandum

ICC Illinois Commerce Commission

ICF Consulting

IDNS Illinois Department of Nuclear Safety
IDOT Illinois Department of Transportation
IDNR Illinois Department of Natural Resources
IDPH Illinois Department of Public Health
IEMA Illinois Emergency Management Agency
IEPA Illinois Environmental Protection Agency

ISP Illinois State Police

JPIC Joint Public Information Center

KI Potassium Iodide

mR milliroentgen

mR/h milliroentgen per hour

MS-1 Medical Services Drill

NA Not Applicable

NARS Nuclear Accident Reporting System NRC U.S. Nuclear Regulatory Commission

NUREG-0654 NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and

Evaluation of Radiological Emergency Response Plans and Preparedness

in Support of Nuclear Power Plants," November 1980

ORO Offsite Response Organization

PAD Protective Action Decision

PAR Protective Action Recommendation

PIO Public Information Officer

RAC Regional Assistance Committee

RACES Radio Amateur Civil Emergency Service
REAC Radiological Emergency Assessment Center
RERP Radiological Emergency Response Plan
REP Radiological Emergency Preparedness

SAE Site Area Emergency

SEOC State Emergency Operations Center SFCP State Forward Command Post SOP Standard Operating Procedure

TACP Traffic and Access Control Point
TLD Thermoluminescent Dosimeter
TSC Technical Support Center

APPENDIX 2

EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel who evaluated the Dresden Nuclear Generating Station exercise on March 26, 2003. "TL" indicates evaluator Team Leaders after their organization's names. The organization each evaluator represents is indicated by the following abbreviations:

FEMA

Federal Emergency Management Agency

ICF

ICF Consulting

NRC

Nuclear Regulatory Commission

| EVALUATION SITE | EVALUATOR | ORGANIZATION |
|---|---|----------------------------------|
| RAC Chairperson Exercise Director | Woodie Curtis Bill King | FEMA |
| STATE OF ILLINOIS | | |
| Initial Notification Point | Gary Naskrent - TL | FEMA, Region V |
| Emergency Operations Center Emergency Operations Center Radiological Emergency | Gary Naskrent Rosemary Samsel | FEMA, Region V ICF |
| Assessment Center | Richard Grundstrom | ICF |
| State Forward Command Post | Robert Rospenda | ICF |
| Traffic and Access Control Joint Public Information Center Emergency Operations Facility (State Liaison) | Ron Hatcher George McDonald Kevin Keyes | ICF ICF FEMA, Region III |
| Radiological Assessment Field Team (RAFT) Mobile Laboratory Field Team A (Red) Field Team B (Blue) Monitoring & Decontamination | Eddie Fuente Richard Holtzman Roland Lickus (RAC) | ICF ICF NRC |
| of Evacuees & Emergency Workers, Registration of Evacuee | Kevin Keyes | FEMA, Region III |
| Monitoring & Decontamination of Emergency Equipment Congregate Care | Eddie Fuente Richard Holtzman | ICF ICF |
| GRUNDY COUNTY | | |
| Initial Notification Point Emergency Operations Center | Carolyn Sturghill –TL Carolyn Sturghill | FEMA, Region V FEMA, Region V |

| Emergency Operations Center Emergency Broadcasting Station (WCSJ AM) Protective Action Schools - (EV- 2) Coal City School District | Jane Young Elena Joyner Ed Sachs - Trainee Cleven Lloyd Ed Sachs - Trainee | FEMA, Region VII FEMA, Region IX FEMA, Region V FEMA, Region V FEMA, Region V |
|---|---|---|
| Will COUNTY | | |
| Initial Notification Point Emergency Operations Center Emergency Operations Center Emergency Broadcasting Station (WJOL/WLLI/WJTW WRXQ AM/FM) Protection Action – Schools EV-2 Troy Community School District KENDALL COUNTY | Sandra Bailey – TL Sandra Bailey Angela Hough Cleven Lloyd Cleven Lloyd Ed Sachs - Trainee | FEMA, Region V FEMA, Region III FEMA, Region V FEMA, Region V FEMA, Region V FEMA, Region V |
| Initial Notification Point Emergency Operations Center Emergency Operations Center Traffic and Access Control Emergency Broadcasting Station (WSPY, AM) | Terri C. Hartman - TL Terri Hartman Carl Bebrich Yvette Porter Yvette Porter | FEMA, Region V FEMA, Region V FEMA, Region III FEMA, Region III |

APPENDIX 3

EXERCISE CRITIERA AND EXTENT-OF-PLAY AGREEMENT

This appendix lists the exercise criteria which were scheduled for demonstration during the Dresden Nuclear Generating Station exercise on March 26, 2003, and described in the extent-of-play agreement approved by FEMA Region V on March 7, 2003.

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

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

A. Exercise Criteria

Listed below are the specific Radiological Emergency Preparedness criteria scheduled for demonstration during this exercise.

EVALUATION AREA 1: EMERGENCY OPERATIONS MANAGEMENT

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

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

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

CRITERION 1.e.1: Equipment, maps, displays, dosimetry, potassium iodide (KI), and other supplies are sufficient to support emergency operations.

EVALUATION AREA 2: PROTECTIVE ACTION DECISION-MAKING

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

CRITERION 2.b.1: Appropriate protective action recommendations are based on available information on plant conditions, field monitoring data, and licensee and ORO dose projections, as well as knowledge of on-site and off-site environmental conditions.

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

CRITERION 2.c.1: Protective action decisions are made, as appropriate, for special population groups.

EVALUATION AREA 3: PROTECTIVE ACTION IMPLEMENTATION

CRITERION 3.a.1: The OROs issue appropriate dosimetry and procedures, and manage radiological exposure to emergency workers in accordance with the plans and procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart.

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

CRITERION 3.c.1: Protective action decisions are implemented for special populations other than schools within areas subject to protective actions.

CRITERION 3.c.2: OROs/School officials decide upon and implement protective actions for schools.

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

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

EVALAUTION AREA 4: FIELD MEASUREMENT AND ANALYSIS

CRITERION 4.a.1: The field teams are equipped to perform field measurements of direct radiation exposure (cloud and ground shine) and to sample airborne radioiodine and particulates.

CRITERION 4.a.2: Field teams are managed to obtain sufficient information to help characterize the release and to control radiation exposure.

CRITERION 4.a.3: Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams will move to an appropriate low background location to determine whether any significant (as

specified in the plan and/or procedures) amount of radioactivity has been collected on the sampling media.

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

CRITERION 4.c.1: The laboratory is capable of performing required radiological analyses to support protective action decisions.

EVALUATION AREA 5: EMERGENCY NOTIFICATION & PUBLIC INFORMATION

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

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

EVALUATION AREA 6: SUPPORT OPERATION/FACILITIES

CRITERION 6.a.1: The reception center/emergency worker facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees and/or emergency workers.

CRITERION 6.b.1: The facility/ORO has adequate procedures and resources for the accomplishment of monitoring and decontamination of emergency worker equipment including vehicles.

CRITERION 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines (found in MASS CARE-Preparedness Operations, ARC 3031). Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

B. Extent-of-Play Agreement

The extent-of-play agreement on the following pages was submitted by the State of Illinois and was approved by FEMA Region V, in preparation for the Dresden Nuclear Generating Station exercise on March 26, 2003. The extent-of-play agreement includes any significant modification or change in the level of demonstration of each exercise criterion listed in Subsection A of the appendix.

STATE OF ILLINOIS EXTENT-OF-PLAY AGREEMENT

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

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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

The State Emergency Operations Center (EOC) will be fully activated. The IEMA Emergency Response Telecommunicator will implement procedures for notification of IEMA staff as defined in IEMA SOPs. State agency liaisons will be contacted and will report to the State EOC. A roster will be provided to demonstrate 24-hour staffing of the State EOC.

The State Forward Command Post (SFCP) at the IEMA building South of Morris will be activated with State district and regional personnel. IEMA personnel will be prepositioned in the local area and dispatched to the Grundy County EOC, Will County EOC, Kendall County EOC, SFCP, the JPIC and the EOF.

The IDNS Telecommunicator will implement notification procedures in accordance with IDNS SOPs. REAC will be fully activated. A roster will be provided to demonstrate a 24-hour staffing of the REAC. RAFT will be fully activated in Mazon. IDNS personnel will be prepositioned in the local area for response to the Grundy County EOC, Will County EOC, Kendall County EOC, SFCP, JPIC, EOF and TSC.

The prepositioned State staff will begin exercise play no earlier than the Alert ECL.

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

This criterion will not be demonstrated during this exercise.

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

The ability to direct and control emergency response activities will be demonstrated at the State EOC, REAC, the SFCP, RAFT and the JPIC. Coordination will be demonstrated between the State EOC, REAC, the SFCP, RAFT, the JPIC, the EOF and the county EOCs.

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

IEMA will use a variety of communication systems [Nuclear Accident Reporting System (NARS), telefax, commercial telephone, radio] to communicate with other organizations and locations.

IDNS (intra/inter-agency) communications capabilities will be demonstrated in accordance with appropriate SOPs (e.g. NARS, telefax, commercial telephone, radio).

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

The State of Illinois will demonstrate the use of equipment, maps and displays to support emergency operations. The use of dosimetry and KI will be demonstrated at the SFCP and RAFT. An equipment check will be performed at RAFT. The Exposure Control Officer at RAFT will provide information regarding dosimetry inventory. DCO logs will be available from the IDNS liaisons in the county EOCs.

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION MAKING

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

The ability to make the decision to recommend the use of KI to emergency workers will be demonstrated by IDNS in REAC. A message will be injected to drive the decision to authorize exposure in excess of administrative limit.

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

REAC will evaluate the licensee information and complete independent dose projections based on that information and simulated field monitoring data. REAC will make an evaluation of the data and make a protective action recommendation to the State EOC.

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

The coordination to determine protective action recommendations (PARs) based upon available shelters, evacuation time estimates and other relevant factors will be demonstrated between the State EOC and REAC.

Criterion 2.c.1: Protective action decisions are made, as appropriate, for special population groups.

The coordination to determine protective action recommendations (PARs) based upon available shelters, evacuation time estimates and other relevant factors will be demonstrated between the State EOC and REAC.

The ability to make the decision to recommend the use of KI to institutional persons will be demonstrated by IDNS in REAC.

Criterion 2.d.1: Radiological consequences for the ingestion pathway are assessed and appropriate protective action decisions are made based on the OROs planning criteria.

This criterion will not be demonstrated during this exercise.

Criterion 2.e.1: Timely re-location, re-entry and return decisions are made and coordinated as appropriate, based on assessments of the radiological conditions and criteria in the OROs plan and/or procedures.

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

Criterion 3.a.1: The OROs issue appropriate dosimetry and procedures, and manage radiological exposure to emergency workers in accordance with the plan and procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart.

This will be demonstrated during the traffic and access control demonstration at the SFCP. The Illinois State Police will bring dosimetry packets to the SFCP from their district headquarters. This criterion will also be demonstrated at RAFT.

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

This will be demonstrated during the traffic and access control demonstration. The Illinois State Police will bring dosimetry packets to the SFCP from their district headquarters. This criterion will also be demonstrated at RAFT.

Criterion 3.c.1: Protective action decisions are implemented for special population groups within areas subject to protective actions.

This criterion does not apply to the State of Illinois.

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

This criterion does not apply to the State of Illinois.

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

This will be demonstrated by the State through coordination between the SFCP and the county EOCs, in accordance with the Dresden Station EPZ Traffic and Access Control Procedures. The Illinois State Police (ISP) will demonstrate one traffic and access control post during the exercise. The post for the demonstration will be selected by the ISP during the exercise based on exercise play. The Trooper will drive to the selected post location for the demonstration. The staffing of the remaining State posts will be simulated.

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

This will be demonstrated through discussions at the SFCP between the Illinois State Police and Illinois Department of Transportation. A message will be injected by a Controller that will drive this demonstration. State personnel will deal with the impediment by discussing the need for equipment, discussing its estimated time of arrival, etc. Simulated contacts with resource providers will be logged.

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

This criterion will not be demonstrated during this exercise.

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

This criterion will not be demonstrated during this exercise.

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

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

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

This criterion will be demonstrated by IDNS at RAFT with field teams performing radiation measurements with various monitoring equipment. Air samples will be taken with charcoal cartridges and the availability of silver zeolite cartridges will be indicated. Air samples will also be taken with particulate filters and the filters analyzed at the Mobile Laboratory.

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

This criterion will be demonstrated by IDNS at RAFT.

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

This criterion will be demonstrated by IDNS at RAFT.

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

This criterion will be demonstrated by IDNS at RAFT. Samples appropriate to the area and season will be collected and transported in accordance with IDNS SOPs.

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

This criterion will be demonstrated by the IDNS Mobile Laboratory at RAFT. Samples appropriate to the area, season and scenario will be provided to the lab, prepared and analyzed in accordance with IDNS SOPs.

EVALUATION AREA 5 - EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

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

The State's role in demonstrating this criterion is limited to transmitting the State's protective action recommendation (PAR) to the counties and monitoring the instructional messages provided to the public by the counties. This monitoring will be accomplished by IEMA representatives in the county EOCs.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Activities associated with FEMA approved exception areas (where applicable) are completed within 45 minutes following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. Backup alert and notification of the public is completed within 45 minutes following the detection by the ORO of a failure of the primary alert and notification system.

This criterion does not apply to the State of Illinois.

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

This will be demonstrated at the JPIC in coordination with the State EOC, REAC, SFCP and the county EOCs. IEMA and IDNS personnel will be present at the JPIC to coordinate with the utility staff. Media briefings will be conducted at the JPIC.

A rumor control phone bank for public inquiries will be operated by the State during the exercise.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

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

During the exercise, the capability to determine which centers should be activated for monitoring, decontamination and registration will be demonstrated through coordination between the SFCP and REAC.

This criterion will be demonstrated at the Kankakee Junior High School. Two portal monitors will be set up during the demonstration. The appropriate number of evacuees will be processed to meet the 20% in 12 hours requirement.

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

During the exercise, the capability to determine which centers should be activated for monitoring, decontamination and registration will be demonstrated through coordination between the SFCP and REAC.

This criterion will be demonstrated at the Kankakee Junior High School. Two portal monitors will be set up during the demonstration. The ability to decontaminate emergency workers, equipment and vehicles will be fully demonstrated by IDNS RAFT personnel.

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning

guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

During the exercise, the capability to determine which centers should be activated for monitoring, decontamination and registration will be demonstrated through coordination between the SFCP and REAC.

This criterion will be demonstrated at the Kankakee Junior High School. Local organizations responsible for operating a reception and congregate care center will be present to demonstrate this criterion.

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

This criterion may be selected.

GRUNDY COUNTY EXTENT OF PLAY AGREEMENT

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

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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

Grundy County intends to fully activate the Emergency Operations Center and activate facilities in a timely manner. Grundy County will implement notification procedures as defined in IPRA-Dresden. Representatives from IEMA, IDNS, and Exelon will staff the County EOC but will not be pre-positioned in the EOC. A roster will be provided to demonstrate 24-hour County staffing of the EOC.

The Grundy County Sheriff=s Department will allow an evaluator to observe and evaluate the initial NARS message and notification at the Sheriff=s Communications Center.

- Telecommunicator=s shift change takes place at 7 a.m. There is an exchange of information between shifts, usually from 6:50 a.m. to 7:10 a.m. Evaluators are asked not to be disruptive to this process.
- If major events occur or are occurring, evaluators will be asked to leave.
- Evaluators must present proper identification.
- This has been approved by Sheriff Olson and Chief Deputy Terry Marketti.

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

This criterion will not be demonstrated during this exercise.

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

Decision making will be demonstrated at the State EOC and Grundy County EOC. Coordination of decisions and emergency activities will be demonstrated between Grundy County, the State EOC, SFCP and the JPIC, and between the County and municipalities within the EPZ. Coordination between Grundy County, Will County and Kendall County will be demonstrated.

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

Grundy County will use NARS, commercial telephone, radio and telefax to communicate with departments and agencies at other locations.

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

Grundy County will adequately demonstrate the ability to support operations through the use of maps, status boards and other displays as appropriate. The availability of dosimetry and KI will be demonstrated at the County EOC and during the school interview. Availability means that you have dosimetry and KI and will show it.

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION MAKING

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

This criterion does not apply to Grundy County.

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

This criterion does not apply to Grundy County.

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

The State of Illinois will make protective action recommendations to Grundy County officials in the County EOC. The Grundy County officials will make the final decision regarding what protective actions will be recommended to the public. The KI program is a State program and Grundy County does not participate in the distributing or storing for anyone other than Grundy County emergency workers and institutionalized populations, in accordance with the IPRA.

Criterion 2.c.1: Protective action decisions are made, as appropriate, for special population groups.

The State of Illinois will make protective action recommendations to Grundy County officials in the County EOC. The Grundy County officials will make the final decision regarding what protective actions will be recommended for special population groups.

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

This criterion does not apply to Grundy County.

Criterion 2.e.1: Timely re-location, re-entry and return decisions are made and coordinated as appropriate, based on assessments of the radiological conditions and criteria in the OROs plan and/or procedures.

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

Criterion 3.a.1: The OROs issue appropriate dosimetry and procedures and manage radiological exposure to emergency workers in accordance with the plan and procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart.

Grundy County will demonstrate this criterion by close coordination with IDNS and timely dissemination and exchange of information within the County Dosimetry Control Officer network. Exercise messages will be injected which will ensure the opportunity to demonstrate this criterion in the County EOC. This criterion will also be demonstrated during the school interview.

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

Currently there are ample supplies of KI at nursing homes and hospitals. When notified by the State of Illinois to distribute and administer KI to emergency workers and immobile populations, Grundy County officials will discuss the issuance of KI, as a voluntary measure.

Criterion 3.c.1: Protective action decisions are implemented for special population groups within areas subject to protective actions.

This will be demonstrated by Grundy County through the simulated implementation of the appropriate task assignments. The appropriate officials will coordinate transportation and receiving facilities for special populations. One of each type of special facility will be contacted during the exercise. One of each type of transportation provider (ambulance/bus) will be contacted during the exercise.

- A recreational facility, a nursing home, a public school and an industry are the special facilities to be called. The Sheriff or the EMA Liaison in the municipality where the special facility is located will make the call(s).
- The bus service will be contacted, but will not respond. The call will be made by the Regional Superintendent of Schools.
- The Ambulance service will be contacted, but will not respond. The call will be made by the Sheriffs representative or the Health Department representative.

Special facilities are defined as: recreational facilities, camp grounds, Boy Scout camp, membership clubs, golf courses and rest areas. Special populations are defined as:

hospitals, nursing homes, correctional facilities, special needs populations and transportation dependant individuals. Schools are defined as: all schools and nursery schools. Industries are defined as: manufacturing, making finished products, making products to be shipped and any business providing a product.

The Special Needs List will be available for inspection in the County EOC during the exercise.

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

Grundy County officials will demonstrate this capability through the simulated implementation of the appropriate task assignment in the County EOC. A school interview will be conducted at the Coal City Community Unit School District during the week of the exercise. The District Superintendent, a Principal, a teacher and the transportation coordinator will be present at the interview.

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

This criterion does not apply to Grundy County. Grundy County is not responsible for staffing any of the designated traffic and access control posts.

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

The Grundy County EOC staff will demonstrate the capability to identify and take appropriate actions concerning impediments to evacuation. A message will be injected by the Controller that will drive this demonstration. County personnel will deal with the impediment by identifying the equipment needed, discussing its estimated time of arrival, etc. Simulated contacts with resource providers will be logged. Grundy County will take care of County roads and State will take care of State roads.

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

This criterion does not apply to Grundy County.

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

This criterion does not apply to Grundy County.

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

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to Grundy County.

EVALUATION AREA 5 - EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

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

Grundy County will demonstrate the capability to provide both an alert signal and an initial instructional message to populated areas throughout the 10-mile plume pathway EPZ in a timely manner after their decision to activate the alert and notification system to implement protective action recommendations (PAR).

This capability will be demonstrated through the simulated activation of the Dresden Station EPZ Prompt Notification System as defined in IPRA-Dresden. The Prompt Notification System (outdoor warning sirens) will not be activated during the exercise.

The ability to provide instructions to the public will be demonstrated through the simulated activation of the local radio station. The local radio station (WCSJ) will be contacted during the first alert and notification sequence. An evaluator will be positioned at the radio station during the exercise to monitor the initial message.

Coordination between Grundy County, Will County and Kendall County will be demonstrated.

Faxing messages to the JPIC is not a high priority and will follow local revised procedures.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Activities associated with FEMA approved exception areas (where applicable) are completed within 45 minutes following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. Backup alert and notification of the public is completed within 45 minutes following the detection by the ORO of a failure of the primary alert and notification system.

This criterion does not apply to Grundy County.

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

Grundy County will demonstrate this criterion by using pre-scripted messages as indicated in IPRA-Dresden or ad hoc messages will be developed. Contact with the radio station will be simulated for each alert and notification sequence following the initial sequence.

The ability to provide information to the media will be demonstrated by Grundy County through briefings held at the Grundy County media briefing location. If real media are not present for the briefings, the controller and observers will serve as mock media. Evaluators will not serve as mock media.

The ability to deal with rumors will be demonstrated by Grundy County through coordination between the County EOC and the JPIC. The Grundy County EOC Controller will inject exercise messages which will ensure the opportunity to demonstrate this criterion. County officials will investigate and address rumors. If appropriate, the rumors will be coordinated between State and County officials in the County EOC and the JPIC.

County emergency broadcast messages and news releases, if issued, will be faxed to the JPIC.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to Grundy County.

WILL COUNTY EXTENT-OF-PLAY AGREEMENT

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

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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

Will County intends to partially activate the Emergency Operations Center (EOC) in Joliet, Illinois. The County will implement notification procedures as defined in IPRA-Dresden. The following Will County officials will staff the County EOC: County Executive, Emergency Management Director, Sheriff and PIO. Representatives from IEMA, IDNS and Exelon will staff the County EOC but will not be pre-positioned in the EOC. A roster will be provided to demonstrate 24-hour County staffing of the EOC.

An evaluator will be positioned at the County Sheriff=s Communications Center (initial warning point) at the start of the exercise.

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

This criterion will not be demonstrated during this exercise.

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

Decision making will be demonstrated at the State EOC and Will County EOC. Coordination of decisions and emergency activities will be demonstrated between Will County, the State EOC, SFCP and the JPIC, and between the County and municipalities within the EPZ. Coordination between Will County, Grundy County and Kendall County will be demonstrated.

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

Will County will use NARS, commercial telephone, radio and telefax to communicate with departments and agencies at other locations.

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

Will County will demonstrate the ability to support operations through the use of maps, status boards and other displays as appropriate. The availability of dosimetry and KI will be demonstrated during the school interview.

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION MAKING

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

This criterion does not apply to Will County.

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

This criterion does not apply to Will County.

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

The State of Illinois will make protective action recommendations to Will County officials in the County EOC. The Will County officials will make the final decision regarding what protective actions will be recommended to the public.

Criterion 2.c.1: Protective action decisions are made, as appropriate, for special population groups.

The State of Illinois will make protective action recommendations to Will County officials in the County EOC. The Will County officials will make the final decision regarding what protective actions will be recommended for special population groups.

Criterion 2.d.1: Radiological consequences for the ingestion pathway are assessed and appropriate protective action decisions are made based on the OROs planning criteria.

This criterion does not apply to Will County.

Criterion 2.e.1: Timely re-location, re-entry and return decisions are made and coordinated as appropriate, based on assessments of the radiological conditions and criteria in the OROs plan and/or procedures.

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

Criterion 3.a.1: The OROs issue appropriate dosimetry and procedures, and manage radiological exposure to emergency workers in accordance with the plan and procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart.

This criterion will not be demonstrated during this exercise.

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

This criterion will not be demonstrated during this exercise.

Criterion 3.c.1: Protective action decisions are implemented for special population groups within areas subject to protective actions.

This criterion will not be demonstrated during this exercise.

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

A school interview will be conducted with the Troy Community Consolidated School District during the week of the exercise. The District Superintendent, a Principal, a teacher and the transportation coordinator will be present at the interview.

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

This criterion will not be demonstrated during this exercise.

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

This criterion will not be demonstrated during this exercise.

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

This criterion does not apply to Will County.

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

This criterion does not apply to Will County.

62

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

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to Will County.

EVALUATION AREA 5 - EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

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

Will County will demonstrate the capability to provide both an alert signal and an initial instructional message to populated areas throughout the 10-mile plume pathway EPZ in a timely manner after their decision to activate the alert and notification system to implement protective action recommendations (PAR).

This capability will be demonstrated through the simulated activation of the Dresden Station EPZ Prompt Notification System as defined in IPRA-Dresden. The Prompt Notification System (outdoor warning sirens) will not be activated during the exercise.

The ability to provide instructions to the public will be demonstrated through the simulated activation of the local radio station. The local radio station (WJOL/WLLI/WJTW/WRXQ) will be contacted during the first alert and notification sequence. An evaluator will be positioned at the radio station during the exercise to monitor the initial message.

Coordination between Will County, Grundy County and Kendall County will be demonstrated.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Activities associated with FEMA approved exception areas (where applicable) are completed within 45 minutes following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. Backup alert and notification of the public is completed within 45 minutes following the detection by the ORO of a failure of the primary alert and notification system.

This criterion does not apply to Will County.

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

Will County will demonstrate a portion of this criterion by using pre-scripted messages as indicated in IPRA-Dresden. Contact with the radio station will be simulated for each alert and notification sequence following the initial sequence.

Media briefings and the ability to deal with public inquiries will not be demonstrated during this exercise.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to Will County.

Kendall County will demonstrate this criterion by close coordination with IDNS and timely dissemination and exchange of information within the County Dosimetry Control Officer network. Exercise messages will be injected which will ensure the opportunity to demonstrate this criterion in the County EOC.

This criterion will also be demonstrated during the traffic and access control demonstration.

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

When notified by the State of Illinois to distribute and administer KI, Kendall County officials will discuss the issuance of KI to emergency workers and immobile populations, as a voluntary measure.

Criterion 3.c.1: Protective action decisions are implemented for special population groups within areas subject to protective actions.

This will be demonstrated by Kendall County through the simulated implementation of the appropriate procedures. The appropriate officials will coordinate transportation and receiving facilities for special populations. One of each type of special facility will be contacted during the exercise. One of each type of transportation provider (ambulance/bus) will be contacted during the exercise.

The Mobility Impaired List will be available for inspection in the County EOC during the exercise.

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

This criterion does not apply to Kendall County. There are no schools in the Kendall County portion of the EPZ.

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

Coordination between Kendall County agencies designated to provide traffic and access control will be exhibited in the County EOC. A Sheriff—s deputy will be available during the exercise to demonstrate the staffing of one post. The post for the demonstration will be selected by Kendall County during the exercise based on exercise play. The deputy will drive to the selected post location for the demonstration. The staffing of the remaining posts will be simulated.

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

The Kendall County EOC staff will demonstrate the capability to identify and take appropriate actions concerning impediments to evacuation. A message will be injected by the Controller that will drive this demonstration. County personnel will deal with the impediment by identifying the equipment needed, discussing its estimated time of arrival, etc. Simulated contacts with resource providers will be logged.

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

This criterion does not apply to Kendall County.

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

This criterion does not apply to Kendall County.

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

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to Kendall County.

<u>EVALUATION AREA 5 - EMERGENCY NOTIFICATION AND PUBLIC INFORMATION</u>

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

Kendall County will demonstrate the capability to provide both an alert signal and an initial instructional message to populated areas throughout the 10-mile plume pathway EPZ in a timely manner after their decision to activate the alert and notification system to implement protective action recommendations (PAR).

This capability will be demonstrated through the simulated activation of the Dresden Station EPZ Prompt Notification System as defined in IPRA-Dresden. The Prompt Notification System (outdoor warning sirens) will not be activated during the exercise.

The ability to provide instructions to the public will be demonstrated through the simulated activation of the local radio station. The local radio station (WSPY) will be contacted during the first alert and notification sequence. An evaluator will be positioned at the radio station during the exercise to monitor the initial message.

Coordination between Kendall County, Grundy County and Will County will be demonstrated.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Activities associated with FEMA approved exception areas (where applicable) are completed within 45 minutes following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. Backup alert and notification of the public is completed within 45 minutes following the detection by the ORO of a failure of the primary alert and notification system.

This criterion does not apply to Kendall County.

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

Kendall County will demonstrate this criterion by using pre-scripted messages as indicated in IPRA-Dresden or ad hoc messages will be developed. Contact with the radio station will be simulated for each alert and notification sequence following the initial sequence.

The ability to provide information to the media will be demonstrated by Kendall County through briefings held at the Kendall County media briefing location. If real media are not present for the briefings, the controller and observers will serve as mock media. Evaluators will not serve as mock media.

The ability to deal with rumors will be demonstrated by Kendall County through coordination between the County EOC and the JPIC. The Kendall County EOC Controller will inject exercise messages which will ensure the opportunity to demonstrate this criterion. County officials will investigate and address rumors. If appropriate, the rumors will be coordinated between State and County officials in the County EOC and the JPIC.

County emergency broadcast messages and news releases, if issued, will be faxed to the JPIC.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to Kendall County.

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 during the Dresden Nuclear Generating Station exercise on March 26, 2003.

The Plume Pathway exercise scenario was submitted by the States of Illinois and Exelon Nuclear Energy Corporation, and approved by FEMA Region V on March 7, 2003.

During the exercise, controllers injected messages via telephone 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 March 26, 2003, Dresden Nuclear Generating Station exercise timeline for the State of Illinois and the Counties of Grundy, Will and Kendall. All time intervals are approximate.

DRESDEN NUCLEAR GENERATING STATION MARCH 26, 2003, EXERCISE OFF-SITE TIMELINE

| | · |
|---------------------|--|
| Approx. <u>Time</u> | Event/Anticipated Response |
| 0745 | Initial Conditions/Weather forecast message to players |
| | · |
| 0800 | An ALERT is declared at Dresden Station. |
| 0815 | Exelon notifies IEMA and IDNS Telecommunicators of the ALERT via NARS. |
| i | IEMA Telecommunicator verifies the NARS message. |
| | IDNS Telecommunicators activates the IDNS response team. |
| | IDNS Duty Officer contacts the Dresden Station Shift Engineer. |
| | IEMA Telecommunicator notifies IEMA personnel of the ALERT per SOP. |
| | IEMA may dispatch liaisons to the county EOCs, Forward Command Post, JPIC and EOF, if appropriate. |
| | IEMA notifies Governor's Office of the ALERT. (Simulated) |
| | IEMA may activate the State EOC, if appropriate. |
| | IEMA Telecommunicator notifies appropriate State agencies of the ALERT. (Simulated) |
| | IEMA notifies FEMA of the ALERT. (Simulated) |
| 0830 | IEMA Telecommunicator notifies the counties of the ALERT via NARS |
| • | County telecommunicators complete and verify the NARS message. |
| | County telecommunicators notify county officials and municipalities of the ALERT per SOP. |
| | Counties may activate the EOCs, if appropriate. |

Approx.

Time Event/Anticipated Response

Municipal Telecommunicators complete and verify the NARS message.

Municipal Telecommunicators notify officials of the ALERT per SOP.

1015 A SITE AREA EMERGENCY is declared at Dresden Station.

Exelon notifies IEMA and IDNS Telecomunicators of the SITE AREA EMERGENCY via NARS.

IEMA Telecommunicator verifies the NARS message.

REAC contacts the Dresden Station Shift Engineer.

State EOC is activated if not previously activated.

IEMA notifies Governor's Office and requests that a representative report to the State EOC. (Simulated)

IEMA dispatches liaisons to the county EOCs, Forward Command Post, JPIC and EOF, if not previously dispatched.

IEMA notifies FEMA of conditions. (Simulated)

IEMA notifies State agencies (Simulated):

- Illinois State Police
- IDOT/Division of Highways
- IDOT/Division of Aeronautics
- IDNR
- Illinois National Guard
- ICC
- American Red Cross
- IDPH
- IDOC
- IEPA
- OSFM
- others as appropriate

IDNS contacts Federal and State support agencies. (Simulated)

Time Event/Anticipated Response

REAC provides an update to the State EOC Liaison and County EOC Liaisons.

REAC provides an update to the IDNS PIO.

1045 IEMA notifies the counties of the SITE AREA EMERGENCY via NARS.

County telecommunicators complete and verify the NARS message.

County telecommunicators notify County officials and municipalities of the SITE AREA EMERGENCY per SOP.

County EOCs are activated if not previously activated.

Counties implement public notification procedures, if appropriate. (Simulated).

Municipal Telecommunicators complete and verify the NARS message.

Municipal Telecommunicators notify officials per SOP.

Dosimetry is issued to emergency personnel, EOC staff and exposure records are completed.

1130 A GENERAL EMERGENCY is declared at Dresden Station.

Exelon notifies IEMA and IDNS Telecommunicators of the GENERAL EMERGENCY via NARS. Protective actions are recommended.

IEMA Telecommunicator verifies the NARS message.

The State EOC and REAC evaluate the protective action recommendation.

A recommendation is made to the Governor. The Governor recommends that protective actions be implemented.

State EOC staff is advised of the situation.

IEMA advises State Forward Command Post, the EOC liaisons and JPIC staff of the situation.

IEMA notifies FEMA of conditions. (Simulated)

Approx.

<u>Time</u> <u>Event/Anticipated Response</u>

1145 (cont.) IDNS contacts Federal and State support agencies. (Simulated)

REAC provides an update to the State EOC Liaison and the county EOC Liaisons.

REAC provides an update to the IDNS PIO.

1200 IEMA notifies the counties of the GENERAL EMERGENCY and the recommended protective actions via NARS.

County Telecommunicators complete and verify the NARS message.

County Telecommunicators notify County officials, and municipalities per SOP.

County officials decide what protective actions will be recommended and implement public notification procedures and traffic and access control per SOPs, as applicable.

Municipal Telecommunicators complete and verify and the NARS message.

Municipal Telecommunicators notify EOC staff.

1330 The exercise is terminated.