



Federal Emergency Management Agency

Region V

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

August 2, 2000

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

Dear Mr. Dyer:

Enclosed is a copy of the Final Report for the April 26, 2000 Biennial Radiological Emergency Preparedness (REP) Exercise for the Clinton Power Station. The State of Illinois and DeWitt, Macon, McLean and Piatt Counties participated in this exercise. AmerGen Energy, the utility operator, also participated in this exercise. Copies of this report were transmitted to the Nuclear Regulatory Commission's (NRC) National Office, the Federal Emergency Management Agency's (FEMA) National Office, and the State of Illinois.

There were no Deficiencies. Two prior unresolved Areas Requiring Corrective Action (ARCAs) for the State of Illinois remain unresolved pending the outcome of FEMA's review of the revised "Illinois Medical Drill Proposal and Regional Assessment", dated May 5, 2000. One new ARCA was assigned to McLean County. A detailed discussion of the new ARCA can be found in Part IV of the final report.

Based on the results of the April 26, 2000 exercise, the offsite radiological emergency response plans and preparedness for the State of Illinois and DeWitt, Macon, McLean and Piatt Counties, site-specific to the Clinton Power 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 of the Code of Federal Regulations (44CFR), Part 350 approval of the State site-specific offsite radiological emergency response plans and preparedness for the Clinton Power Station, granted on August 3, 1987, remains in effect.

If you have any questions, please let me know or have a member of your staff contact Woodie Curtis at (312) 408-5528 or Clinton E. Crackel at (312) 408-5545.

Sincerely,

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

Janet M. Odesho
Acting Regional Director

Enclosure

AUG 7 2000



Final Exercise Report

Clinton Power Station

Licensee	AmerGen Energy Company
Exercise Date	April 26, 2000
Report Date	July 26, 2000

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

TABLE OF CONTENTS

	Page
I. EXECUTIVE SUMMARY	1
II. INTRODUCTION	2
III. EXERCISE OVERVIEW	4
A. Plume Emergency Planning Zone Description	4
B. Exercise Participants.....	4
C. Exercise Timeline	7
IV. EXERCISE EVALUATION AND RESULTS	8
A. Summary Results of Exercise Evaluation	8
B. Status of Jurisdictions Evaluated	10
1. STATE OF ILLINOIS	12
1.1 State Emergency Operations Center	12
1.2 Emergency Operations Facility.....	12
1.3 Joint Public Information Center.....	12
1.4 Radiological Emergency Assessment Center	13
1.5 Monitoring and Decontamination Center	13
1.6 State Forward Command Post	13
1.7 MS-1 Drill - Transportation	13
1.8 Traffic and Access Control	15
2. RISK JURISDICTIONS	15
2.1 DEWITT COUNTY.....	15
2.1.1 County Emergency Operations Center	15
2.1.2 Initial Notification Point	15
2.1.3 Local Media Briefing.....	16
2.1.4 Traffic and Access Control	16
2.1.5 EBS Radio Station WJBC/WBNQ/WBWN	16
2.1.6 Deland-Weldon School District (EV-2).....	17

3.	SUPPORT JURISDICTIONS.....	17
3.1	MACON COUNTY.....	17
3.1.1	County Emergency Operations Center	17
3.1.2	Traffic and Access Control	17
3.2	MCLEAN COUNTY.....	18
3.2.1	County Emergency Operations Center	18
3.2.2	Traffic and Access Control	18
3.3	PIATT COUNTY.....	19
3.3.1	County Emergency Operations Center	19
3.3.2	Traffic and Access Control	19

List of Appendices

APPENDIX 1 - ACRONYMS AND ABBREVIATIONS	20
APPENDIX 2 - EXERCISE EVALUATORS AND TEAM LEADERS.....	22
APPENDIX 3 - EXERCISE OBJECTIVES AND EXTENT-OF-PLAY AGREEMENT	24
APPENDIX 4 - EXERCISE SCENARIO	42

List of Tables

Table 1 - Exercise Timeline.....	7
Table 2 - Summary Results of Exercise Evaluation	9

I. EXECUTIVE SUMMARY

On April 26, 2000, an exercise was conducted in the plume exposure pathway emergency planning zone (EPZ) around the Clinton Power 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 (RERP) and procedures.

The most recent exercise at this site was conducted on November 18, 1998. The qualifying emergency preparedness exercise was conducted on January 13, 1987.

FEMA wishes to acknowledge the efforts of the many individuals who participated in this exercise. In the State of Illinois the risk counties of DeWitt, McLean, Macon and Piatt 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.

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 and one Area Requiring Corrective Action (ARCA) identified as a result of this exercise.

II. INTRODUCTION

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

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

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

- Taking the lead in offsite emergency planning and in the review and evaluation of RERPs and procedures developed by State and local governments;
- Determining whether such plans and procedures can be implemented on the basis of the evaluation of 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 Clinton Power Station to FEMA Region V by the State of Illinois and involved local jurisdictions occurred on November 25, 1986. Formal approval of these RERPs was granted by FEMA on August 3, 1987, under 44 CFR 350.

A REP exercise was conducted on April 26, 2000 by FEMA Region V to assess the capabilities of State and local offsite emergency preparedness organizations in implementing their RERPs and procedures to protect the public health and safety during a radiological emergency involving the Clinton Power 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-REP-15, "Radiological Emergency Preparedness Exercise Evaluation Methodology," September 1991.

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

Section IV of this report, entitled "Exercise Evaluation and Results," presents detailed information on the demonstration of applicable exercise objectives at each jurisdiction or functional entity evaluated in a jurisdiction-based, issues only format. This section also contains: (1) description of the ARCA assessed during this exercise, recommended corrective action, 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 April 26, 2000, exercise to test the offsite emergency response capabilities in the area surrounding the Clinton Power Station. This section of the exercise report includes a description of the plume pathway EPZ, a listing of all participating jurisdictions and functional entities which were evaluated, and a tabular presentation of the time of actual occurrence of key exercise events and activities.

A. Plume Emergency Planning Zone Description

The Clinton Power Station is located approximately seven miles northeast of the City of Clinton in Harp Township, within DeWitt County, Illinois. DeWitt County is located near the geographical center of the State of Illinois. The topography of the area is predominantly rolling prairies.

The 10-mile EPZ contains a total population of 12,461 (1990 census) within the risk county of DeWitt and the three support counties of Macon, McLean and Piatt. Nearly two-thirds of the total EPZ population (8,528) resides in the communities of Clinton, Weldon, Wapella and DeWitt. The land use within the EPZ is predominantly agricultural, with the closest industries located in the City of Clinton. Two State recreation facilities are located within the EPZ: Clinton Lake State Recreation Area and Weldon Springs State Park.

State Highways 10, 48 and 54 intersect the plant location. Another major thoroughfare is U.S. Highway 51, located about six miles west of the plant. The nearest railroad is the Illinois Central Gulf (ICG) Railroad, which has a track crossing the site in an east/west direction and within three-fourths of a mile to the north of the reactor centerline. Another ICG track is located 3.5 miles south of the station.

B. Exercise Participants

The following agencies, organizations, and units of government participated in the Clinton Power Station exercise on April 26, 2000.

STATE OF ILLINOIS

- Illinois Department of Natural Resources (IDNR)
- Illinois Department of Nuclear Safety (IDNS)
- Illinois Department of Transportation (IDOT)
- Illinois Emergency Management Agency (IEMA)
- Illinois State Police (ISP)

RISK JURISDICTIONS

DEWITT COUNTY

DeWitt County Executive (Board Chairman/Alternate)
DeWitt County Emergency Services and Disaster Agency (ESDA)
Emergency Management Public Information Officer
DeWitt County Sheriff's Department
DeWitt County Highway Department
DeWitt-Piatt Bi-County Health Department
Regional Superintendent of Schools
City of Clinton Mayor
Clinton Fire Department
Clinton Police Department
DeWitt Village Mayor
Wapella Mayor
Weldon Village Mayor

MACON COUNTY

Macon County Board Chairman
Macon County ESDA
Macon County Sheriff's Department
Macon County Highway Department
Macon County Health Department
Macon County Mental Health Department
Macon County Auditor
Macon County Coroner
Logan County ESDA
City of Decatur Mayor
Decatur City Manager
Decatur Police Department
Decatur Fire Department
Decatur Public Schools District #61
Decatur Public Works Department

MCLEAN COUNTY

McLean County ESDA
McLean County Sheriff's Department

PIATT COUNTY

Piatt County ESDA

Piatt County Sheriff's Department
Piatt County Highway Department
Monticello Police Department

PRIVATE/VOLUNTEER ORGANIZATIONS

American Red Cross
AmerGen Energy Company, LLC.
Kirby Hospital Ambulance Service
Radio Station WJBC/WBNQ/WBWN AM/FM
St. Mary's Hospital Emergency Medical Service
The Salvation Army

C. Exercise Timeline

Table 1, on the following page, presents the time at which key events and activities occurred during the Clinton Power Station exercise on April 26, 2000. Also included are times notifications were made to the participating jurisdictions/functional entities.

Table 1. Exercise Timeline

DATE AND SITE: April 26, 2000, Clinton Power Station

Emergency Classification Level or Event	Time Utility Declared	Time That Notification Was Received or Action Was Taken								
		EOF	REAC	Received by SEOC	SEOC Forwards Information/PARs	DeWitt County EOC	Macon County EOC	McLean County EOC	Piatt County EOC	JPIC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0830	0830	0836	0836	0856	0856	0905	0904	0856	0847
Site Area Emergency	0933	0933	0956	1015	1030	1033	1047	1041	1048	1011
General Emergency	1106	1106	1125	1127	1140	1144	1147	1150	1155	1135
Simulated Radiation Release Started	0933	0933	1040	1015	1030	1033	1047	1041	1048	1011
Simulated Radiation Release Terminated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		1019	0946	0915	N/A	1012	0940	1115	0912	0944
Declaration of State of Emergency		1045	-	1045	N/A	1210	N/A	N/A	N/A	1045
Exercise Terminated		1300	1255	1250	N/A	1420	1420	1300	1319	1415
Early Precautionary Actions:		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1 st Protective Action Recommendation/Decision Shelter: Sub-areas 2, 3, 4, 5, 6, 7 and 8; Evacuate: Sub-area 1 - Place milk producing animals on stored feed and protected water.		1001	1025	1015	1030*	1038 ^D	1038	1041	1040	1040
1 st Siren Activation		N/A	N/A	N/A	N/A	1041 ^D	N/A	N/A	N/A	N/A
1 st EBS Message		N/A	N/A	N/A	N/A	1152 ^D	N/A	N/A	N/A	N/A
2 nd Protective Action Recommendation/Decision Shelter: Sub-areas 3, 4, 5, 6, 7 and 8; Evacuate: Sub-areas 1 and 2 - Place milk producing animals on stored feed and protected water.		1116	1136	1116	1140*	1148	1148	1148	1148	1155
2 nd Siren Activation		N/A	N/A	N/A	N/A	1152 ^D	N/A	N/A	N/A	N/A
2 nd EBS Message		N/A	N/A	N/A	N/A	1153 ^D	N/A	N/A	N/A	N/A
KI Administration Decision: To administer KI within 10-mile radius.		0933	0956	1015	1030*	1046	1046	1041	1033	N/A

LEGEND: D - Decision Making Jurisdiction A - Activating Jurisdiction N/A - Not Applicable Blank - Not Reported
* - State EOC Makes Protective Action Recommendation Only.

7

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 April 26, 2000, exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the Clinton Power Station.

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

A. Summary Results of Exercise Evaluation - Table 2

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

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

B. Status of Jurisdictions Evaluated

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

- **Met** - Listing of the demonstrated exercise objectives under which no Deficiencies or ARCAs were assessed during this exercise and under which no ARCAs assessed during prior exercises remain unresolved.
- **Deficiency** - Listing of the demonstrated exercise objectives under which one or more Deficiencies was assessed during this exercise. Included is a description of each Deficiency and recommended corrective actions.
- **Area Requiring Corrective Actions** - Listing of the demonstrated exercise objectives under which one or more ARCAs were assessed during the current exercise or ARCAs assessed during prior exercises remain unresolved. Included is a description of the ARCAs assessed during this exercise and the recommended corrective action to be demonstrated before or during the next biennial exercise.
- **Not Demonstrated** - Listing of the exercise objectives 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.
- **Objective Number** - A two-digit number corresponding to the objective numbers in FEMA-REP-14.
- **Issue Classification Identifier** - (D = Deficiency, A = ARCA). Only Deficiencies and ARCA are included in exercise reports.
- **Exercise Issue Identification Number** - A separate two (or three) digit indexing number assigned to each issue identified in the exercise.

1. STATE OF ILLINOIS

1.1 State Emergency Operations Center

- a. MET: Objectives 1, 2, 3, 4, 9, 10, 11, 12, 13, 32 and 33
- 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 Facility

- a. MET: Objectives 1, 2, 4, 5, 7, and 14
- 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 Joint Public Information Center

- a. MET: Objectives 1, 2, 3, 4, 12 and 13
- 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 Radiological Emergency Assessment Center

- a. **MET:** Objectives 1, 2, 3, 4, 7, 9, 14, 32 and 33
- 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 Monitoring and Decontamination Center

- a. **MET:** Objectives 4, 5, 14, 18, 19 and 22
- 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 State Forward Command Post

- a. **MET:** Objectives 4, 5 and 14
- 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 MS-1 Drill - Transportation

- a. MET: NONE
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: Objective 20
- e. PRIOR ARCAs - RESOLVED: NONE
- f. PRIOR ARCAs - UNRESOLVED: Objectives 5 and 14

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

Description: It was determined, through interviews and observation, that the Dr. 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 Dr. John Warner Hospital ambulance crews should receive training in the use of dosimetry and administrative exposure levels, and recording procedures. Additionally, the Dr. John Warner Hospital/Ambulance Emergency Plan should be revised to reflect these emergency worker protection procedures.

Schedule of Corrective Actions: This ARCA remains unresolved pending the outcome of FEMA's review of the revised "Illinois Medical Drill Proposal and Regional Assessment", dated May 5, 2000.

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

Description: By interview with the Dr. 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 Dr. John Warner Hospital/Ambulance Emergency Plan should be revised to be consistent with the requirements of NUREG-0654.

Schedule of Corrective Actions: This ARCA remains unresolved pending the outcome of FEMA's review of the revised "Illinois Medical Drill Proposal and Regional Assessment", dated May 5, 2000.

1.8 Traffic and Access Control

- a. MET: Objectives 4, 5 and 17
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs - RESOLVED: NONE
- f. PRIOR ARCAs - UNRESOLVED: NONE

2. RISK JURISDICTIONS

2.1 DEWITT COUNTY

2.1.1 County Emergency Operations Center

- a. MET: Objectives 1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 14, 15, 29 and 30
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs - RESOLVED: NONE
- f. PRIOR ARCAs – UNRESOLVED: NONE

2.1.2 Initial Notification Point

- a. MET: Objectives 1 and 4
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs - RESOLVED: NONE

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

2.1.3 Local Media Briefing

- a. **MET: Objectives 12 and 13**
- 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 Traffic and Access Control

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

2.1.5 EBS Radio Station WJBC/WBNQ/WBWN AM/FM

- a. **MET: Objective 11**
- b. **DEFICIENCY: NONE**
- c. **AREAS REQUIRING CORRECTIVE ACTION: NONE**
- d. **NOT DEMONSTRATED: NONE**
- e. **PRIOR ARCAs - RESOLVED: NONE**
- f. **PRIOR ARCAs - UNRESOLVED: NONE**

2.1.6 Deland-Weldon School District

- a. MET: Objective 16
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs - RESOLVED: NONE
- f. PRIOR ARCAs - UNRESOLVED: NONE

3.0 SUPPORT JURISDICTIONS

3.1 MACON COUNTY

3.1.1 County Emergency Operations Center

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

3.1.2 Traffic and Access Control

- a. MET: Objective 4, 5, 14 and 17
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs - RESOLVED: NONE

- f. PRIOR ARCAs - UNRESOLVED: NONE

3.2 MCLEAN COUNTY

3.2.1 County Emergency Operations Center

- a. MET: Objectives 1, 2, 3 and 4
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: Objective 14

Issue: 13-00-14-A-01

Description: At 1200 hours, the Radiological Defense (RADEF) Officer at McLean County failed to advise the Deputy Sheriff assigned to traffic and access control point (TACP) #2-6 of the need to ingest potassium iodide (KI). The State's recommendation for emergency workers in the 10-mile EPZ to ingest KI had been communicated to the EOC by the Illinois Emergency Management Agency (IEMA) at 1041 hours. The RADEF Officer stated that he thought the assigned TACP (#2-6) was outside the 10-mile EPZ. However, it was later determined that the TACP was within the 10-mile EPZ and that the deputy was exposed to the radioactive plume traveling northward (from a wind direction of 185 degrees) from the nuclear plant (NUREG-0654: J.10.e and f.).

Recommendation: The RADEF Officer needs to ensure that recommendations to administer KI are communicated to all emergency workers in the 10-mile EPZ.

Schedule of Corrective Actions: The procedure for communicating the KI recommendation to emergency workers has been reviewed by the McLean County RADEF Officer. Communicating the KI recommendation to all emergency workers in the 10-mile EPZ will be demonstrated during the 2001 Clinton exercise.

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

3.2.2 Traffic and Access Control

- a. MET: Objectives 4, 5, 14 and 17
- b. DEFICIENCY: NONE

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

3.3 PIATT COUNTY

3.3.1 County Emergency Operations Center

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

3.3.2 Traffic and Access Control

- a. **MET: Objectives 4, 5, 14 and 17**
- 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.

ACP	Access Control Point
ANI	American Nuclear Insurers
ARC	American Red Cross
ARCA	Area Requiring Corrective Action
CD-V	Civil Defense - Victoreen
CFR	Code of Federal Regulations
CPM	Counts Per Minute
DRD	Direct Reading Dosimeter
EAL	Emergency Action Level
EAS	Emergency Alert System
EBS	Emergency Broadcast System
ECL	Emergency Classification Level
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPZ	Emergency Planning Zone
GE	General Emergency
JIC	Joint Information Center
JPIC	Joint Public Information Center
KI	Potassium Iodide
mR	milliroentgen
mR/h	milliroentgen per hour
NRC	U.S. Nuclear Regulatory Commission
NUREG-0654	NUREG-0654/FEMA-REP-1, Rev. 1, <i>"Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980</i>
NWS	National Weather Service
ORO	Offsite Response Organization
PAD	Protective Action Decision

PAG	Protective Action Guide
PAO	Public Affairs Official
PAR	Protective Action Recommendation
PIO	Public Information Officer
R	Roentgen
RAC	Regional Assistance Committee
RACES	Radio Amateur Civil Emergency Service
REA	Radioactive Emergency Area
REM	Roentgen Equivalent Man
REP	Radiological Emergency Preparedness
R/h	Roentgen(s) per hour
RO	Radiological Officer
SAE	Site Area Emergency
SEOC	State Emergency Operations Center
TCP	Traffic Control Point
TL	Team Leader
TLD	Thermoluminescent Dosimeter

APPENDIX 2

EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel who evaluated the Clinton Power Station exercise on April 26, 2000. Evaluator Team Leaders are indicated by the letters "(TL)" after their names. The organization which each evaluator represents is indicated by the following abbreviations:

FEMA	- Federal Emergency Management Agency
ANL	- Argonne National Laboratory
KLT	- K.L. Travis and Associates

<u>RAC CHAIR/EXERCISE DIRECTOR</u>	<u>NAME</u>	<u>ORGANIZATION</u>
RAC Chair/Exercise Director	W. Curtis	FEMA
Assistant Exercise Director	W. King	FEMA

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
STATE OF ILLINOIS		
Emergency Operations Center	C. Sturghill (TL)	FEMA
	R. Kowieski	ANL
	J. Austin	ANL
	R. Grundstrom	KLT
Radiological Emergency Assessment Center	R. Grundstrom	KLT
Emergency Operations Facility	H. Harrison	ANL
State Forward Command Post - Traffic and Access Control	A. Birman	FEMA
Joint Public Information Center	W. Lueders	ANL
Monitoring and Decontamination Center	J. Austin	ANL
	H. Harrison	ANL

DEWITT COUNTY

Emergency Operations Center	C. Crackel (TL)	FEMA
	R. Smith	ANL
	D. Thome'	ANL
	T. Connors-Murphy	FEMA
EBS Radio Station WJBC/WBNQ/WBWN	S.A. Curtis	ANL
Protective Action Schools EV-2/ Deland-Weldon School District	C. Sturghill	FEMA

EVALUATION SITE

EVALUATOR

ORGANIZATION

MACON COUNTY

Emergency Operations Center
Traffic and Access Control Point

B. Pfaff (TL)
A. Lookabaugh

FEMA
ANL

MCLEAN COUNTY

Emergency Operations Center
Traffic and Access Control Point

C. Lloyd (TL)
A. Teotia

FEMA
ANL

PIATT COUNTY

Emergency Operations Center
Traffic and Access Control Point

G. Naskrent (TL)
L. Poch

FEMA
ANL

APPENDIX 3

EXERCISE OBJECTIVES AND EXTENT-OF-PLAY AGREEMENT

This appendix lists the exercise objectives which were scheduled for demonstration in the Clinton Power Station exercise on April 26, 2000, and the extent-of-play agreement.

The exercise objectives, contained in FEMA-REP-14, "Radiological Emergency Preparedness Exercise Manual," September 1991, represent a functional translation of the planning standards and evaluation criteria of NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for the Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980.

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

A. Exercise Objectives

Listed below are the specific radiological emergency preparedness objectives scheduled for demonstration during this exercise.

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

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

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

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

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

OBJECTIVE 4: COMMUNICATIONS

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

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

OBJECTIVE 7: PLUME DOSE PROJECTION

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

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING

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

OBJECTIVE 10: ALERT AND NOTIFICATION –

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

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

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

OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA

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

OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL

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

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

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

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS

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

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS

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

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

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

OBJECTIVE 18: RECEPTION CENTER - MONITORING, DECONTAMINATION AND REGISTRATION

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

OBJECTIVE 19: CONGREGATE CARE

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

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

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

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

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

OBJECTIVE 30: CONTINUOUS, 24-HOUR STAFFING

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

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

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

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

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

B. Extent-of-Play Agreement

The extent-of-play agreement on the following pages was submitted by the State of Illinois in preparation for the Clinton Power Station exercise on April 26, 2000. The extent-of-play agreement includes any significant modification or change in the level of demonstration of each exercise objective listed in Subsection A of this appendix.

STATE OF ILLINOIS OBJECTIVES:

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

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

The State Emergency Operations Center (EOC) will be partially activated. The IEMA Dispatcher will implement procedures for notification of IEMA staff as defined in IEMA SOPs. IEMA and IDNS representatives will be contacted and will report to the State EOC.

The State Forward Command Post (SFCP) will be activated at the Bloomington National Guard Armory with State district and regional personnel. IEMA personnel will be pre-positioned in the Clinton Station area and dispatched to the DeWitt County EOC, SFCP, the EOF and the JPIC.

The IDNS Dispatcher will implement notification procedures in accordance with IDNS SOPs. REAC will be fully activated. RAFT activities will be simulated. IDNS personnel will be pre-positioned in the Clinton Station vicinity for response to the DeWitt County EOC, SFCP, the EOF, TSC and the JPIC.

The pre-positioned State staff will begin exercise play at the following facilities no earlier than the ECL indicated below:

SFCP	Alert
JPIC	Alert
EOF	Site Area Emergency
TSC	Alert
County EOC	Alert

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

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

This objective will be demonstrated in State facilities through the use of maps, status boards and displays as appropriate.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

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

OBJECTIVE 4: COMMUNICATIONS

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

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, and radio).

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

This objective 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.

OBJECTIVE 7: PLUME DOSE PROJECTION

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

The ability to project dosage to the public via plume exposure based on plant and field data will be demonstrated by IDNS through coordination between REAC and the EOF.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING

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

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 emergency workers and institutionalized persons will be demonstrated by IDNS in REAC.

OBJECTIVE 10: ALERT AND NOTIFICATION

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

The State's role in demonstrating this objective is limited to transmitting the State's protective action recommendation (PAR) to DeWitt County and monitoring the instructional messages provided to the public by DeWitt County. This monitoring will be accomplished by the SFCP through the IEMA representative in the DeWitt County EOC.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

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

The State will demonstrate this objective by transmitting the State's protective action recommendation (PAR) to DeWitt County. The State will also monitor the instructional messages provided to the public by DeWitt County. This monitoring will be accomplished by the SFCP through the IEMA representatives in the DeWitt County EOC.

OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA

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

This objective will be demonstrated at the JPIC in coordination with the State EOC, REAC, SFCP and the DeWitt County EOC. IEMA and IDNS personnel will be present at the JPIC to coordinate with AmerGen. Media briefings will be conducted at the JPIC.

OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL

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

This objective will be demonstrated by the State through coordination between the JPIC, State EOC, REAC, SFCP and the DeWitt County EOC. A bank of phones will not be operated during the exercise. Rumor control messages will be introduced in the DeWitt County EOC by the controller. County officials will investigate and address the "rumors." If appropriate, the "rumors" will be coordinated between the State and County officials in the EOC and the JPIC.

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

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

The ability to implement KI recommendations to emergency workers will be demonstrated by the State of Illinois in accordance with the IPRA, Volume I and IPRA-Clinton. The State of Illinois does not provide KI to the general public.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

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

This objective will be demonstrated by the State through coordination between the SFCP and the DeWitt County EOC, in accordance with traffic and access control procedures. The Illinois State Police (ISP) will staff 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 staffing of the remaining State posts will be simulated.

OBJECTIVE 18: RECEPTION CENTER - MONITORING, DECONTAMINATION AND REGISTRATION

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

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.

An interview of State and local officials and inspection of Horton Fieldhouse in Normal will be conducted during the week of the exercise. Evacuees will not be processed. Monitoring equipment will not be available at the interview/ inspection.

OBJECTIVE 19: CONGREGATE CARE

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

During the exercise, the capability to determine which congregate care centers should be activated will be demonstrated at the SFCP. An interview of local officials and inspection of Horton Fieldhouse in Normal will be conducted during the week of the exercise. Local organizations responsible for operating a congregate care center will be present. Evacuees will not be processed. Equipment will not be available at the interview/inspection.

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

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

During the exercise, the capability to determine which facilities will be used for monitoring and decontamination of emergency workers, equipment and vehicles will be demonstrated through coordination between the SFCP and REAC.

An interview of State and local officials and inspection of Horton Fieldhouse in Normal will be conducted during the week of the exercise. Emergency workers and equipment will not be processed. Monitoring equipment will not be available at the interview/inspection.

OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL

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

This objective will be demonstrated by the State of Illinois during a drill conducted the week of the exercise.

OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL

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

This objective will be demonstrated by the State of Illinois during a drill conducted the week of the exercise

DEWITT COUNTY OBJECTIVES:

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

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

DeWitt County intends to fully activate the Emergency Operations Center (EOC) in Clinton, Illinois. The County will implement notification procedures as defined in IPRA-Clinton. Representatives from the EPZ municipalities, IEMA, IDNS and AmerGen will also staff the County EOC no earlier than the Alert classification.

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

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

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

This capability will be demonstrated in the DeWitt County EOC through the use of maps, status boards and other displays as appropriate.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

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

OBJECTIVE 4: COMMUNICATIONS

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

DeWitt County will use NARS, commercial telephone, radio and telefax to communicate with departments and agencies at other locations. Field personnel will be contacted by commercial telephone and radio.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

DeWitt County will demonstrate this objective 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 objective in the County EOC.

This objective will also be demonstrated during the EV-2 interview and traffic and access control demonstration. The transportation manager/bus driver will bring a dosimetry packet to the EV-2 interview. The Sheriff's Deputy will obtain dosimetry from the DCO in the County EOC.

OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING

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

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

OBJECTIVE 10: ALERT AND NOTIFICATION

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

DeWitt County, as the offsite response organization (ORO), 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 within 15 minutes of 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 Clinton Station EPZ Siren Warning System as defined in IPRA-Clinton. The Siren Warning 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 radio station 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.

OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION

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

DeWitt County will demonstrate this objective by using pre-scripted messages, as indicated in IPRA-Clinton, to develop the messages. Contact with the radio station will be simulated for each alert and notification sequence following the initial sequence.

OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA

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

This capability will be demonstrated by DeWitt County through media briefings held at the JPIC. The DeWitt County PIO will be present at the JPIC to coordinate with the other organizations represented there.

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

OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL

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

This objective will be demonstrated by DeWitt County through coordination between the County EOC and the JPIC. The DeWitt County EOC controller will inject exercise messages which will ensure the opportunity to demonstrate this objective. County officials will investigate and address the "rumors". If appropriate, the "rumors" will be coordinated with State officials in the County EOC and the JPIC. A "rumor trend" will be identified by the County EOC staff.

OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF POTASSIUM IODIDE FOR EMERGENCY WORKERS,

INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC

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

If notified by the State of Illinois to distribute and administer KI, DeWitt County officials will discuss the issuance of KI to emergency workers and immobile populations, as a voluntary measure, and will notify the municipalities of the State's recommendation.

KI will be available during the traffic and access control demonstration and at the EV-2 interview as part of the dosimetry packet.

OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS SPECIAL POPULATIONS

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

This objective will be demonstrated by DeWitt County through the simulated implementation of the appropriate procedures. The appropriate officials will coordinate transportation and receiving facilities for special populations. The public will not be involved in the demonstration.

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

OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS

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

DeWitt County officials will demonstrate this capability through the simulated implementation of the appropriate procedures in the County EOC. An EV-2 interview will be conducted with the DeLand-Weldon School District during the week of the exercise.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

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

Coordination between DeWitt County agencies designated to provide traffic and access control will be exhibited in the DeWitt 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 DeWitt County during the exercise based on exercise play. The staffing of the remaining posts will be simulated.

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

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

The DeWitt County EOC staff will demonstrate the objective through discussions within the DeWitt County EOC and with the State EOC, REAC, SFCP and the JPIC as necessary. The controller will provide break messages which will contain the pre-designated decisions regarding relocation, re-entry and return. The DeWitt County EOC staff will discuss the implementation of the decisions. The State will participate to the extent necessary to support DeWitt County.

OBJECTIVE 30: CONTINUOUS, 24-HOUR STAFFING

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

This objective will be demonstrated in the DeWitt County EOC through an actual shift change of key positions. These positions are: County Board Chairman, ESDA Coordinator, Sheriff, Highway Engineer, Regional Superintendent of Schools and Health Administrator. Other County positions are not considered to be key positions and therefore will not be demonstrating a shift change. The liaisons from IEMA, IDNS and AmerGen will not demonstrate a shift change.

MACON COUNTY OBJECTIVES:

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Macon County intends to activate the EOC in Decatur to the appropriate level. The County will implement notification procedures as defined in IPRA-Clinton. The EOC will be staffed with representatives from the County Board, ESDA and the Sheriff's Department. If the scenario does not drive protective actions in Macon County, the County may decide to down-staff the EOC to minimum staffing.

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

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

This capability will be demonstrated in the Macon County EOC through the use of maps, status board and other displays as appropriate.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

Coordination of decisions and emergency activities will be demonstrated between Macon County and DeWitt County.

OBJECTIVE 4: COMMUNICATIONS

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

Macon County will use commercial telephone, radio and telefax to communicate with departments and agencies at other locations. Field personnel will be contacted by commercial telephone and radio.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

Macon County will have equipment available for distribution to emergency workers who may be entering an exposure pathway.

This objective will also be demonstrated during the traffic and access control demonstration. The Sheriff's Deputy will obtain dosimetry from the DCO in the County EOC.

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

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

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

KI will be available during the traffic and access control demonstration as part of the dosimetry packet.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

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

Coordination between Macon County and DeWitt County will be demonstrated. A Macon County deputy will be available during the exercise to demonstrate the staffing of one post. The post for the demonstration will be selected by Macon County during the exercise based on exercise play. The staffing of the remaining posts will be simulated.

MCLEAN COUNTY OBJECTIVES:

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

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

McLean County intends to activate the EOC in Bloomington to the appropriate level. The County will implement notification procedures as defined in IPRA-Clinton. The EOC will be staffed with representatives from the County Administrator's Office, ESDA and the Sheriff's Department. If the scenario does not drive protective actions in McLean County, the County may decide to down-staff the to minimum staffing.

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

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

This capability will be demonstrated in the McLean County EOC through the use of maps, status board and other displays as appropriate.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

Coordination of decisions and emergency activities will be demonstrated between McLean County and DeWitt County.

OBJECTIVE 4: COMMUNICATIONS

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

McLean County will use commercial telephone, radio and telefax to communicate with departments and agencies at other locations. Field personnel will be contacted by commercial telephone and radio.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

McLean County will have equipment available for distribution to emergency workers who may be entering an exposure pathway.

This objective will also be demonstrated during the traffic and access control demonstration. The Sheriff's Deputy will obtain dosimetry from the DCO in the County EOC.

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

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

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

KI will be available during the traffic and access control demonstration as part of the dosimetry packet.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

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

Coordination between McLean County and DeWitt County will be demonstrated. A McLean County deputy will be available during the exercise to demonstrate the staffing of one post. The post for the demonstration will be selected by McLean County during the exercise based on the exercise play. The staffing of the remaining posts will be simulated.

PIATT COUNTY OBJECTIVES:

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

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

Piatt County intends to activate the EOC in Monticello to the appropriate level. The County will implement notification procedures as defined in IPRA-Clinton. The EOC will be staffed with representatives from the County Board, ESDA and the Sheriff's Department. If the scenario does not drive protective actions in Piatt County, the County may decide to down-staff the EOC to minimum staffing.

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

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

This capability will be demonstrated in the Piatt County EOC through the use of maps, status board and other displays as appropriate.

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

Coordination of decisions and emergency activities will be demonstrated between Piatt County and DeWitt County.

OBJECTIVE 4: COMMUNICATIONS

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

Piatt County will use commercial telephone, radio and telefax to communicate with departments and agencies at other locations. Field personnel will be contacted by commercial telephone and radio.

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

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

Piatt County will have equipment available for distribution to emergency workers who may be entering an exposure pathway.

This objective will also be demonstrated during the traffic and access control demonstration. The Sheriff's Deputy will obtain dosimetry from the DCO in the County EOC.

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

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

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

KI will be available during the traffic and access control demonstration as part of the dosimetry packet.

OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL

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

Coordination between Piatt County and DeWitt County will be demonstrated. A Piatt County deputy will be available during the exercise to demonstrate the staffing of one post. The post for the demonstration will be selected by Piatt County during the exercise based on exercise play. The staffing of the remaining posts will be simulated.

APPENDIX 4

EXERCISE SCENARIO

This appendix contains a summary of the simulated sequence of events -- Exercise Scenario -- which was used as the basis for invoking emergency response actions by OROs in the Clinton Power Station exercise on April 26, 2000.

This exercise scenario was submitted by the State of Illinois and AmerGen Energy Company and approved by FEMA Region V on April 4, 2000.

During the exercise, controllers from the State of Illinois gave "inject messages," containing scenario events and/or relevant data, to those persons or locations who would normally receive notification of such events. These inject messages were the method used for invoking response actions by OROs.

SCENARIO SUMMARY

0830 Initial conditions/weather forecast message to players

0845 An ALERT is declared at the Clinton Station.

0900 Clinton Station notifies IEMA and IDNS dispatchers of the ALERT via NARS.

IEMA Dispatcher verifies the NARS message.

IDNS Dispatcher activates the IDNS response team.

IDNS Duty Officer contacts the Clinton Station Shift Engineer.

IEMA Dispatcher notifies IEMA personnel of the ALERT per SOP.

IEMA may dispatch liaisons to the County EOC, Forward Command Post and JPIC, if appropriate.

IEMA notifies Governor's Office of the ALERT. (Simulated)

IEMA may activate the State EOC, if appropriate.

IEMA Dispatcher notifies appropriate State agencies of the ALERT.

IEMA notifies FEMA of the ALERT. (Simulated)

0915 IEMA Dispatcher notifies DeWitt County of the ALERT via NARS.

DeWitt County telecommunicator completes and verifies the NARS message.

DeWitt County telecommunicator notifies County officials, support counties and municipalities of the ALERT per SOP.

DeWitt County may activate the EOC, if appropriate.

Support county and municipal telecommunicators complete and verify the NARS message.

Support county and municipal telecommunicators notify officials of the ALERT per SOP.

0945 A SITE AREA EMERGENCY is declared at Clinton Station.

1000 Clinton Station notifies IEMA and IDNS dispatchers of the SITE AREA EMERGENCY via NARS.

IEMA Dispatcher verifies the NARS message.

REAC contacts the Clinton Station Shift Engineer.

State EOC is activated if not previously activated.

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

IEMA dispatches liaisons to the DeWitt County EOC, Forward Command Post and JPIC, 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
- IEPA
- Corrections
- others as appropriate

IDNS contacts Federal and State support agencies. (Simulated)

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

REAC provides an update to the IDNS PIO.

1015 IEMA notifies DeWitt County of the SITE AREA EMERGENCY via NARS.

DeWitt County telecommunicator completes and verifies the NARS message.

DeWitt County telecommunicator notifies County officials, support counties and municipalities of the SITE AREA EMERGENCY per SOP.

DeWitt County EOC is activated if not previously activated.

DeWitt County implements public notification procedures, if appropriate. (Simulated)

Support counties and municipal telecommunicators complete and verify the NARS message.

Support counties and Municipal telecommunicators notify officials per SOP.

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

1045 A GENERAL EMERGENCY is declared at Clinton Station.

1100 Clinton Station notifies IEMA and IDNS dispatchers of the GENERAL EMERGENCY via NARS. Protective actions are recommended.

IEMA dispatcher 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 DeWitt County EOC liaison and JPIC staff of the situation.

IEMA notifies FEMA of conditions. (Simulated)

IDNS contacts Federal and State support agencies. (Simulated)

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

REAC provides an update to the IDNS PIO.

- 1115 IEMA notifies DeWitt County of the GENERAL EMERGENCY and the recommended protective actions via NARS.

DeWitt County telecommunicator completes and verifies the NARS message.

DeWitt County telecommunicator notifies County officials, support counties and municipalities per SOP.

DeWitt County implements public notification procedures and traffic and access control per SOPs, as applicable.

Support county and municipal telecommunicators complete and verify the NARS message.

Support county and municipal telecommunicators notify EOC staff.

- 1300 The GENERAL EMERGENCY continues. A time jump is introduced. (Following the introduction of the time jump, the support counties will terminate exercise play. DeWitt County will continue exercise play to demonstrate return, re-entry and relocation.)

Restricted return of the public is recommended. IEMA notifies DeWitt County of the recommendation via controller message.

County EOC staff will discuss the recommendation. State facilities will support County activities.

Following completion of return and re-entry activities.

Relocation is recommended. IEMA notifies DeWitt County of the recommendation via controller message.

County EOC staff will discuss the recommendation. State facilities will support county activities.

Following completion of relocation discussions.

State EOC terminates Exercise.

IEMA notifies offsite locations that the exercise is terminated.