

Clinton Power Station Exercise – September 12, 2007

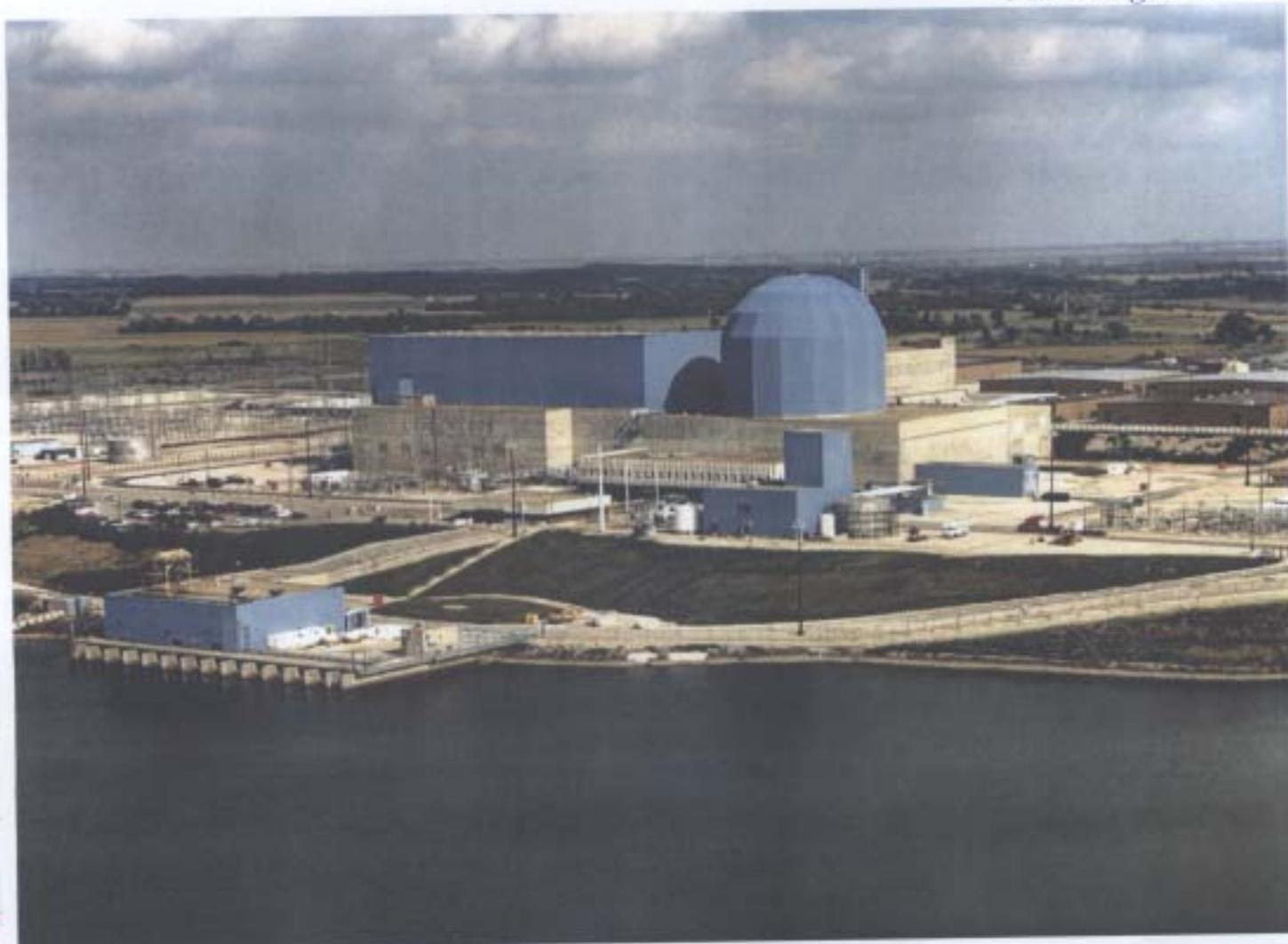
Final Report – Radiological Emergency Preparedness Program

November 28, 2007



FEMA

FEMA Region V



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Final Exercise Report

Clinton Power Station

Licensee: Exelon Corporation

Exercise Date: September 12, 2007

Report Date: November 28, 2007

U.S Department of Homeland Security
Federal Emergency Management Agency
Region V

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Chicago, Illinois 60605 - 1521

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1. Executive Summary

On September 12, 2007, a Radiological Emergency Preparedness (REP) Partial Participation Plume Exposure Pathway Exercise was conducted for the 10-mile Emergency Planning Zone (EPZ) around the Clinton Power Station by the U.S. Department of Homeland Security (DHS)/Federal Emergency Management Agency (FEMA). 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 DHS/FEMA's policies and guidance concerning the exercise of State and local Radiological Emergency Response Plans (RERPs) and procedures.

The most recent exercise at this site was conducted on October 5, 2005. The qualifying emergency preparedness exercise was conducted on January 13, 1987.

DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in this exercise. In the State of Illinois the risk county of DeWitt, and the support counties of Macon, McLean 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 on the part of all the participants were evident during this exercise.

This Final Report contains the evaluation of the biennial exercise and the evaluation of the following out-of-sequence interviews and activities: Illinois State Police (ISP) Dosimetry Control Officers Briefing, ISP Traffic and Access Control Point at the ISP District 6 Headquarters, Medical Services Transportation evaluation at the St Mary's Hospital, Medical Services Hospital at the St Mary's Hospital, Protective Actions for Schools (EV-2) for the Clinton School Unit District, Monitoring and Decontamination of Evacuees and Emergency Workers, Decontamination of Emergency Worker's Equipment, Public Registration, Congregate Care Center, and a Clinton Police Department Traffic and Access Control Point.

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 identified during this exercise for the State of Illinois, or for the Counties of DeWitt, Macon, McLean or Piatt.

There was one Area Requiring Corrective Action (ARCA) identified during this exercise for the State of Illinois, under Criterion 2.a.1 - Emergency Worker Exposure Control, whereby the Unified Area Command Post failed to contact the IEMA Radiological Advisors in the Counties and inform them that Emergency Worker exposure limits had been reduced by a factor of 10.

There was one ARCA identified for DeWitt County under Criterion 3.a.1 - Implementation of Emergency Worker Exposure Control. The County Dosimetry Control dosimetry/KI briefing did not include a specific explanation of established administrative of 3 R and the 10 R turn-back value, and did not adequately discuss all relevant exposure control information. This item was corrected during the exercise.

There were no ARCAs identified during this exercise for the Counties of Macon, McLean or Piatt.

2. Introduction

On December 7, 1979, the President directed FEMA to assume the lead responsibility for all offsite nuclear planning and response. DHS/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.

The FEMA Rule 44 CFR 350 establishes the policies and procedures for DHS/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.

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

Taking the lead in off-site emergency planning and in the review and evaluation of RERPs and procedures developed by State and local governments;

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

- U.S. Environmental Protection Agency;
- U.S. Food and Drug Administration; and
- U.S. Nuclear Regulatory Commission.

Representatives of these agencies serve on the DHS/FEMA Region V Regional Assistance Committee (RAC), which is chaired by DHS/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 5, 1987, under 44 CFR 350.

A REP Partial Participation Plume Exposure Pathway Exercise was conducted on September 12, 2007, and evaluated by DHS/FEMA 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 evaluation team, with final determinations made by the DHS/FEMA Region V RAC Chairperson, and approved by the DHS/FEMA Headquarters.

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

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980;
- FEMA-REP-14, "Radiological Emergency Preparedness Exercise Manual," September 1991; and
- FEMA "Radiological Emergency Preparedness: Exercise Evaluation Methodology; Notice" 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) descriptions of all Deficiencies and ARCAs assessed during this exercise, recommended corrective actions, and the State and local governments' schedule of corrective actions, if applicable, for each identified exercise issue; and (2) descriptions of unresolved ARCAs assessed during previous exercises and the status of the OROs' efforts to resolve them.

3. Exercise Overview

Contained in this section are data and basic information relevant to the September 12, 2007, REP Partial Participation Plume Exposure Pathway Exercise 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 10-mile Emergency Planning Zone and 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.

3.1. EPZ 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 11,300 (2000 census) within the risk counties of DeWitt, Macon, McLean and Piatt. Nearly two-thirds of the total EPZ population (8,576) 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 is 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.

3.2. Exercise Participants

Agencies and organizations of the following jurisdictions participated in the Clinton Power Station exercise:

State Jurisdictions

Central Management Services

Illinois Department of Corrections

Illinois Department of Natural Resources
Illinois Department of Transportation - Aeronautics
Illinois Department of Transportation - Highways
Illinois Emergency Management Agency (IEMA)
Illinois Environmental Protection Agency (IEPA)
Illinois State Police (ISP)

Risk Jurisdictions

DeWitt County Executive (Board Chairman/Alternate)
DeWitt County Emergency Services and Disaster Agency (ESDA)
DeWitt County Sheriff's Department
DeWitt-Piatt Bi-County Health Department
DeWitt County Highway Department
City of Clinton Mayor
City of Clinton Fire Department
City of Clinton Police Department
Clinton Community Unit School District
City of Wapella Mayor
City of Weldon Mayor
DeWitt Village Mayor

Support Jurisdictions

Macon County Board
Macon County EMA
Macon County Coroner
Macon County Engineer
Macon County Highway Department
Macon County Sheriff's Department
Macon County Emergency Medical Service
Macon County Mental Health Board
Macon County Public Health Department
City of Decatur Mayor
City of Decatur Fire Department
City of Decatur Municipal Services
City of Decatur Police Department
Stephen Decatur Middle School
McLean County Administrator
McLean County EMA
McLean County Sheriff's Department

Piatt County Board Chairman
Piatt County EMA
Piatt County Sheriff Department
DeWitt-Piatt Health Department Representative
County Highway Department Representative
Piatt County Ham Radio Operators
Private Jurisdictions
American Red Cross
Exelon Nuclear
Radio Station WBNQ/WBWN/WJBC AM/FM
John Warner Hospital Administrator

3.3. Exercise Timeline

Table 1, on the following page, presents the times at which key events and activities occurred during the Clinton Power Station REP Partial Participation Plume Exposure Pathway exercise conducted on September 12, 2007. Also included are times notifications were made to the participating jurisdictions/functional entities.

EXERCISE TIMELINE

| Emergency Classification Level or Event | Time Utility Declared | SEOC | REAC | UAC | JIC | DEWITT | MACON | MCLEAN | PIATT |
|---|-----------------------|------|------|------|------|--------|-------|--------|-------|
| Unusual Event | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Alert | 0815 | 0829 | 0826 | 0845 | 0844 | 0847 | 0856 | 0902 | 0904 |
| Site Area Emergency | 0940 | 0958 | 0956 | 1010 | 1003 | 1009 | 1016 | 1016 | 1032 |
| General Emergency | 1117 | 1131 | 1129 | 1142 | 1143 | 1143 | 1211 | 1150 | 1157 |
| Simulated Radiological Release Started | 1114 | 1123 | 1114 | 1142 | 1143 | 1143 | 1211 | 1150 | 1157 |
| Simulated Release of Radioactive Material Terminated | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Facility Declared Operational | | 0845 | 0855 | 0917 | 1000 | 0935 | 0930 | 0915 | 0907 |
| County Declared Emergency | | NA | NA | NA | NA | NA | NA | NA | 1157 |
| Declaration of State of Emergency | | 1146 | NA | NA | NA | NA | NA | NA | NA |
| Exercise Terminated | | 1314 | 1310 | 1303 | 1319 | 1340 | 1340 | 1344 | 1346 |
| General Information Message Decision: | | NA | NA | NA | NA | 1020 | NA | NA | NA |
| 1 st Siren Activation | | NA | NA | NA | NA | 1024 | NA | NA | NA |
| 1 st EAS or EBS Message | | NA | NA | NA | NA | 1027 | NA | NA | NA |
| Early Precautionary Actions: Place livestock on stored feed and protected water | | 1010 | NA | NA | NA | NA | NA | NA | NA |
| 1st Protective Action Decision: Evacuate Sub-Areas 1, 4 and 5. | | NA | NA | NA | NA | 1147 | NA | NA | NA |
| 2nd Siren Activation | | NA | NA | NA | NA | 1155 | NA | NA | NA |
| 2nd EAS or EBS Message | | NA | NA | NA | NA | 1158 | NA | NA | NA |
| 2nd Protective Action Decision: Evacuate Sub-Areas 1, 4, 5 and 6. | | NA | NA | NA | NA | 1240 | NA | NA | NA |
| 3rd Siren Activation | | NA | NA | NA | NA | 1250 | NA | NA | NA |
| 3rd EAS or EBS Message | | NA | NA | NA | NA | 1253 | NA | NA | NA |
| KI Administration Decision: KI for Emergency Workers and Immobile Populations, out to 10-miles. | | 1123 | 1116 | NA | 1143 | 1147 | 1211 | NA | NA |

EXERCISE TIMELINE

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4. Exercise Evaluation and Results

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities that participated in the September 12, 2007, REP Partial Participation Plume Exposure Pathway Exercise to test the off-site 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 based on 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.

4.1. Summary Results of Exercise Evaluation

The matrix presented in Table 2, on the following page(s), presents the status of all exercise criteria from Federal Register Notice: Vol. 67, No. 80, dated April 25, 2002, which 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 are indicated by the use of the following letters:

M - Met (No Deficiency or ARCA 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 Section IV.B.)

Blank - Not scheduled for demonstration

Table 2 - Summary of Exercise Evaluation (3 pages)

| DATE: 2007-09-12 SITE: Clinton Power Station, IL A: ARCA, D: Deficiency, M: Met | | State - IWP | State EOC/SIRC | REAC | UAC | EOF | JIC | IL State Rad Advisor - DeWitt County | IL State Rad Advisor - DeWitt County | IL State Rad Advisor - Macon County | IL State Rad Advisor - Macon County | IL State Rad Advisor - McLean County | IL State Rad Advisor - Piatt County |
|---|-----|-------------|----------------|------|-----|-----|-----|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| Emergency Operations Management | | | | | | | | | | | | | |
| Mobilization | 1a1 | M | M | M | | M | M | M | M | M | M | M | M |
| Facilities | 1b1 | | | | | | | | | | | | |
| Direction and Control | 1c1 | | M | M | M | | M | M | | M | | | M |
| Communications Equipment | 1d1 | M | M | M | M | M | M | | M | | M | M | |
| Equip & Supplies to support operations | 1e1 | | M | M | M | | M | | | | | | |
| Protective Action Decision Making | | | | | | | | | | | | | |
| Emergency Worker Exposure Control | 2a1 | | M | M | A | | | | | | | | |
| Radiological Assessment and PARs | 2b1 | | M | M | | | | | | | | | |
| Decisions for the Plume Phase -PADs | 2b2 | | M | M | M | | | M | M | | | | |
| PADs for protection of special populations | 2c1 | | M | M | | | | M | M | | | | |
| Rad Assessment and Decision making for the Ingestion Exposure Pathway | 2d1 | | | | | | | | | | | | |
| Rad Assessment and Decision making concerning Relocation, Reentry, and Return | 2e1 | | | | | | | | | | | | |
| Protective Action Implementation | | | | | | | | | | | | | |
| Implementation of emergency worker exposure control | 3a1 | | | | | | | M | M | | | | M |
| Implementation of KI decision | 3b1 | | | | | | | | | | | | |
| Implementation of protective actions for special populations - EOCs | 3c1 | | | | | | | | | | | | |
| Implementation of protective actions for Schools | 3c2 | | | | | | | | | | | | |
| Implementation of traffic and access control | 3d1 | | | | M | | | M | | M | M | | |
| Impediments to evacuation are identified and resolved | 3d2 | | | | M | | | | | | M | M | |
| Implementation of ingestion pathway decisions - availability/use of info | 3e1 | | | | | | | | | | | | |
| Materials for Ingestion Pathway PADs are available | 3e2 | | | | | | | | | | | | |
| Implementation of relocation, re-entry, and return decisions. | 3f1 | | | | | | | | | | | | |
| Field Measurement and Analysis | | | | | | | | | | | | | |
| Adequate Equipment for Plume Phase Field Measurements | 4a1 | | | | | | | | | | | | |
| Field Teams obtain sufficient information | 4a2 | | | | | | | | | | | | |
| Field Teams Manage Sample Collection Appropriately | 4a3 | | | | | | | | | | | | |
| Post plume phase field measurements and sampling | 4b1 | | | | | | | | | | | | |
| Laboratory operations | 4c1 | | | | | | | | | | | | |
| Emergency Notification and Public Info | | | | | | | | | | | | | |
| Activation of the prompt alert and notification system | 5a1 | | M | | | | | | | | | | |
| Activation of the prompt alert and notification system - Fast Breaker | 5a2 | | | | | | | | | | | | |
| Activation of the prompt alert and notification system - Exception areas | 5a3 | | | | | | | | | | | | |
| Emergency information and instructions for the public and the media | 5b1 | | M | M | M | | M | M | M | | | | |
| Support Operations/Facilities | | | | | | | | | | | | | |
| Mon / decon of evacuees and emergency workers, and registration of evacuees | 6a1 | | | | | | | | | | | | |
| Mon / decon of emergency worker equipment | 6b1 | | | | | | | | | | | | |
| Temporary care of evacuees | 6c1 | | | | | | | | | | | | |
| Transportation and treatment of contaminated injured individuals | 6d1 | | | | | | | | | | | | |

Table 2 - Summary of Exercise Evaluation (Continued. page 2/3)

| DATE: 2007-09-12 SITE: Clinton Power Station, IL A: ARCA, D: Deficiency, M: Met | | IL State Liaison - Piatt County | DCO Briefing - ISP District 6 HQ | TACP - ISP District 6 | MS-J T - St Marys Hospital | MS-I H - St Marys Hospital | MEEW - Stephen Decatur Middle School | M&DEWE - Stephen Decatur Middle | Pub Reg - Stephen Decatur Middle School | CCC - Stephen Decatur Middle School | Dewitt County - IWP | Dewitt County - EOC | Dewitt County - TACP |
|---|-----|---------------------------------|----------------------------------|-----------------------|----------------------------|----------------------------|--------------------------------------|---------------------------------|---|-------------------------------------|---------------------|---------------------|----------------------|
| Emergency Operations Management | | | | | | | | | | | | | |
| Mobilization | 1a1 | M | | | | | | | | | M | M | |
| Facilities | 1b1 | | | | | | | | | | | | |
| Direction and Control | 1c1 | | | | | | | | | | | M | |
| Communications Equipment | 1d1 | M | M | M | M | M | M | M | M | M | M | M | M |
| Equip & Supplies to support operations | 1e1 | | M | M | M | M | M | M | M | | M | M | M |
| Protective Action Decision Making | | | | | | | | | | | | | |
| Emergency Worker Exposure Control | 2a1 | | | | | | | | | | | | |
| Radiological Assessment and PARs | 2b1 | | | | | | | | | | | | |
| Decisions for the Plume Phase -PADs | 2b2 | | | | | | | | | | | M | |
| PADs for protection of special populations | 2c1 | | | | | | | | | | | M | |
| Rad Assessment and Decision making for the Ingestion Exposure Pathway | 2d1 | | | | | | | | | | | | |
| Rad Assessment and Decision making concerning Relocation, Reentry, and Return | 2e1 | | | | | | | | | | | | |
| Protective Action Implementation | | | | | | | | | | | | | |
| Implementation of emergency worker exposure control | 3a1 | | M | M | M | M | M | M | M | | M | M | M |
| Implementation of KI decision | 3b1 | | M | M | | | | | | | M | M | |
| Implementation of protective actions for special populations - EOCs | 3c1 | | | | | | | | | | M | | |
| Implementation of protective actions for Schools | 3c2 | | | | | | | | | | M | | |
| Implementation of traffic and access control | 3d1 | M | M | | | | | | | | M | M | |
| Impediments to evacuation are identified and resolved | 3d2 | M | | | | | | | | | M | | |
| Implementation of ingestion pathway decisions - availability/use of info | 3e1 | | | | | | | | | | | | |
| Materials for Ingestion Pathway PADs are available | 3e2 | | | | | | | | | | | | |
| Implementation of relocation, re-entry, and return decisions. | 3f1 | | | | | | | | | | | | |
| Field Measurement and Analysis | | | | | | | | | | | | | |
| Adequate Equipment for Plume Phase Field Measurements | 4a1 | | | | | | | | | | | | |
| Field Teams obtain sufficient information | 4a2 | | | | | | | | | | | | |
| Field Teams Manage Sample Collection Appropriately | 4a3 | | | | | | | | | | | | |
| Post plume phase field measurements and sampling | 4b1 | | | | | | | | | | | | |
| Laboratory operations | 4c1 | | | | | | | | | | | | |
| Emergency Notification and Public Info | | | | | | | | | | | | | |
| Activation of the prompt alert and notification system | 5a1 | | | | | | | | | | | M | |
| Activation of the prompt alert and notification system - Fast Breaker | 5a2 | | | | | | | | | | | | |
| Activation of the prompt alert and notification system - Exception areas | 5a3 | | | | | | | | | | | | |
| Emergency information and instructions for the public and the media | 5b1 | | | | | | | | | | | M | |
| Support Operations/Facilities | | | | | | | | | | | | | |
| Mon / decon of evacuees and emergency workers, and registration of evacuees | 6a1 | | | | | M | | M | | | | | |
| Mon / decon of emergency worker equipment | 6b1 | | | | | | M | | | | | | |

| | | | | | | | | | | | | |
|--|-----|--|--|--|---|---|--|--|--|---|--|--|
| Temporary care of evacuees | 6c1 | | | | | | | | | M | | |
| Transportation and treatment of contaminated injured individuals | 6d1 | | | | M | M | | | | | | |

Table 2 - Summary of Exercise Evaluation (Continued, page 3/3)

| DATE: 2007-09-12 SITE: Clinton Power Station, IL A: ARCA, D: Deficiency, M: Met | | | | | | | | | | | | | | | | | | | |
|---|-----|---|--------------------------------------|-------------------|------------------------------------|--------------------|--------------------|---------------------|---------------------|---------------------|----------------------|--------------------|--------------------|---------------------|---|---|---|---|---|
| | | | Dewitt County - EBS (WBNQ/WBWN/WJBC) | TACP - Clinton PD | DeWitt County - EV-2 Clinton SD 15 | Macon County - IWP | Macon County - EOC | Macon County - TACP | McLean County - IWP | McLean County - EOC | McLean County - TACP | Piatt County - IWP | Piatt County - EOC | Piatt County - TACP | | | | | |
| Emergency Operations Management | | | | | | | | | | | | | | | | | | | |
| Mobilization | 1a1 | | | | | M | M | | M | M | | M | M | | | | | | |
| Facilities | 1b1 | | | | | | | | | | | | | | | | | | |
| Direction and Control | 1c1 | | | | | | M | | | M | | | | | | | | M | |
| Communications Equipment | 1d1 | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Equip & Supplies to support operations | 1e1 | | M | M | | M | M | | M | M | | | | | | | | M | M |
| Protective Action Decision Making | | | | | | | | | | | | | | | | | | | |
| Emergency Worker Exposure Control | 2a1 | | | | | | | | | | | | | | | | | | |
| Radiological Assessment and PARs | | | | | | | | | | | | | | | | | | | |
| Decisions for the Plume Phase -PADs | 2b2 | | | | | | | | | | | | | | | | | | |
| PADs for protection of special populations | 2c1 | | | | | | | | | | | | | | | | | | |
| Rad Assessment and Decision making for the Ingestion Exposure Pathway | 2d1 | | | | | | | | | | | | | | | | | | |
| Rad Assessment and Decision making concerning Relocation, Reentry, and Return | 2e1 | | | | | | | | | | | | | | | | | | |
| Protective Action Implementation | | | | | | | | | | | | | | | | | | | |
| Implementation of emergency worker exposure control | 3a1 | | M | M | | M | M | | M | M | | M | M | | M | M | | M | M |
| Implementation of KI decision | 3b1 | | M | M | | M | M | | M | M | | M | M | | M | M | | M | M |
| Implementation of protective actions for special populations - EOCs | 3c1 | | | | | | | | | | | | | | | | | | |
| Implementation of protective actions for Schools | 3c2 | | | M | | | | | | | | | | | | | | | |
| Implementation of traffic and access control | 3d1 | | M | | | M | M | | M | M | | M | M | | M | M | | M | M |
| Impediments to evacuation are identified and resolved | 3d2 | | | | | M | | | M | | | | | | M | | | | |
| Implementation of ingestion pathway decisions - availability/use of info | 3e1 | | | | | | | | | | | | | | | | | | |
| Materials for Ingestion Pathway PADs are available | 3e2 | | | | | | | | | | | | | | | | | | |
| Implementation of relocation, re-entry, and return decisions. | 3f1 | | | | | | | | | | | | | | | | | | |
| Field Measurement and Analysis | | | | | | | | | | | | | | | | | | | |
| Adequate Equipment for Plume Phase Field Measurements | 4a1 | | | | | | | | | | | | | | | | | | |
| Field Teams obtain sufficient information | 4a2 | | | | | | | | | | | | | | | | | | |
| Field Teams Manage Sample Collection Appropriately | 4a3 | | | | | | | | | | | | | | | | | | |
| Post plume phase field measurements and sampling | 4b1 | | | | | | | | | | | | | | | | | | |
| Laboratory operations | 4c1 | | | | | | | | | | | | | | | | | | |
| Emergency Notification and Public Info | | | | | | | | | | | | | | | | | | | |
| Activation of the prompt alert and notification system | 5a1 | M | | | | | | | | | | | | | | | | | |
| Activation of the prompt alert and notification system - Fast Breaker | 5a2 | | | | | | | | | | | | | | | | | | |
| Activation of the prompt alert and notification system - Exception areas | 5a3 | | | | | | | | | | | | | | | | | | |
| Emergency information and instructions for the public and the media | 5b1 | M | | | | | | | | | | | | | | | | | |
| Support Operations/Facilities | | | | | | | | | | | | | | | | | | | |
| Mon / decon of evacuees and emergency workers, and registration of evacuees | 6a1 | | | | | | | | | | | | | | | | | | |
| Mon / decon of emergency worker equipment | 6b1 | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Temporary care of evacuees | 6c1 | | | | | | | | | | | | | | | | | | |
| Transportation and treatment of contaminated injured individuals | 6d1 | | | | | | | | | | | | | | | | | | |

4.2. Status of Jurisdictions Evaluated

4.2.1. State Jurisdictions

4.2.1.1. State Initial Warning Point

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

4.2.1.2. State Emergency Operations Center/State of Illinois Response Center

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

4.2.1.3. Radiological Emergency Assessment Center

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

4.2.1.4. Unified Area Command

- a. MET: 1.c.1, 1.d.1, 1.e.1, 2.b.2, 3.d.1, 3.d.2, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 2.a.1.

ISSUE NO.: 13-07-2a1-A-02

ISSUE: OROs use a decision-making process 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 admin or PAGs.

CONDITION: The Incident Commander in the UAC failed to contact the IEMA Radiological Advisors in the Counties to inform them that the exposure limits were reduced by a factor of 10.

POSSIBLE CAUSE: The Incident Commander may not have been aware that the UAC is responsible for notifying the Radiological Advisors in the Counties when notified by the REAC that exposure limits have been reduced.

REFERENCE: J.10.e,f; K.3 a,b; K.4

EFFECT: County emergency workers could have exceeded the lower exposure limit and the resulting dose may have exceeded Federal dose limits.

RECOMMENDATION: Conduct training at the UAC on their responsibility of keeping the Radiological Advisors in the Counties advised of exposure control information when received from the REAC.

SCHEDULE OF CORRECTIVE ACTION: The REAC procedures have been revised to ensure that the counties will receive timely notification of changes in exposure limits. This information will be provided to the counties via the NARS and will be recorded in the Additional Information section of the NARS form. This ARCA will be corrected during the 2008 LaSalle exercise.

- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.5. Emergency Operations Facility

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

4.2.1.6. Joint Information Center

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.7. Illinois State Radiological Advisor - DeWitt County

- a. MET: 1.a.1, 1.c.1, 2.b.2, 2.c.1, 3.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.8. Illinois State Liaison - DeWitt County

- a. MET: 1.a.1, 1.d.1, 2.b.2, 2.c.1, 3.d.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.9. Illinois State Radiological Advisor - Macon County

- a. MET: 1.a.1, 1.c.1, 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.10. Illinois State Liaison - Macon County

- a. MET: 1.a.1, 1.d.1, 3.d.1, 3.d.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.11. Illinois State Liaison - McLean County

- a. MET: 1.a.1, 1.d.1, 3.d.1, 3.d.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.12. Illinois State Radiological Advisor - Piatt County

- a. MET: 1.a.1, 1.c.1, 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.13. Illinois State Liaison - Piatt County

- a. MET: 1.a.1, 1.d.1, 3.d.1, 3.d.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.14. Dosimetry Control Officer's Briefing - Illinois State Police District 6 Headquarters

- a. MET: 1.e.1, 3.a.1, 3.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.15. Traffic and Access Control Point at the Illinois State Police District 6 Headquarters

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.16. Medical Services (MS-1) Transportation - St Marys Hospital

- a. MET: 1.d.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None

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

4.2.1.17. Medical Services (MS-1) Hospital - St Marys Hospital

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.18. Monitoring of Evacuees and Emergency Workers - Stephen Decatur Middle School

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.19. Monitoring and Decontamination of Emergency Worker's Equipment - Stephen Decatur Middle School

- a. MET: 1.e.1, 3.a.1, 6.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.20. Public Registration - Stephen Decatur Middle School

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.21. Congregate Care Center - Stephen Decatur Middle School

- a. MET: 6.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2. Risk Jurisdictions

4.2.2.1. Dewitt County - Initial Warning Point

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

4.2.2.2. Dewitt County - Emergency Operations Center

- a. MET: 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.c.2, 3.d.1, 3.d.2, 5.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 3.a.1.

ISSUE NO.: 13-07-3a1-A-01

ISSUE: OROs issue appropriate dosimetry and procedures, and manage radiological exposure to emergency workers IAW plans and procedures. Emergency workers periodically and at the end of each mission read and record dosimeter reading. (NUREG-0654, K.3)

CONDITION: The Radiological briefing conducted by the County DCO did not include an explanation of established administrative levels of 3 R and the 10 R turn-back value. While referring the Deputy to the written instructions on the reverse of the Radiation Exposure Record Form, the DCO did not adequately discuss all the relevant information during the briefing.

POSSIBLE CAUSE: The DCO may have thought that referring the Deputy to the written instructions on the Radiation Exposure Form would complete his briefing concerning exposure control values.

REFERENCE: NUREG-0654, J.10.g.j.k

EFFECT: The Deputy, who was not fully aware of the established administrative levels of 3 R and the 10 R turn-back value, may not have properly practiced appropriate exposure control while in the 10-mile EPZ.

CORRECTIVE ACTION DEMONSTRATED: Upon completion of the TACP Dosimetry briefing by the DeWitt County DCO, the briefing was discussed with the IEMA controller. The controller took the opportunity to retrain the DeWitt County DCO. A re-demonstration of the Dosimetry briefing by the DeWitt County DCO was conducted shortly after the retraining. The DeWitt County DCO successfully provided a comprehensive radiological briefing including the administrative levels of 3 R and the turn-back value of 10 R with the Sheriff's Deputy.

- c. DEFICIENCY: None

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

4.2.2.3. Dewitt County - Traffic and Access Control Point

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.4. Dewitt County - Emergency Broadcasting Station - WBNQ/WBWN/WJBC

- a. MET: 1.d.1, 5.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.5. Traffic and Access Control - Clinton Police Department

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.6. DeWitt County - EV-2 Interview - Clinton School District 15

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.7. Macon County - Initial Warning Point

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

4.2.2.8. Macon County - Emergency Operations Center

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1, 3.d.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.9. Macon County - Traffic and Access Control Point

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.10. McLean County - Initial Warning Point

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

4.2.2.11. McLean County - Emergency Operations

Center

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1, 3.d.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.12. McLean County - Traffic and Access

Control Point

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.13. Piatt County - Initial Warning Point

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

4.2.2.14. Piatt County - Emergency Operations

Center

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1, 3.d.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.15. Piatt County - Traffic and Access Control

Point

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: None
- f. PRIOR ISSUES - UNRESOLVED: None

APPENDIX 1

ACRONYMS AND ABBREVIATIONS

| | |
|-------|--|
| ARC | American Red Cross |
| CA | County Administrator |
| CBC | County Board Chairman |
| CCC | Congregate Care Centers |
| CPS | Clinton Power Station |
| DCO | Dosimetry Control Officer |
| DRD | Direct-Reading Dosimeter |
| EAL | Emergency Action Level |
| EBS | Emergency Broadcast System |
| ECL | Emergency Classification Level |
| EMA | Emergency Management Agency |
| EMAC | Emergency Management Agency Coordinator |
| EMS | Emergency Medical Services |
| EMT | Emergency Medical Technician |
| ENC | Emergency News Center |
| EOC | Emergency Operations Center |
| EOF | Emergency Operations Facility |
| EPZ | Emergency Planning Zone |
| ER | Emergency Room |
| ESDA | Emergency Service Disaster Agency |
| EW | Emergency Workers |
| EWDK | Emergency Worker Dosimetry Kits |
| FEMA | Federal Emergency Management Agency |
| GE | General Emergency |
| GEMS | Gaseous Effluent Monitoring System |
| GPS | Geographical Positioning System |
| HD | Health Department |
| IC | Incident Commander |
| ICG | Illinois Central Gulf |
| IEMA | Illinois Emergency Management Agency |
| IEPA | Illinois Environmental Protection Agency |
| IIS | Illinois Information Service |
| IMERT | Illinois Medical Emergency Response Team |
| ISP | Illinois State Police |
| ISPRN | Illinois State Police Radio Network |
| IWIN | Interactive Weather Information Network |
| IWP | Initial Warning Point |
| JIC | Joint Information Center |
| LD | Luminescent Dosimeter |
| LEIRS | Local Emergency Information Radio Stations |
| NARS | Nuclear Accident Reporting System |
| NRC | Nuclear Regulatory Commission |
| NTRC | Northern Technical Response Center |

| | |
|-------|--|
| NWS | National Weather Service |
| PAD | Protective Action Decision |
| PAR | Protective Action Recommendation |
| PIO | Public Information Officer |
| PPE | Personnel Protective Equipment |
| PRS | Primary Radio Stations |
| RA | Radiological Advisor |
| RAC | Regional Assistance Committee |
| RACES | Radio Amateur Civil Emergency Services |
| RAFT | Radiological Assessment Field Team |
| REA | Radiological Emergency Area |
| REAC | Radiological Emergency Assessment Center |
| REP | Radiological Emergency Preparedness |
| RO | Radiological Officer |
| RSO | Radiation Safety Officer |
| SAE | Site Area Emergency |
| SIRC | State Incident Response Center |
| TACP | Traffic Access Control Point |
| TCP | Traffic Control Point |
| TSC | Technical Support Center |
| UAC | Unified Area Command |
| UHF | Ultra High Frequency |
| VHF | Very High Frequency |

APPENDIX 2

EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel who evaluated the Clinton Power Station REP Full Participation Plume Exposure Pathway exercise on September 12, 2007. Evaluator Team Leaders are indicated by an asterisk "*" before their names. The organization which each evaluator represents is indicated by the following abbreviations:

| | |
|----------|-----------------------------------|
| DHS/FEMA | Department of Homeland Security |
| USDOT | U.S. Department of Transportation |
| ICF | ICF Consulting |

| <u>TITLE</u> | <u>NAME</u> | <u>ORGANIZATION</u> |
|---|----------------|---------------------|
| Radiological Assistance Committee, Chairman | William King | DHS/FEMA |
| Exercise Director | Dwaine Warren | DHS/FEMA |
| Site Specialist | Delwyn Kinsley | DHS/FEMA |

DATE: 2007-09-12, SITE: Clinton Power Station, IL

| LOCATION | EVALUATOR | AGENCY |
|--|--|-------------------------------|
| State Initial Warning Point | Mark E. Dalton | ICF |
| State Emergency Operations Center/State of Illinois Response Center | Mark E. Dalton *Carolyn Sturghill Patrick Taylor | ICF DHS/FEMA ICF |
| Radiological Emergency Assessment Center | Thomas Essig Richard Grundstrom | ICF ICF |
| Unified Area Command | Richard Grundstrom Jeffry McSpaden Louis Sosler | ICF U.S. DOT ICF |
| Emergency Operations Facility | Robert Rospenda | ICF |
| Joint Information Center | George R MacDonald | ICF |
| Illinois State Radiological Advisor - DeWitt County | Delwyn Kinsley Lyle Slagle Richard Smith | DHS/FEMA ICF ICF |
| Illinois State Liaison - DeWitt County | Delwyn Kinsley Lyle Slagle Richard Smith | DHS/FEMA ICF ICF |
| Illinois State Radiological Advisor - Macon County | Harral Logaras Daniel Prevo | DHS/FEMA ICF |
| Illinois State Liaison - Macon County | Daniel Prevo | ICF |
| Illinois State Liaison - McLean County | Pat Tenorio | DHS/FEMA |
| Illinois State Radiological Advisor - Piatt County | Carl Bebrich Roy Smith | DHS/FEMA ICF |
| Illinois State Liaison - Piatt County | Roy Smith | ICF |
| Dosimetry Control Officer's Briefing - Illinois State Police District 6 Headquarters | Louis Sosler | ICF |
| Traffic and Access Control Point at the Illinois State Police District 6 Headquarters | Jeffry McSpaden | U.S. DOT |
| Medical Services (MS-1) Transportation - St Marys Hospital | Delwyn Kinsley | DHS/FEMA |
| Medical Services (MS-1) Hospital - St Marys Hospital | Sandra Bailey | DHS/FEMA |
| Monitoring of Evacuees and Emergency Workers - Stephen Decatur Middle School | Patrick Taylor | ICF |
| Monitoring and Decontamination of Emergency Worker's Equipment - Stephen Decatur Middle School | Patrick Taylor | ICF |
| Public Registration - Stephen Decatur Middle School | Lyle Slagle | ICF |
| Congregate Care Center - Stephen Decatur Middle School | Lyle Slagle | ICF |
| Dewitt County - Initial Warning Point | Gary Bolender | ICF |
| Dewitt County - Emergency Operations Center | Gary Bolender *Delwyn Kinsley Lyle Slagle Richard Smith | ICF DHS/FEMA ICF ICF |
| Dewitt County - Traffic and Access Control Point | David Petta | ICF |
| Dewitt County - Emergency Broadcasting Station - WBNQ/WBWN/WJBC | Robert Duggleby | ICF |
| Traffic and Access Control - Clinton Police Department | David Petta | ICF |
| DeWitt County - EV-2 Interview - Clinton School District 15 | Robert Duggleby | ICF |
| Macon County - Initial Warning Point | Frank Cordaro | ICF |
| Macon County - Emergency Operations Center | *Harral Logaras Daniel Prevo | DHS/FEMA ICF |
| Macon County - Traffic and Access Control Point | Frank Cordaro *Harral Logaras | ICF DHS/FEMA |
| McLean County - Initial Warning Point | David Seebart | ICF |

| | | |
|--|-------------------------------|----------------------|
| McLean County - Emergency Operations Center | *Sandra Bailey Pat Tenorio | DHS/FEMA DHS/FEMA |
| McLean County - Traffic and Access Control Point | David Seebart | ICF |
| Piatt County - Initial Warning Point | Richard Wessman | ICF |
| Piatt County - Emergency Operations Center | *Carl Bebrich Roy Smith | DHS/FEMA ICF |
| Piatt County - Traffic and Access Control Point | Richard Wessman | ICF |
| * Team Leader | | |

**STATE OF ILLINOIS EXTENT OF PLAY AGREEMENT
FOR THE
CLINTON STATION EXERCISE
September 12, 2007**

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 Radiological assistance Committee (RAC), 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 (SEOC), which houses the IEMA Communications Center (Initial Warning Point), the State of Illinois Response Center (SIRC) and the Radiological Emergency Assessment Center (REAC), will be activated. The IEMA Emergency Response Telecommunicator will implement procedures for notification of IEMA staff as defined in IEMA SOPs. The SIRC will be partially activated with IEMA personnel. REAC will be fully activated. Rosters will be provided to demonstrate 24-hour staffing of the SIRC and REAC. The evaluator will not be allowed to remove the rosters.

The Unified Area Command (UAC) will be activated with State district and regional personnel. Radiological Assessment Field Team (RAFT) and mobile lab will be activated for training purposes. IEMA personnel will be prepositioned in the local area and dispatched to the County EOCs, UAC, EOF, Technical Support Center (TSC) and the JIC. FEMA will not evaluate the TSC.

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

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 SIRC, REAC, the UAC and the JIC. Coordination will be demonstrated between the SIRC, the REAC, the UAC, the JIC, 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, cellular phone, radio] to communicate with other organizations and locations.

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. Dosimetry Control Officer (DCO) logs will be available from an IEMA Radiological Advisors in the County EOCs.

A DCO briefing/Traffic and Access Control (TAC) interview will be conducted by the Illinois State Police on September 11, 9 a.m. (tentative) at the ISP District 6 Headquarters in Pontiac. During this event, the availability of dosimetry will be demonstrated.

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 in REAC. A message will be injected in the DeWitt County EOC to drive the decision to authorize exposure in excess of administrative limits.

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.

The 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 SIRC.

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 SIRC and REAC. The State PAR will be transmitted to the EPZ counties via NARS.

The capability to determine which centers should be activated for monitoring, decontamination, registration reception and congregate care will be demonstrated at UAC, with input from the SIRC 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 SIRC and REAC. The State PAR will be transmitted to the EPZ counties via NARS.

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

Criterion 2.d.1: Radiological consequences for the ingestion pathway are assessed and appropriate protective action decisions are made based on the ORO's 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 ISP DCO briefing/TAC interview will be conducted on September 11, 9 a.m. (tentative), at the ISP District 6 Headquarters in Pontiac.

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 ISP DCO briefing/TAC interview will be conducted on September 11, 9 a.m. (tentative), at the ISP District 6 Headquarters in Pontiac.

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 UAC and the County EOCs, in accordance with the Clinton Station EPZ Traffic and Access Control procedures. The staffing of the State posts will be simulated during the exercise.

A TAC demonstration will be conducted in conjunction with the DOC briefing on September 11, 9 a.m. (tentative), at the ISP District 6 Headquarters in Pontiac.

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

This will be demonstrated through discussions at the UAC between the Illinois State Police and Illinois Department of Transportation. A message will be injected at the UAC that will drive this demonstration. State personnel will deal with the impediment by discussing the need for equipment, and its estimated time of arrival, etc. Actual contacts with resource providers will be made and 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 not be demonstrated during this exercise.

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 not be demonstrated during this exercise.

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 not be demonstrated during this exercise.

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 not be demonstrated during this exercise.

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

This criterion will not be demonstrated during this exercise.

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 DHS 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 representative in the DeWitt County EOC.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Activities associated with DHS 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 JIC in coordination with the SIRC, REAC, UAC and the DeWitt County EOC. IEMA personnel will be present at the JIC to coordinate with the Exelon staff. Media briefings will

be conducted at the JIC. A livestock advisory will be issued to the media from the JIC or the SIRC when appropriate.

A rumor control phone bank for public inquiries will not 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.*

An interview of State and local officials and inspection of Stephen Decatur Middle School will be conducted on September 11, at 9 a.m. (tentative). The following organizations will be represented at the interview: local EMA, Police and Fire Departments, American Red Cross and IEMA. Evacuees will not be processed. Monitoring equipment will not be available at the interview/inspection.

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.*

An interview of State and local officials and inspection of Stephen Decatur Middle School will be conducted on September 11, at 9 a.m. (tentative). The following organizations will be represented at the interview: local EMA, Police and Fire Department, American Red Cross and IEMA. Emergency worker equipment will not be processed. Monitoring equipment will not be available at the interview/inspection.

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.*

An interview of local officials and inspection of Stephen Decatur Middle School will be conducted on September 11, at 9 a.m. (tentative). Representatives of the American Red Cross will be present for the interview. Evacuees will not be processed. Equipment will not be available at the interview/inspection.

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 will be demonstrated during an out of sequence drill conducted at St. Mary's Hospital in Decatur.

**DEWITT COUNTY EXTENT OF PLAY AGREEMENT
FOR THE
CLINTON STATION EXERCISE
September 12, 2007**

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 Radiological assistance Committee (RAC), 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.

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 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 staffing of the EOC. Evaluators will not be allowed to remove the roster from 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 DeWitt County EOC. Coordination of decisions and emergency activities will be demonstrated between DeWitt County, the SIRC, UAC and the JIC, and between the County and municipalities within the EPZ. Coordination between DeWitt County and the support counties 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.

DeWitt 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.

DeWitt County will demonstrate the ability to support operations through the use of maps, status boards and other displays as appropriate. DCO logs will be available from the IEMA Radiological Advisor in the DeWitt County EOC. The availability of dosimetry and KI will be demonstrated during the traffic and access control demonstration and the school interview. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the DeWitt County EOC. The DCO briefing for the Clinton Police officer demonstrating traffic and access control will be conducted at the Clinton Police Department.

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 DeWitt 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 DeWitt 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 provide 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.

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

The State of Illinois will provide 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 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's planning criteria.

This criterion does not apply to DeWitt 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.

DeWitt County will demonstrate this criterion by close coordination with the IEMA Radiological Advisor 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 demonstrations and the school interview. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the DeWitt County EOC. The DCO briefing for the Clinton Police officer demonstrating traffic and access control will be conducted at the Clinton Police Department.

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, 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.

This criterion will also be demonstrated during the traffic control demonstrations and the school interview. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the DeWitt County EOC. The DCO briefing for the Clinton Police officer demonstrating traffic and access control will be conducted at the Clinton Police Department.

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

This 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. 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 public will not be involved in the demonstration.

The Mobility Impaired List will be available for inspection in the County EOC during the exercise. The evaluator will not be allowed to remove the list from the EOC.

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

DeWitt County officials will demonstrate this capability through the simulated implementation of the appropriate procedures in the county EOC. The EPZ schools and transportation providers will be contacted during the exercise.

A school interview will be conducted with the Clinton School District on September 11, 9 a.m. (tentative), in the District Office. The District Superintendent, a Principal, a Teacher, the transportation coordinator (DCO), the maintenance supervisor and a bus driver 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.

Coordination between DeWitt 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 DeWitt 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.

A Clinton Police officer will be available to demonstrate the staffing of one post. The post for the demonstration will be selected by the Clinton Police Department during the exercise based on exercise play if the scenario causes Clinton to staff posts. If it does not, the post will be selected by the evaluator.

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

The DeWitt 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. Actual contacts with resource providers will be made and 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 DeWitt 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 DeWitt 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 DeWitt 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.

DeWitt 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 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 (WBNQ/WBWN/WJBC). The local radio station will be contacted during the first, and possibly the second, alert and notification sequence. An evaluator and a controller will be positioned at the radio station during the exercise to monitor the initial message. If the initial message does not contain a PAR, the evaluator and controller will stay at the radio station for the second message.

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 DeWitt County.

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

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

The ability to provide information to the media will be demonstrated by DeWitt County through briefings held at the DeWitt 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 DeWitt County through coordination between the County EOC and the JIC. The DeWitt County EOC controller will inject exercise messages that 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 JIC.

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

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to DeWitt County.

**MACON COUNTY EXTENT OF PLAY AGREEMENT
FOR THE
CLINTON STATION EXERCISE
September 12, 2007**

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 Radiological assistance Committee (RAC), 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.

Macon County intends to activate the Emergency Operations Center (EOC) in Decatur, Illinois, 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, EMA, 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. A roster will be provided to demonstrate 24-hour County staffing of the EOC. Evaluators will not be allowed to remove the roster from 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.

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

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.

Macon County will use 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.

Macon 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 during the traffic and access control demonstration. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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 Macon 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 Macon 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).

This criterion does not apply to Macon County.

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

This criterion does not apply to Macon County.

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 Macon 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 does not apply to Macon County.

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.

Macon County will demonstrate this criterion by close coordination with IEMA and timely dissemination and exchange of information within the County Dosimetry Control Officer network.

This criterion 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. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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, Macon County officials will discuss the issuance of KI to emergency workers and immobile populations, as a voluntary measure. This criterion will also be demonstrated during the traffic and access control demonstration. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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 Macon County.

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

This criterion does not apply to Macon County.

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

Coordination between Macon County and DeWitt County will be demonstrated. 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 Macon County during the exercise based on exercise play if the scenario causes Macon County to staff posts. If it does not, the post will be selected by the evaluator. 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 Macon 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. Actual contacts with resource providers will be made and 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 Macon 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 Macon 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 does not apply to Macon County.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to Macon 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.

This criterion does not apply to Macon County.

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 Macon County.

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

This criterion does not apply to Macon County.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to Macon County.

**MCLEAN COUNTY EXTENT OF PLAY AGREEMENT
FOR THE
CLINTON STATION EXERCISE
September 12, 2007**

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 Radiological assistance Committee (RAC), 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.

McLean County intends to activate the Emergency Operations Center (EOC) in Bloomington, Illinois, 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, EMA, and the Sheriff's Department. If the scenario does not drive protective actions in McLean County, the County may decide to down staff the EOC to minimum staffing. A roster will be provided to demonstrate 24-hour County staffing of the EOC. Evaluators will not be allowed to remove the roster from 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.

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

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.

McLean County will use 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.

McLean 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 during the traffic and access control demonstration. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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 McLean 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 McLean 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).

This criterion does not apply to McLean County.

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

This criterion does not apply to McLean County.

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 McLean 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 does not apply to McLean County.

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.

McLean County will demonstrate this criterion by close coordination with IEMA and timely dissemination and exchange of information within the County Dosimetry Control Officer network.

This criterion 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. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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, McLean County officials will discuss the issuance of KI to emergency workers and immobile populations, as a voluntary measure. This criterion will also be demonstrated during the traffic and access control demonstration. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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 McLean County.

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

This criterion does not apply to McLean County.

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

Coordination between McLean County and DeWitt County will be demonstrated. 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 McLean County during the exercise based on exercise play if the scenario causes McLean County to staff posts. If it does not, the post will be selected by the evaluator. 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 McLean 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. Actual contacts with resource providers will be made and 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 McLean 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 McLean 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 does not apply to McLean County.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to McLean 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.

This criterion does not apply to McLean County.

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 ORC of a failure of the primary alert and notification system.

This criterion does not apply to McLean County.

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

This criterion does not apply to McLean County.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to McLean County.

**PIATT COUNTY EXTENT OF PLAY AGREEMENT
FOR THE
CLINTON STATION EXERCISE
September 12, 2007**

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 Radiological assistance Committee (RAC), 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.

Piatt County intends to activate the Emergency Operations Center (EOC) in Monticello, Illinois, 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, EMA 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. A roster will be provided to demonstrate 24-hour County staffing of the EOC. Evaluators will not be allowed to remove the roster from 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.

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

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.

Piatt County will use 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.

Piatt 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 during the traffic and access control demonstration. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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 Piatt 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 Piatt 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).

This criterion does not apply to Piatt County.

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

This criterion does not apply to Piatt County.

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 Piatt 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 does not apply to Piatt County.

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.

Piatt County will demonstrate this criterion by close coordination with IEMA and timely dissemination and exchange of information within the County Dosimetry Control Officer network.

This criterion 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. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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, Piatt County officials will discuss the issuance of KI to emergency workers and immobile populations, as a voluntary measure. This criterion will also be demonstrated during the traffic and access control demonstration. The DCO briefing for the deputy demonstrating traffic and access control will be conducted at the County EOC.

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 Piatt County.

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

This criterion does not apply to Piatt County.

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

Coordination between Piatt County and DeWitt County will be demonstrated. 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 Piatt County during the exercise based on exercise play if the scenario causes Piatt County to staff posts. If it does not, the post will be selected by the evaluator. 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 Piatt 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. Actual contacts with resource providers will be made and 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 Piatt 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 Piatt 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 does not apply to Piatt County.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to Piatt 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.

This criterion does not apply to Piatt County.

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 Piatt County.

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

This criterion does not apply to Piatt County.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to Piatt County.

OFFSITE MEDICAL DRILL

**ST. MARY'S HOSPITAL
DECATUR, IL**

**SEPTEMBER 10, 2007
Start time: 9:00 a.m.**

**EXTENT OF PLAY AGREEMENT
FOR THE
MEDICAL SERVICES EXERCISE
September 10, 2007**

Location: St. Mary's Hospital Transportation Provider: Decatur Ambulance
1800 E. Lake Shore Drive
Decatur, IL 62521

Participants:

Victim (volunteer from St. Mary's Hospital)

Lead Controller: Kathy Allen (IEMA)

IEMA ER Monitor: Don Eastep

IEMA Hospital Controller: Ken Evans

IEMA Ambulance Monitor: Julie Dixon

IEMA Ambulance Controller: Sheryl Roethlinger

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: For Transportation: 1.d.1, 3.a.1 and 6.d.1; for the Hospital, 1.d.1, 1.e.1, 3.a.1 and 6.d.1. Criteria may be re-demonstrated, as agreed by the Lead Controller and FEMA Evaluators.

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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.

The Decatur Ambulance Service will use 2-way radios to communicate with St. Mary's Hospital. Other communication systems that can be used include commercial telephone or cell phones.

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

St. Mary's Hospital will adequately demonstrate the ability to support operations, with adequate the resources. The availability of dosimetry and KI 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.

The use of dosimetry and KI will not be demonstrated during this exercise. The hospital will demonstrate procedures for limiting exposure to hospital staff, decontaminating a patient, and restricting access to the area where the patient is being treated and monitored.

EVALUATION AREA 6.d – TRANSPORTATION AND TREATMENT OF CONTAMINATED INJURED INDIVIDUALS

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

Decatur Ambulance Service will demonstrate the capability to transport contaminated, injured individuals to St. Mary's Hospital in Decatur. The ambulance crew will pick up a contaminated injured patient on the grounds of St. Mary's Hospital (simulating pick-up of a patient from Stephen Decatur Middle School, a designated Reception Center). The ambulance crew will be met by IEMA staff who will provide information regarding contamination levels on the patient.

Decatur Ambulance Service will call in the information regarding the patient to St. Mary's Hospital in Decatur so they can prepare for receipt of a contaminated patient. IEMA personnel will accompany the patient to the hospital along with the ambulance, bringing instrumentation to provide radiation readings and guidance to the hospital.

St. Mary's Hospital will implement their plan for receipt, isolation and treatment of an injured contaminated patient. Medical personnel will utilize universal precautions and good housekeeping practices to minimize the spread of contamination, and will focus on treating the patient's medical condition. Simple decontamination efforts will be demonstrated after the patient has been medically stabilized. IEMA personnel will discuss the need to take additional samples for further radiological analysis. Hospital personnel will demonstrate their knowledge of who to call beyond IEMA for assistance in Radiological Accidents, e.g., REAC/TS.

For purposes of this exercise, another IEMA staff member will be dispatched to St. Mary's Hospital with radiation detection and measurement equipment *in advance of the ambulance arriving*. The purpose of having two separate individuals for this exercise is to facilitate monitoring the ambulance and ambulance personnel so they are not kept out of service for an extended period of time.

St. Mary's Hospital also has a Nuclear Medicine Department, and Nuclear Medicine personnel are available to assist with radiation surveys and monitoring.

The drill will conclude with the hospital representative and IEMA personnel supervising the removal of protective clothing and surveying of the emergency room and hospital personnel. IEMA will also advise on the proper procedure for release or disposal of contaminated material.

Following the conclusion of the drill, a short critique will be held.

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 Offsite Response Organizations in the Clinton Power Station REP Partial Participation Plume Exposure Pathway exercise on September 12, 2007.

This exercise scenario was submitted by the State of Illinois and Exelon Nuclear and approved by DHS/FEMA Region V on August 3, 2007.

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.

OFFSITE EXERCISE TIMELINE

June 20, 2007

| Approx. Time | Event/Anticipated Response |
|-----------------|---|
| 0750 | Initial conditions/weather forecast message to players. |
| 0805 | An Alert is declared at Byron Station. |
| 0820 | Exelon notifies the IEMA Telecommunicator of the ALERT via NARS. IEMA Telecommunicator verifies the NARS message. An IEMA Duty Officer contacts the Byron Station Shift Engineer. IEMA Telecommunicator notifies IEMA personnel of the ALERT per SOP. IEMA may activate the State of Illinois Response Center (SIRC) and Radiological Emergency Assessment Center (REAC), if appropriate. IEMA may dispatch liaisons to the County EOCs, Unified Area Command (UAC), Radiological Assessment Field Team (RAFT) Staging Area, Joint Information Center (JIC), Technical Support Center (TSC) and Emergency Operations Facility (EOF), if appropriate. IEMA notifies Governor's Office of the ALERT. (Simulated) IEMA Telecommunicator notifies appropriate State agencies of the ALERT. IEMA notifies DHS/FEMA of the ALERT. (Simulated) |
| 0835 | IEMA Telecommunicator notifies Ogle County of the ALERT via NARS. County telecommunicator completes and verifies the NARS message. County telecommunicator notifies Ogle County officials, Winnebago County and municipalities of the ALERT per SOP. Winnebago County and municipal telecommunicators complete and verify the NARS message. Winnebago County and municipal telecommunicators notify officials of the ALERT per SOP. The counties and municipalities may activate the EOCs, if appropriate. |

| Approx. Time | Event/Anticipated Response |
|--------------|---|
| 0935 | A SITE AREA EMERGENCY is declared at Byron Station. |
| 0950 | <p>Exelon notifies the IEMA Telecommunicator of the SITE AREA EMERGENCY via NARS.</p> <p>IEMA Telecommunicator verifies the NARS message.</p> <p>REAC contacts the Byron Station Shift Engineer.</p> <p>SIRC is activated if not previously activated.</p> <p>SIRC notifies the Governor's Office and requests that a representative report to the State EOC. (Simulated)</p> <p>State dispatches liaisons to the County EOCs, UAC, RAFT, JIC, TSC and EOF, if not previously dispatched.</p> <p>SIRC notifies DHS/FEMA of conditions. (Simulated)</p> <p>IEMA notifies State agencies (Simulated):</p> <ul style="list-style-type: none"> - Illinois State Police - IDOT/Division of Highways - IDOT/Division of Aeronautics - IDNR - Illinois National Guard - ICC - American Red Cross - IDPH - IEPA - IDOC - IDHS - IDOA - Office of the State Fire Marshal - others as appropriate <p>REAC contacts Federal agencies. (Simulated)</p> <p>REAC provides an update to the SIRC and County EOC Liaisons.</p> <p>REAC provides an update to the JIC.</p> |
| 1005 | IEMA notifies Ogle County of the SITE AREA EMERGENCY via NARS. |

County telecommunicator completes and verifies the NARS message.

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

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

Winnebago County and municipal telecommunicators complete and verify the NARS message.

Winnebago County and municipal telecommunicators notify officials per SOP.

County and municipal EOCs are activated if not previously activated.

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

Approx.
Time

Event/Anticipated Response

1105 A GENERAL EMERGENCY is declared at Byron Station.

1120 Exelon notifies the IEMA Telecommunicator of the GENERAL EMERGENCY via NARS. Protective actions are recommended.

IEMA Telecommunicator verifies the NARS message.

The SIRC and REAC evaluate the protective action recommendation.

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

SIRC staff is advised of the situation.

SIRC advises UAC, the County EOC liaisons and JIC staff of the situation.

SIRC notifies DHS/FEMA of conditions. (Simulated)

REAC provides an update to the SIRC and County EOC liaisons.

REAC provides an update to the JIC.

1135 SIRC notifies Ogle County of the GENERAL EMERGENCY and the recommended protective actions via NARS.

County telecommunicator completes and verifies the NARS message.

County telecommunicator notifies Ogle County officials, Winnebago County and municipalities per SOP.

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

Winnebago County and municipal telecommunicators complete and verify and the NARS message.

Winnebago County and municipal telecommunicators notify EOC staff.

1210 The GENERAL EMERGENCY continues at Byron Station. A wind shift has occurred.

1225 Exelon notifies the IEMA Telecommunicator of the wind shift via NARS. Additional protective action are recommended.

IEMA Telecommunicator verifies the NARS message.

The SIRC and REAC evaluate the protective action recommendation.

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

SIRC staff is advised of the situation.

SIRC advises UAC, the County EOC liaisons and JIC staff of the situation.

SIRC notifies DHS/FEMA of conditions. (Simulated)

REAC provides an update to the SIRC and County EOC liaisons.

REAC provides an update to the JIC.

1240 SIRC notifies Ogle County of the wind shift and the recommended protective actions via NARS.

County telecommunicator completes and verifies the NARS message.

County telecommunicator advises Ogle County officials, Winnebago County and municipalities per SOP.

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

Winnebago County and municipal telecommunicators complete and verify and the NARS message.

Winnebago County and municipal telecommunicators advise EOC staff.

1315 Terminate exercise play.