



FEMA

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U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

To Whom It May Concern:

Enclosed is one copy of the Final Report for the April 30, 2008, Radiological Emergency Preparedness (REP) Full Participation Plume Exposure Pathway Exercise for the LaSalle County Station. The State of Illinois, Grundy and LaSalle Counties, and the utility owner/operator, Exelon Nuclear, participated in this exercise.

No Deficiencies were identified for any jurisdiction during this exercise.

There were no Areas Requiring Corrective Action (ARCAs) identified during this exercise for the State of Illinois.

There was one ARCA (Number 13-07-2.a.1-A-02) from a previous exercise for the State of Illinois under Criterion 2.a.1 - Protective Action Decision Making, Emergency Worker Exposure Control, whereby the Incident Commander in the Unified Area Command failed to contact the Illinois Emergency Management Agency Radiological Advisors in the Counties to inform them that the exposure limits were reduced by a factor of 10, that was resolved during this exercise.

There were no ARCAs identified during this exercise for Grundy County.

There was one ARCA identified for LaSalle County during this exercise under Criterion 3.a.1 - Protective Action Implementation, Emergency Worker Exposure Control, whereby an incomplete radiological briefing was presented at the Seneca School District 160. This ARCA was successfully re-demonstrated during the exercise.

There was one ARCA (Number 34-06-1.c.1-A-03) from a previous exercise for LaSalle County under Criterion 1.c.1 - Direction and Control, whereby excessive time was taken to sound the sirens and notify the public after LaSalle County verified receipt of State NARS Message No. 3, that was resolved during this exercise.

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Based on the results of the April 30, 2008, exercise, the offsite radiological emergency response plans and preparedness for the State of Illinois and affected local jurisdictions, site-specific to the LaSalle County Station, can be implemented and are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of a radiological emergency at the site.

Therefore, the Title 44 CFR, Part 350, approval of the offsite radiological emergency response plans and preparedness for the State of Illinois site-specific to the LaSalle County Station, granted on June 4, 1982, remains in effect.

Copies of this Report were transmitted to the DHS/FEMA National Office, Nuclear Regulatory Commission (NRC) Region III, and the State of Illinois.

If you have any questions, please contact William E. King, Chairman, Regional Assistance Committee, DHS/FEMA Region V, at (312) 408-5575.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Buikema", written in a cursive style.

Edward G. Buikema
Regional Administrator

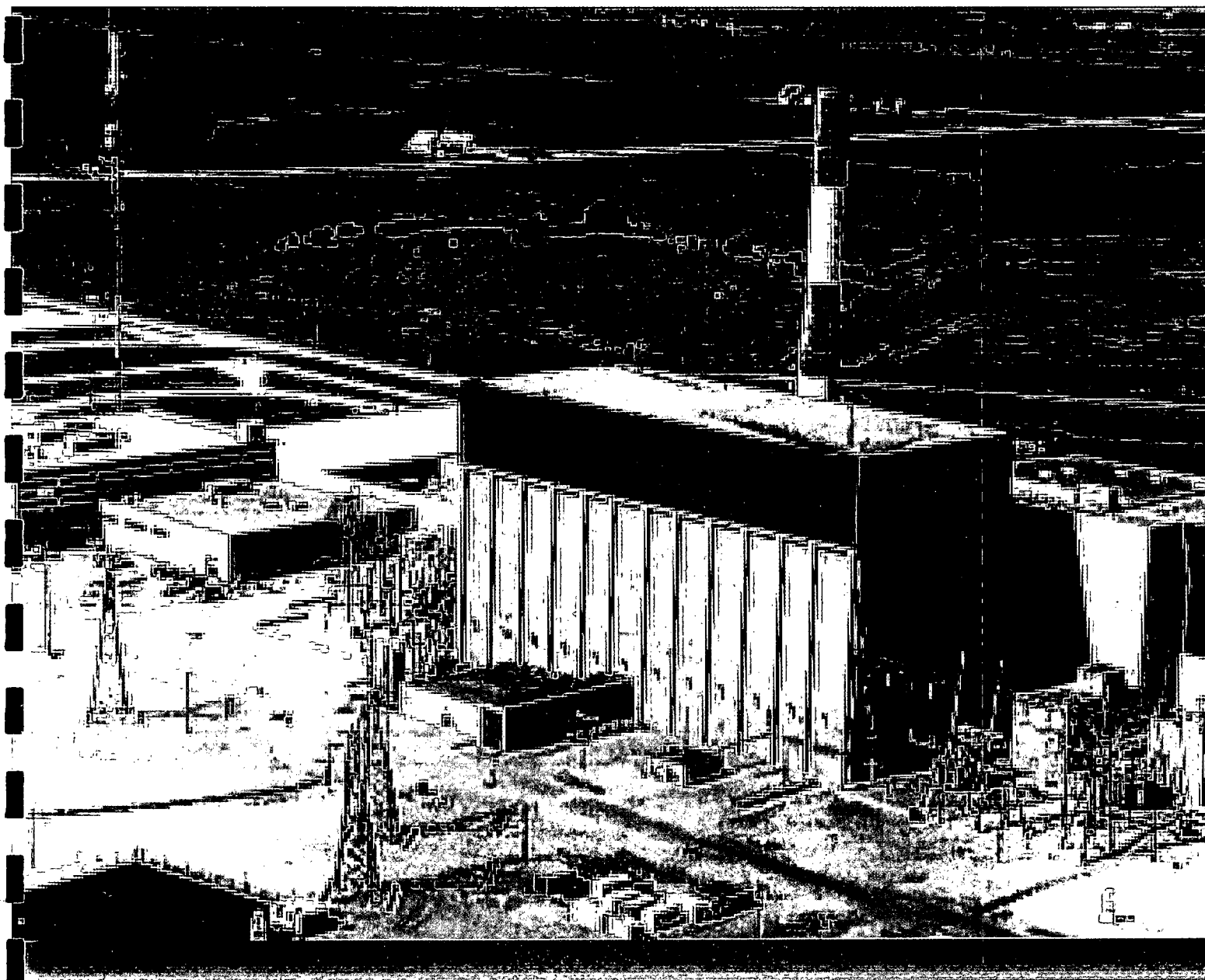
Enclosure (1)

LaSalle County Station Exercise – April 30, 2008

Final Report – Radiological Emergency Preparedness Program

July 17, 2008

FEMA Region V





FEMA

Final Exercise Report

LaSalle County Station

Licensee: Exelon Corporation

Exercise Date: April 30, 2008

Report Date: July 17, 2008

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

536 South Clark Street
Chicago, Illinois 60605 - 1521

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1. Executive Summary

On March 30, 2008, a Radiological Emergency Preparedness (REP) Full Participation Plume Exposure Pathway Exercise was conducted for the 10-mile Emergency Planning Zone (EPZ) around the LaSalle County Station by the U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region V. The purpose of the exercise was to assess the level of State and local preparedness in responding to a radiological emergency. This exercise was held in accordance with 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 November 15, 2006. The qualifying emergency preparedness exercise was conducted on December 4, 1980.

DHS/FEMA wishes to acknowledge the efforts of the many individuals in the State of Illinois and the Counties of Grundy and LaSalle who participated in this exercise.

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

This Final Report contains the evaluation of the biennial exercise, and the following activities that were conducted out-of-sequence on April 28, 29 and 30, 2008: State of Illinois: Illinois State Police (ISP) Dosimetry Control Officer (DCO) Briefing and Traffic and Access Control Point (TACP) were demonstrated at the ISP District 17 Headquarters. Monitoring and Decontamination of Evacuees and Emergency Workers (EW) and EW Equipment, Public Registration and Congregate Care Center were demonstrated at the Illinois Valley Community College.

Grundy County: There were no out-of-sequence activities.

LaSalle County: Protective Actions for Schools Interviews were demonstrated at the Grand Ridge School District, and at the Seneca School Districts 160 and 170. A DCO Briefing and TACP were demonstrated by the City of Marseilles Police.

State and local organizations, except where noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them.

No Deficiencies were identified for any jurisdiction during this exercise

There were no Areas Requiring Corrective Action (ARCAs) identified during this exercise for the State of Illinois.

There was one ARCA (Number 13-07-2.a.1-A-02) from a previous exercise for the State of Illinois under Criterion 2.a.1 - Protective Action Decision Making, Emergency Worker Exposure Control, whereby the Incident Commander in the Unified Area Command failed to contact the Illinois Emergency Management Agency Radiological Advisors in the Counties to inform them that the exposure limits were reduced by a factor of 10, that was resolved during this exercise.

There were no ARCAs identified during this exercise for Grundy County.

There was one ARCA identified for LaSalle County at the Seneca School District - 160 under Criterion 3.a.1 - Protective Action Implementation, Emergency Worker Exposure Control, whereby an incomplete radiological briefing was presented. The ARCA was successfully re-demonstrated during the exercise.

There was one ARCA (Number 34-06-1.c.1-A-03) from a previous exercise for LaSalle County under Criterion 1.c.1 - Direction and Control, whereby excessive time was taken to sound the sirens and notify the public after LaSalle County verified receipt of State NARS Message No. 3, that was resolved during this exercise.

A detailed discussion of these issues can be found in Part IV of the Report.

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.

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

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 Commerce;
 - U.S. Department of Energy;
 - U.S. Department of Health and Human Services;
 - U.S. Department of the Interior;
 - U.S. Department of Transportation;

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

Representatives of these agencies serve on the DHS/FEMA Radiological Assistance Committee (RAC), which is chaired by DHS/FEMA.

Formal submission of the RERPs for the LaSalle County Station to FEMA Region V Office by the State of Illinois and involved local jurisdictions occurred on March 31, 1981. Formal approval of these RERPs was granted to the State of Illinois on June 4, 1982, under 44 CFR 350.

A REP Full Participation Plume Exposure Pathway Exercise was conducted on April 30, 2008, by DHS/FEMA Region V to assess the capabilities of State and local offsite emergency preparedness organizations in implementing their RERPs and procedures to protect the public health and safety during a radiological emergency involving the LaSalle County 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 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.

Chapter 3 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 Emergency Planning Zone (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.

Chapter 4 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: 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 descriptions of unresolved ARCAs assessed during previous exercises, if applicable, 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 April 30, 2008, REP Full Participation Plume Exposure Pathway Exercise to test the offsite emergency response capabilities in the area surrounding the LaSalle County Station. This section of the exercise report includes a description of the 10-mile Emergency Planning Zone, a listing of all participating jurisdictions and functional entities that were evaluated, and a tabular presentation of the time of actual occurrence of key exercise events and activities.

3.1. EPZ Description

The LaSalle County Station, Units 1 and 2, is located on a 3,060-acre site in Brookfield Township, four miles west of the LaSalle and Grundy Counties line. It is located in the northeastern portion of Illinois, approximately seven miles south-southeast of the community of Marseilles, four and one-half miles south of the Illinois River, which runs east-west through LaSalle County and six miles southwest of the community of Seneca.

The 10-mile plume extends outward in all directions from the LaSalle County Station and impacts portions of LaSalle and Grundy Counties. This EPZ includes the municipalities of Grand Ridge, Marseilles, Ransom and Seneca in LaSalle County, and Kinsman and Verona in Grundy County.

The population distribution in this 10-mile EPZ is relatively low. Following is a list of the six largest communities in the area and their respective year 2000 population figures: Grand Ridge (546), Kinsman (109), Marseilles (4,655), Ransom (409), Seneca (2,053) and Verona (257). The year 2000 total population for these communities was 8,029 persons. The 10-mile EPZ is divided into 13 sub-areas. Following is a list of the sub-areas with their associated year 2000 permanent resident population: sub-area 1 (936), sub-area 2 (70), sub-area 3 (665), sub-area 4 (3,225), sub-area 5 (568), sub-area 6 (150), sub-area 7 (725), sub-area 8 (1,000), sub-area 9 (269), sub-area 10 (7,250), sub-area 11 (4,900), sub-area 13 (638) and sub-area 17 (314).

Primary land use around the LaSalle County Station is agricultural, with crops of corn and soybean. The closest industries are located in the communities of Marseilles and Seneca.

Recreational facilities outside the municipalities include a 60-acre park with camping

facilities on the southwest shore of the 2,058-acre cooling lake for the LaSalle County Station. The cooling lake, which occupies over two thirds of the 3,060 acre station site, has recreational boating and fishing. Seneca area marinas have facilities for over 400 boats on the Illinois River, and are just over four miles north-northeast of the LaSalle County Station. Five and one-half miles north-northwest of the Station is the 510-acre Illini State Park with camping, boating, picnicking and fishing.

Major transportation facilities in the LaSalle County Station EPZ are limited to Interstate 80, nine miles north of the Station and the Illinois Waterway, four and one-half miles north of the LaSalle County Station. Marseilles Lock and Dam, at river mile 244.5, is seven miles northwest. Five rail lines also run through the LaSalle County Station EPZ. Their location in the EPZ is described in relationship to the LaSalle County Station as follows: The Burlington Northern and Santa Fe Railway Company has two rail lines, a spur line into the Station from Ransom and the other line six miles from the Station running northeast to southwest; the CSX Transportation, Inc. line is five miles north, the Illinois Rail Net line is nine miles west, and the Norfolk Southern line is ten miles to the south just outside of the EPZ.

3.2. Exercise Participants

Agencies and organizations of the following jurisdictions participated in the LaSalle County Station exercise:

State Jurisdictions

- Illinois Commerce Commission
- Illinois Department of Agriculture
- Illinois Department of Central Management Services
- Illinois Department of Corrections
- Illinois Department of Natural Resources
- Illinois Department of Public Health
- Illinois Department of Transportation
- Illinois Department of Transportation, Aeronautics
- Illinois Emergency Management Agency (IEMA)
- IEMA, Division of Nuclear Safety
- Illinois Environmental Protection Agency
- Illinois National Guard
- Illinois Radiological Field Assessment Team
- Illinois State Police

Office of State Fire Marshal

Risk Jurisdictions

Grundy County Board Representative
Grundy County Department of Health
Grundy County Emergency Management Agency
Grundy County Highway Department
Grundy County Public Information Officer
Grundy County Resource Management
Grundy County Sheriff's Department
Grundy County Superintendent of Schools
City/Village of Verona
City of Kinsman
Regional Office of Education
LaSalle County Animal Rescue
LaSalle County Board
LaSalle County Emergency Management Agency
LaSalle County Health Department
LaSalle County Highway Department
LaSalle County School District
LaSalle County Sheriff
Brookfield Township
City of Marseilles
City of Marseilles Police Department
City of Oglesby Fire Department
City of Oglesby Police Department
Grand Ridge School District
Grand Ridge Township
Ottawa Fire Department
Seneca School District 160
Seneca School District 170

Private Jurisdictions

Amateur Radio Emergency Services
American Red Cross
Exelon Nuclear
Illinois Valley Community College
Morris Hospital
Radio Amateur Communication Emergency Services

Radio Stations WCMY/WRKX

Radio Stations WCSJ/WJDK

Federal Jurisdictions

Department of Energy Radiological Assistance Program Teams

Department of Homeland Security, Federal Emergency Management Agency

U.S. Nuclear Regulatory Commission

3.3. Exercise Timeline

Table 1, on the following page, presents the times at which key events and activities occurred during the LaSalle County Station Radiological Emergency Preparedness (REP) Full Participation Plume Exposure Pathway Exercise conducted on April 30, 2008. Also included are times that notifications were made to the participating jurisdictions/functional entities.

Table 1. Exercise Timeline

DATE AND SITE: April 30, 2008, LaSalle County Station

Emergency Classification Level or Event	Time Utility Declared	Time That Notification Was Received or Action Was Taken					
		State of Illinois	Radiological Emergency Assessment Center	Unified Area Command	Grundy County	LaSalle County	Joint Information Center
Unusual Event	NA	NA	NA	NA	NA	NA	NA
Alert	0812	0825	0825	0838	0842	0842	0836
Site Area Emergency	0951	1004	1003	1009	1014	1015	1000
General Emergency	1111	1127	1116	1140	1139	1138	1126
Release of Radioactive Material Started	1105	1127	1106	1140	1139	1138	1111
Release of Radioactive Material Terminated	NA	NA	NA	NA	NA	NA	NA
Facility Declared Operational		0930	0837	0845	0932	0840	1013
Declaration of Local Emergency		NA	NA	NA	0932	NA	NA
Declaration of State of Disaster Emergency		1105	NA	NA	NA	NA	NA
Exercise Termination		1300	1313	1304	1313	1324	1316
Early Precautionary Action Decision - Livestock Advisory: Place Livestock on Stored Feed and Protective Water Within 10-miles of the LaSalle County Station.		1029	NA	NA	NA	NA	1035
Early Precautionary Action Decision to Restrict Traffic for: Rail		0942	NA	NA	NA	NA	NA
Water		0942					
Air		1000					
General Instructional Message, Without Sirens, in Grundy County Only: Stay Tuned to EAS/EBS Radio Station Broadcasts for Further Information.		NA	NA	NA	0940	NA	NA
EBS Message: Grundy - WCSJ/WJDF					0943		
General Instructional Message With Sirens: Stay Tuned to EAS/EBS Radio Station Broadcasts for Further Information.		NA	NA	NA	1020	1011	NA
Siren Activation:					1025	1020	
EAS/EBS Message: Grundy - WCSJ/WJDF and LaSalle - WCMY/WRKX					1028	1023	
Protective Action Decision: Evacuate Sub-areas 1, 2, 3, 5 and 17		PAR 1127	PAR 1125	NA	1140	1138	NA
Siren Activation:					1150	1150	
EAS/EBS Message: Grundy - WCSJ/WJDF and LaSalle - WCMY/WRKX					1153	1155	
Protective Action Decision: Evacuate Sub-areas 4 and 13		PAR 1225	PAR - Without Sub-area 13 1223	NA	PAD Not to Add Sub-area 13	1234	NA
Siren Activation:						1240	
EAS/EBS Message: Grundy - WCSJ/WJDF and LaSalle - WCMY/WRKX						1243	
KI Administration Decision, Per Procedures for Emergency Workers and Immobile Populations		1127	1125	NA	No EWs in EPZ 1155	1138	NA

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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 April 30, 2008, REP Full Participation Plume Exposure Pathway exercise to test the off-site emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone surrounding the LaSalle County 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 4.2.)

Blank – Not scheduled for demonstration

Table 2 - Summary of Exercise Evaluation (3 pages)

		State - IWP	State EOC/SIRC	State Public Inquiry Phone Bank	REAC	UAC	RAFT	M&DEWE at RAFT	FT - 1	FT - 2	EOF	JIC	IL State Liason - Grundy
DATE: 2008-04-30 SITE: LaSalle County Station, IL A: ARCA, D: Deficiency, M: Met													
Emergency Operations Management													
Mobilization	1a1	M	M		M						M		
Facilities	1b1												
Direction and Control	1c1		M		M	M						M	M
Communications Equipment	1d1	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	
Protective Action Decision Making													
Emergency Worker Exposure Control	2a1		M		M								
Radiological Assessment and PARs	2b1		M		M								
Decisions for the Plume Phase -PADs	2b2		M		M	M							
PADs for protection of special populations	2c1		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								M	M			
Implementation of protective actions for special populations - EOCs	3c1												
Implementation of protective actions for Schools	3c2												
Implementation of traffic and access control	3d1					M							
Impediments to evacuation are identified and resolved	3d2					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								M	M			
Field Teams obtain sufficient information	4a2						M						
Field Teams Manage Sample Collection Appropriately	4a3						M		M	M			
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										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	
Support Operations/Facilities													
Mon / decon of evacuees and emergency workers, and registration of evacuees	6a1												
Mon / decon of emergency worker equipment	6b1							M					
Temporary care of evacuees	6c1												
Transportation and treatment of contaminated injured individuals	6d1												

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

DATE: 2008-04-30 SITE: LaSalle County Station, IL A: ARCA, D: Deficiency, M: Met		IL State Rad Advisor - Grundy County	IL State Liaison - LaSalle County	IL State Rad Advisor - LaSalle County	ISP at the LaSalle EOC	DCO Briefing - ISP District 17 HQ	TACP - ISP District 17	MEEW - Illinois Valley Community College	DEEW - Illinois Valley Community College	M&DEWE - Illinois Valley Community College	Pub Reg - Illinois Valley Community College	CCC - Illinois Valley Community College	Grundy County - IWP
Emergency Operations Management													
Mobilization	1a1	M		M									M
Facilities	1b1												
Direction and Control	1c1	M	M	M									
Communications Equipment	1d1	M	M	M			M		M			M	M
Equip & Supplies to support operations	1e1	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		M									
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				
Implementation of KI decision	3b1					M	M						
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						
Impediments to evacuation are identified and resolved	3d2				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									
Support Operations/Facilities													
Mon / decon of evacuees and emergency workers, and registration of evacuees	6a1							M	M		M		

Mon / decon of emergency worker equipment	6b1											M		
Temporary care of evacuees	6c1												M	
Transportation and treatment of contaminated injured individuals	6d1													

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

DATE: 2008-04-30 SITE: LaSalle County Station, IL A: ARCA, D: Deficiency, M: Met		Grundy County - EOC	Grundy County - EBS	LaSalle County - IWP	LaSalle County - EOC	DCO Briefing - County	LaSalle County - TACP	LaSalle County - EBS	LaSalle Co. EV-2 Grand Ridge SD	LaSalle Co. EV-2 Seneca SD 170	LaSalle Co. EV-2 Seneca SD 160	City of Marseilles Police DCO Briefing	City of Marseilles Police TACP
Emergency Operations Management													
Mobilization	1a1	M		M	M								
Facilities	1b1												
Direction and Control	1c1	M			M								
Communications Equipment	1d1	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			M								
PADs for protection of special populations	2c1	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	M	M	M	M	M	M	M
Implementation of KI decision	3b1	M			M	M	M	M	M	M	M	M	M
Implementation of protective actions for special populations - EOCs	3c1	M			M								
Implementation of protective actions for Schools	3c2	M			M			M	M	M			
Implementation of traffic and access control	3d1				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	M		M			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								
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

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

- Met – Listing of the demonstrated exercise criteria under which no Deficiencies or ARCAs were assessed during this exercise and under which no ARCAs assessed during prior exercises remain unresolved.
- Deficiency – Listing of the demonstrated exercise criteria under which one or more Deficiencies were assessed during this exercise. Included is a description of each Deficiency and recommended corrective actions.
- Area Requiring Corrective Action – Listing of the demonstrated exercise criteria under which one or more ARCAs was assessed during the current exercise or ARCAs assessed during prior exercises remain unresolved. Included is a description of the ARCAs assessed during this exercise and the recommended corrective action to be demonstrated before or during the next biennial exercise.
- Not Demonstrated – Listing of the exercise criteria that were not demonstrated as scheduled during this exercise and the reason(s) they were not demonstrated.
- Prior Issues – Resolved – Descriptions of ARCAs assessed during previous exercises that were resolved in this exercise and the corrective actions demonstrated.
- Prior Issues – Unresolved – Descriptions of ARCAs assessed during prior exercises that were not resolved in this exercise. Included is the reason the ARCA remains unresolved and recommended corrective actions to be demonstrated before or during the next biennial exercise.

The following are definitions of the two types of exercise issues that maybe discussed in this report.

- A Deficiency is defined in FEMA-REP-14 as "...an observed or identified inadequacy of organizational performance in an exercise that could cause a finding that offsite emergency preparedness is not adequate to provide reasonable assurance that

appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of a nuclear power plant."

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

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

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

- Plant Site Identifier – A two-digit number, corresponding to the Utility Billable Plant Site Code.
- Exercise Year – The last two digits of the year the exercise was conducted.
- Criterion Number – An alpha and two-digit number corresponding to the criteria numbers in the six Exercise Evaluation Areas described in Federal Register Notice, Vol. 67, No. 80, dated April 25, 2002, which amends FEMA-REP 14, Radiological Emergency Preparedness Exercise Manual.
- Issue Classification Identifier – (D = Deficiency, A = ARCA). Only Deficiencies and ARCAs are included in exercise reports. Plan Issues are reported to the State(s) via a letter from the Regional Director. Therefore, standardized issue numbers are not assigned to Plan Issues.
- Exercise Identification Number – A separate two- (or three-) digit indexing number assigned to each issue identified in the exercise.

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. Public Inquiry Phone Bank

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

e. PRIOR ISSUES - RESOLVED: 2.a.1.

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

ISSUE: This ISSUE NO.: 13-07-2a1-A-02, was transferred to the REAC per the plans.

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.

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.

CORRECTIVE ACTION DEMONSTRATED: Through a change in the Illinois Plan for Radiological Accidents, the State EOC has changed the process for notifying affected organizations of a reduction in the dose reporting limit. When REAC makes a recommend to reduce the dose reporting limit, the recomendation is sent to the State EOC Manager via an electronic NARS form on the State EOC Groove network. The State EOC Manager sends out the reduction information as a NARS message.

During the exercise the Health Physics Specialist recommended to the REAC Manager that the dose reporting limit should be reduced from 3R to 1R. At 1133 hours, the REAC Manager issued a PAR to the State EOC Manager recommending that the dosimetry reporting limit for emergency workers be reduced from 3R to 1R. This information was transmitted to everyone as a NARS message. At 1206 hours, the REAC NARS Specialist received a NARS message that indicated the reduced dosimetry reporting limit. This action confirmed that the information had been sent.

f. PRIOR ISSUES - UNRESOLVED: None

4.2.1.5. Unified Area Command

a. MET: 1.c.1, 1.d.1, 1.e.1, 2.b.2, 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

4.2.1.6. Radiological Assessment Field Team

- a. MET: 1.d.1, 1.e.1, 4.a.2, 4.a.3.
- 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. Monitoring and Decontamination of Emergency Worker's Equipment at the RAFT

- a. MET: 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

4.2.1.8. Field Team 1

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 4.a.1, 4.a.3.
- 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. Field Team 2

- a. MET: 1.d.1, 1.e.1, 3.a.1, 3.b.1, 4.a.1, 4.a.3.
- 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. Emergency Operations Facility

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

4.2.1.11. Joint Information Center

- a. MET: 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

4.2.1.12. Illinois State Liaison - Grundy County

- a. MET: 1.c.1, 1.d.1, 5.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 Radiological Advisor - Grundy County

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.b.2, 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

4.2.1.14. Illinois State Liaison - LaSalle County

- a. MET: 1.c.1, 1.d.1, 5.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

4.2.1.15. Illinois State Radiological Advisor - LaSalle County

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 2.b.2, 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

4.2.1.16. Illinois State Police at the LaSalle County EOC

- a. MET: 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

4.2.1.17. Dosimetry Control Officer's Briefing - Illinois State Police District 17 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

4.2.1.18. Traffic and Access Control Point at the Illinois State Police District 17 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

4.2.1.19. Monitoring of Evacuees and Emergency Workers - Illinois Valley Community College

- a. MET: 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

4.2.1.20. Decontamination of Evacuees and Emergency Workers - Illinois Valley Community College

- 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. Monitoring and Decontamination of Emergency Worker's Equipment - Illinois Valley Community College

- a. MET: 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

4.2.1.22. Public Registration - Illinois Valley Community College

- a. MET: 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

4.2.1.23. Congregate Care Center - Illinois Valley Community College

- a. MET: 1.d.1, 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. Grundy 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. Grundy 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.2, 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

4.2.2.3. Grundy County - Emergency Broadcast System Station - WCSJ/WJDK

- a. MET: 5.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

4.2.2.4. LaSalle 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

4.2.2.5. LaSalle 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: None
- c. DEFICIENCY: None
- d. NOT DEMONSTRATED: None
- e. PRIOR ISSUES - RESOLVED: 1.c.1.

ISSUE NO.: 34-06-1c1-A-03

ISSUE: Excessive time was taken to sound the sirens and notify the public after LaSalle County verified receipt of State NARS Message No. 3. The message was verified with the State at 1148 hours, County EOC responders began discussing the State PAR at 1201 hours, and a PAD was made at 1210 hours. Sirens were sounded at 1215 hours.

CORRECTIVE ACTION DEMONSTRATED: All sirens were sounded within 12 minutes or less of reaching a PAD following receipt the NARS Message, and were coordinated with Grundy County. An emphasis on timely public notification and coordination with Grundy County was evident. Live broadcasts of EAS messages immediately followed the sounding of the sirens with appropriate information in all three cases of the siren activation.

- f. PRIOR ISSUES - UNRESOLVED: None

4.2.2.6. Dosimetry Control Officer's Briefing - County EOC

- 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

4.2.2.7. LaSalle 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

4.2.2.8. LaSalle County - Emergency Broadcast System Station - WCMY/WRKX

- a. MET: 5.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

4.2.2.9. LaSalle County - EV-2 Interview - Grand Ridge School District

- 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

4.2.2.10. LaSalle County - EV-2 Interview - Seneca School District 170

- 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

4.2.2.11. LaSalle County - EV-2 Interview - Seneca School District 160

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

ISSUE NO.: 34-08-3a1-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 DCO's briefing was considered incomplete because a number of important items pertaining to dosimetry and KI were omitted. These items included the radiation exposure limit of 3 R, the purpose of the Radiation Exposure Record, recording the DRD readings on the person's Radiation Exposure Record, as well as the exposure/dose limits, what activities would warrant receiving those doses, and who would authorize such activities and doses. Additionally, important KI considerations were not presented. They included taking KI when ordered, who authorizes taking KI, the frequency of taking KI, and recording the taking of KI on the person's Radiation Exposure Record.

POSSIBLE CAUSE: The DCO was recently appointed and was giving his first dosimetry and KI briefing. Although information concerning what topics should be discussed during the briefing was available to him, the DCO chose not to

use them during his briefing.

REFERENCE: NUREG-0654 element K.3.a, 3.b

EFFECT: Briefings that omit or underemphasize any or all items above could result in the emergency worker being unaware of incurring excessive and perhaps dangerous amounts of radiation, receiving inappropriate or insufficient medical treatment, and keeping the worker from knowing and exercising his or her options before accepting high-risk mission.

CORRECTIVE ACTION DEMONSTRATED: A re-demonstration, consisting of the dosimetry and KI briefing by the DCO and an interview with the bus driver regarding his understanding of his dosimetry and KI, was conducted on May 1, 2008, at the Superintendent's Office (SO) for the LaSalle County (LC) Seneca School District (SSD) 160, located in the Seneca High School, 307 East Scott Street, Seneca, Illinois.

The re-demonstration began at 0930 hours, and followed training given by officials from the Illinois Emergency Management Agency and Exelon Nuclear to the same DCO and bus driver players evaluated two days earlier.

The DCO presented a thorough and understandable briefing to the bus driver. The briefing started at 0940 hours. Items discussed included zeroing and reading the DRD; filling out the worker's Radiation Exposure Record; checking the DRD at least every 30 minutes; recording the initial and each subsequent DRD reading on the worker's Radiation Exposure Record; the administrative reporting limit of 3 R; the stop and turn-back value of 10 R; proper use of the Luminescent Dosimeter (LD); returning the dosimetry to the DCO at the end of the mission (unless otherwise directed); where to wear the DRD and LD; and the increased risks associated with missions in areas of high radiation to protect valuable property or large populations or to perform life-saving acts.

Additionally, the DCO enumerated the purpose of KI, that the taking of KI is voluntary, that KI may have side effects (especially to those allergic to shellfish), to take KI only when instructed by the DCO, to take one 130 mg tablet per 24-hour period, to record each KI tablet taken on the worker's Radiation Exposure Record, and to include all unused KI in the return of

dosimetry to the DCO at the end of the mission, or as otherwise directed.

The DCO briefed from a script during this re-demonstration. The briefing was clear, concise and covered all pertinent aspects of the use of dosimetry and KI. It concluded at 0945 hours.

A separate interview was conducted with the bus driver to assess his understanding of the use of his dosimetry and KI. The interview began at 0950 hours.

The bus driver was thoroughly versed in the use of dosimetry, to include knowing how and where to affix his DRD and LD; filling out his Radiation Exposure Record; how often to read his DRD (every 30 minutes); his administrative radiation exposure limit of 3 R; his stop and turn-back limit of 10 R; the maximum exposure readings for high risk activities such as protecting property or large populations and life-saving acts; that authorization for such activities would be passed from authorizing officials by the DCO; and that his dosimetry would be returned to the DCO; or as otherwise directed upon completion of the mission.

In discussing KI, the bus driver understood the purpose of KI, that taking KI was voluntary, that he had no known allergy or condition that would preclude his taking KI, that KI should be taken only when ordered to do so, the dosage and frequency for taking KI was one 130 mg tablet every 24-hour period, that each taking of KI must be recorded on the Radiation Exposure Record, and, to include all unused KI when returning his dosimetry to the DCO, or as otherwise directed.

All aspects of emergency worker knowledge of dosimetry and KI were demonstrated by the bus driver during this interview. The interview concluded at 0955 hours.

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

4.2.2.12. City of Marseilles Police Dosimetry Control Officer's Briefing

- 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

4.2.2.13. City of Marseilles Police 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

ACP	Access Control Point
ALARA	As Low As Reasonable Achievable
ARC	American Red Cross
ARCA	Area Requiring Corrective Action
ARES	Amateur Radio Emergency Services
CCC	Congregate Care Center
CFR	Code of Federal Regulations
cpm	counts per minute
DCO	Dosimetry Control Officer
DHS	Department of Homeland Security
DRD	Direct-Reading Dosimeter
EAL	Emergency Action Level
ECL	Emergency Classification Level
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPZ	Emergency Planning Zone
EV-2	Protective Actions for School Children
EW	Emergency Workers
FEMA	Federal Emergency Management Agency
FTC	Field Team Center
GE	General Emergency
HP	Health Physics or Health Physicist
HS	High School
ICF	ICF Consulting
IEMA	Illinois Emergency Management Agency
IPRA	Illinois Plan for Radiological Accidents
ISP	Illinois State Police
JIC	Joint Information Center
KI	Potassium Iodide
LD	Luminescent Dosimeter
M&D	Monitoring and Decontamination
mR	milliRoentgen
mR/hr	milliRoentgen per Hour
N/A	Not Applicable
NARS	Nuclear Accident Reporting System
NRC	Nuclear Regulatory Commission
NUREG-0654	NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants, November 1980.
NWS	National Weather Service
ORO	Off-site Response Organization
PAD	Protective Action Decision
PAG	Protective Action Guide

PAO	Public Affairs Official
PAR	Protective Action Recommendation
PIO	Public Information Officer
PNS	Prompt Notification System
R	Roentgen
R/hr	Roentgen per hour
RAC	Radiological Assistance Committee
RACES	Radio Amateur Civil Emergency Services
RAFT	Radiological Assessment Field Team
RASCAL	Radiological Assessment System for Consequence Analysis
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RDO	Radiological Defense Officer
REA	Radiation Emergency Area
REAC	Radiological Emergency Assessment Center
rem	Roentgen Equivalent Man
REP	Radiological Emergency Preparedness
RERP	Radiological Emergency Response Plan
RO	Radiological Officer
SAE	Site Area Emergency
SEOC	State Emergency Operations Center
SGTS	Standby Gas Treatment System
SIRC	State of Illinois Response Center
SOP	Standard Operating Procedure
TACP	Traffic and Access Control Point
TL	Team Leader
UAC	Unified Area Command

APPENDIX 2

EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel who evaluated the LaSalle County Station REP Full Participation Plume Exposure Pathway exercise on April 30, 2008. 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/Federal Emergency Management Agency
DOT Department of Transportation
ICF ICF Consulting

<u>TITLE</u>	<u>NAME</u>	<u>ORGANIZATION</u>
Radiological Assistance Committee, Chairman	William E. King	DHS/FEMA
Exercise Director	Gary L. Naskrent	DHS/FEMA
Site Specialist	Sandra L. Bailey	DHS/FEMA

DATE: 2008-04-30, SITE: LaSalle County Station, IL

LOCATION	EVALUATOR	AGENCY
State Initial Warning Point	Clinton Crackel	DHS/FEMA
State Emergency Operations Center/State of Illinois Response Center	Gary Bolender Robert Duggleby	ICF ICF
Public Inquiry Phone Bank	Clinton Crackel	DHS/FEMA
Radiological Emergency Assessment Center	James Foster Raymond Wood	ICF ICF
Unified Area Command	Clark Cofer George R MacDonald	ICF ICF
Radiological Assessment Field Team	Richard Watts	ICF
Monitoring and Decontamination of Emergency Worker's Equipment at the RAFT	Richard Watts	ICF
Field Team 1	Dennis Wilford	ICF
Field Team 2	Mark Lowman	ICF
Emergency Operations Facility	Richard Grundstrom	ICF
Joint Information Center	Paul Nied	ICF
Illinois State Liaison - Grundy County	Robert Vork	ICF
Illinois State Radiological Advisor - Grundy County	Sonia Eischen Robert Vork	ICF ICF
Illinois State Liaison - LaSalle County	Gary Goldberg	ICF
Illinois State Radiological Advisor - LaSalle County	DeeEil Fifield Gary Goldberg Morrison Jackson	ICF ICF ICF
Illinois State Police at the LaSalle County EOC	DeeEil Fifield	ICF
Dosimetry Control Officer's Briefing - Illinois State Police District 17 Headquarters	Mark Lowman	ICF
Traffic and Access Control Point at the Illinois State Police District 17 Headquarters	George R MacDonald	ICF
Monitoring of Evacuees and Emergency Workers - Illinois Valley Community College	James Foster	ICF
Decontamination of Evacuees and Emergency Workers - Illinois Valley Community College	Richard Smith	ICF
Monitoring and Decontamination of Emergency Worker's Equipment - Illinois Valley Community College	Dennis Wilford	ICF
Public Registration - Illinois Valley Community College	Clark Cofer	ICF
Congregate Care Center - Illinois Valley Community College	Paul Nied	ICF
Grundy County - Initial Warning Point	Jeffry McSpaden	U.S. DOT
Grundy County - Emergency Operations Center	Sonia Eischen Jeffry McSpaden Robert Vork	ICF U.S. DOT ICF
Grundy County - Emergency Broadcast System Station - WCSJ/WJDK	Jeffry McSpaden	U.S. DOT
LaSalle County - Initial Warning Point	Greg Vanden-Eykel	ICF
LaSalle County - Emergency Operations Center	DeeEil Fifield Gary Goldberg Morrison Jackson	ICF ICF ICF
Dosimetry Control Officer's Briefing - County EOC	Morrison Jackson	ICF
LaSalle County - Traffic and Access Control Point	Greg Vanden-Eykel	ICF
LaSalle County - Emergency Broadcast System Station - WCMY/WRKX	David Petta	ICF
LaSalle County - EV-2 Interview - Grand Ridge School District	Clinton Crackel	DHS/FEMA
LaSalle County - EV-2 Interview - Seneca School District 170	David Seebart	ICF

LaSalle County - EV-2 Interview - Seneca School District 160	David Petta	ICF
City of Marseilles Police Dosimetry Control Officer's Briefing	David Seebart	ICF
City of Marseilles Police Traffic and Access Control Point	Richard Smith	ICF
* Team Leader		

APPENDIX 3

EXERCISE CRITERIA AND EXTENT-OF-PLAY AGREEMENT

This appendix lists the exercise criteria, which were scheduled for demonstration in the LaSalle County Station REP Full Participation Plume Exposure Pathway Exercise on April 30, 2008, and the off-site extent-of-play agreement approved by DHS/FEMA Region V on April 1, 2008.

The exercise criteria, contained in the FEMA "Radiological Emergency Preparedness Exercise Evaluation Methodology; Notice," as published in the Federal Register Notice/Vol 67, dated April 25, 2002, represent a functional translation of the planning standards and evaluation criteria of NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for the Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980.

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

A. Exercise Criteria

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

**STATE OF ILLINOIS EXTENT OF PLAY AGREEMENT
FOR THE
LASALLE COUNTY STATION EXERCISE
April 30, 2008**

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

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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

The State Emergency Operations Center (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 fully activated with a variety of State agencies. 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.

An actual phone call will be made to the FEMA advising them of the situation at LaSalle Station. Follow up calls to FEMA will be simulated.

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 in Mazon. IEMA personnel will be prepositioned in the local area and dispatched to the County EOCs, UAC, RAFT, 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 the 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 April 29, 10 a.m., at the ISP District 17 Headquarters in LaSalle. 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 LaSalle 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.

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 on April 29, 10 a.m., at the ISP District 17 Headquarters in LaSalle.

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 on April 29, 10 a.m., at the ISP District 17 Headquarters in LaSalle.

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 LaSalle Station EPZ Traffic and Access Control procedures. The staffing of the State posts will be simulated during the exercise.

A TAC interview will be conducted in conjunction with the DOC briefing on April 29, 10 a.m., at the ISP District 17 Headquarters in LaSalle.

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 to the ISP representative at the LaSalle County EOC 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 be demonstrated at RAFT with field teams performing radiation measurements with various monitoring equipment. Air samples will be taken with charcoal cartridges and the availability of silver zeolite cartridges will be indicated. Two field teams will be evaluated.

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

This criterion will be demonstrated at RAFT.

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

This criterion will be demonstrated by the field teams and information will be coordinated with RAFT. Samples appropriate to the area and season will be collected and transported in accordance with SOPs. Two field teams will be evaluated. Each team will take an air sample with particulate filters.

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 EPZ counties and monitoring the instructional messages provided to the public by the counties. This monitoring will be accomplished by IEMA representatives in the County EOCs.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Activities associated with 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 County EOCs. 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 be operated in the SEOC 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.

This criterion will be demonstrated at Illinois Valley Community College during an out of sequence of demonstration conducted on April 29, with set up beginning at 9 a.m. Two portal monitors will be set up during the demonstration. Evacuee and emergency worker monitoring and decontamination will be demonstrated. The appropriate number of evacuees will be processed to meet the 20% in 12 hours requirement.

Field team staff will discuss procedures for handling personal belongings and evacuee vehicles. An evacuee vehicle will not be monitored and decontaminated.

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.

This criterion will be demonstrated at Illinois Valley Community College during an out of sequence demonstration conducted on April 29, with set up beginning at 9 a.m. An emergency worker vehicle will be monitored and decontaminated by field team staff.

During the exercise, at the RAFT Staging Area, field team staff will demonstrate monitoring of a field team vehicle. Decontamination of that vehicle will be simulated via an interview.

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.

This criterion will be demonstrated at Illinois Valley Community College during an out of sequence demonstration conducted on April 29, with set up beginning at 9 a.m. Local organizations responsible for operating a reception and congregate care center will be present to demonstrate this criterion.

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

This criterion will be demonstrated during a drill conducted at the Ottawa Community Hospital later in 2008. The hospital is not able to conduct the drill during the week of the exercise due to an ongoing construction project.

**GRUNDY COUNTY EXTENT OF PLAY AGREEMENT
FOR THE
LASALLE COUNTY STATION EXERCISE
April 30, 2008**

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

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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

Grundy County intends to fully activate the Emergency Operations Center (EOC) in Morris, Illinois. The County will implement notification procedures as defined in IPRA-LaSalle. Representatives from 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.

The Grundy County Sheriff's Department will allow an evaluator to observe and evaluate the initial NARS message and notification at the Sheriff's Communications Center. The following conditions apply:

- Telecommunicators shift change takes place at 7 a.m. There is an exchange of information between shifts, usually from 6:50 a.m. to 7:10 a.m. Evaluators are asked not to be disruptive to this process.
- If major events occur or are occurring, evaluators will be asked to leave.
- Evaluators are expected to observe and evaluate without creating additional disruptions.

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 in the Grundy County EOC. Coordination of decisions and emergency activities will be demonstrated between Grundy County, the SIRC, UAC and the JIC, and between the County and municipalities within the EPZ. Coordination between Grundy County and LaSalle County will be demonstrated.

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

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

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

Grundy County will adequately demonstrate the ability to support operations through the use of maps, status boards and other displays as appropriate. DCO logs will be available from the IEMA Radiological Advisor in the County EOC. The availability of dosimetry and KI will be demonstrated 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 insure that an exposure control system, including the use of KI, is in place for emergency workers including provisions to authorize radiation exposure in excess of administrative limits or protective action guides.

This criterion does not apply to Grundy County.

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

This criterion does not apply to Grundy County.

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

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

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

The State of Illinois will make protective action recommendations to Grundy County officials in the County EOC. The Grundy County officials will make the

final decision regarding what protective actions will be recommended for special population groups.

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

This criterion does not apply to Grundy County.

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

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

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

Grundy County will demonstrate this criterion by 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.

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, Grundy 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.

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

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

type of transportation provider (ambulance/bus) will be contacted during the exercise. 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.

Grundy County officials will demonstrate this capability through the simulated implementation of the appropriate task assignment in the County EOC.

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

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

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

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

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

This criterion does not apply to Grundy County.

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

This criterion will not be demonstrated during this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

This evaluation area does not apply to Grundy County.

EVALUATION AREA 5 - EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

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

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

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

The ability to provide instructions to the public will be demonstrated through the simulated activation of the local radio station (WCSJ). The local radio station will be contacted during the first, and possibly the second, alert and notification sequence. An evaluator and 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 a second message.

Coordination between Grundy County and LaSalle County will be demonstrated.

Criterion 5.a.2: [RESERVED]

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

This criterion does not apply to Grundy County.

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

Grundy County will demonstrate this criterion by using pre-scripted messages as indicated in IPRA-LaSalle or ad hoc messages will be developed. 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 Grundy County through a briefing held at the Grundy County media briefing location. If real media are not present for the briefing, the controller and observers will serve as mock media. Evaluators will not serve as mock media.

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

**LASALLE COUNTY EXTENT OF PLAY AGREEMENT
FOR THE
LASALLE COUNTY STATION EXERCISE
April 30, 2008**

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

EVALUATION AREA 1 - EMERGENCY OPERATIONS MANAGEMENT

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

LaSalle County intends to fully activate the Emergency Operations Center (EOC) in Ottawa, Illinois. The County will implement notification procedures as defined in IPRA-LaSalle. Representatives from the EPZ municipalities, IEMA, ISP and Exelon will staff the County EOC but will not be pre-positioned in the EOC. A roster will be provided to demonstrate a 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 in the LaSalle County EOC. Coordination of decisions and emergency activities will be demonstrated between LaSalle County, SIRC, UAC and the JIC, and between the County and municipalities within the EPZ. Coordination between LaSalle County and Grundy County will be demonstrated.

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

LaSalle County will use NARS, commercial telephone, radio and telefax to communicate with departments, organizations 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.

LaSalle 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 LaSalle County EOC. The availability of dosimetry and KI will be demonstrated at the County EOC, during the traffic and access control demonstration and the school interviews. The DCO Briefing for the deputy demonstrating traffic and access control will be conducted at the LaSalle County EOC during the exercise. The DCO Briefing for the Marseilles Police Officer demonstrating traffic and access control will be conducted at the Marseilles Police Department on April 30, 3 p.m.

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 LaSalle 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 LaSalle County.

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

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

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

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

LaSalle County will demonstrate this criterion by 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 LaSalle County EOC.

This criterion will also be demonstrated during the school interviews and the traffic and access control demonstration. The DCO briefing for the Sheriff's deputy demonstrating traffic and access control will be conducted at the LaSalle County EOC. The DCO Briefing for the Marseilles Police Officer demonstrating traffic and access control will be conducted at the Marseilles Police Department on April 30, 3 p.m.

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, LaSalle 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 and access control demonstration and the school interviews. The DCO briefing for the Sheriff's deputy demonstrating traffic and access control will be conducted at the LaSalle County EOC. The DCO Briefing for the Marseilles Police Officer demonstrating

traffic and access control will be conducted at the Marseilles Police Department on April 30, 3 p.m.

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

This will be demonstrated by LaSalle 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/Cards will be available for inspection in the County EOC during the exercise. The evaluator will not be allowed to remove the list/cards from the EOC.

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

LaSalle 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.

School interviews will be conducted as follows. The District-Superintendent, a Teacher, the transportation coordinator (DCO), a bus driver and the maintenance supervisor will be present at each interview.

Grand Ridge School District	April 28, 3 p.m.
Seneca District #170	April 29, 9 a.m.
Seneca District #160	April 29, 10:30 a.m.

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

Coordination between LaSalle 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 LaSalle 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 Marseilles Police Officer will demonstrate traffic and access control via an interview conducted on April 30, 3 p.m.

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

The LaSalle 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 LaSalle 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 LaSalle 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 LaSalle 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.

LaSalle 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 LaSalle Station EPZ Prompt Notification System as defined in IPRA-LaSalle.

The Prompt Notification System (outdoor warning sirens) will not be activated during the exercise.

The ability to provide instructions to the public will be demonstrated through the simulated activation of the local radio station. The local radio station (WCMY/WRKX) 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 alert and notification sequence message. If the initial message does not contain a PAR, the evaluator and controller will stay at the radio station for a second message.

Coordination between LaSalle County and Grundy County will be demonstrated.

Criterion 5.a.2: [RESERVED]

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

This criteria does not apply to LaSalle County.

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

LaSalle County will demonstrate this criterion by using pre-scripted messages as indicated in IPRA-LaSalle. 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 LaSalle County through a briefing held at the LaSalle 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 LaSalle County through coordination between the County EOC and the JIC. The LaSalle County EOC controller will inject exercise messages which will ensure the opportunity to demonstrate this criterion. County officials will investigate and address "rumors." If appropriate, the "rumors" will be coordinated between State and County officials in the County EOC and the 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 LaSalle County.

APPENDIX 4

EXERCISE SCENARIO AND TIMELINE

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 LaSalle County Station REP Full Participation Plume Exposure Pathway Exercise that was conducted on April 30, 2008.

This exercise scenario was submitted by the State of Illinois and Exelon Nuclear and approved by DHS/FEMA Region V on April 1, 2008.

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.

NARRATIVE SUMMARY

NORMAL OPERATIONS

0755 – 0805

The Operating Crew will be briefed and assume control at approximately 0755. The exercise will start at 0800.

Alert

0805 - 0930

At 0805, A fire in Bus 133 and structural damage to Rx Bldg wall will occur. Fire-typer will alarm for RB 786.

- Bus 133 is on fire
- There is structural damage to the east wall on the 786' Elevation.
- After the Fire Brigade reports to the scene the fire can be put out

Expected Actions

The Shift Manager will declare an **ALERT** - HA6. Notifications will be performed in accordance with procedures utilizing NARS and ENS. The TSC, OSC, and EOF will be activated.

SITE AREA EMERGENCY

0935-1105

At 0935, a RMCS failure will occur with a CRD pump trip with Standby failing to start. ATWS.

Expected Actions

The Emergency Director is expected to classify a SITE AREA EMERGENCY based on Failure of RPS to complete a scram once a RPS setpoint was exceeded and manual scram was not successful.

- Enters LOA-RM-101
- Dispatches EO and IM support to AEER for RMCS issues
- Follows LOR actions for 1A CRD Pump Trip
- Attempts start of 1B CRD Pump and finds it will not start
- Manually scrams the reactor. Discovers ATWS.
- Performs scram hard card actions (ARI and SBLC will not work)
- Stabilizes reactor pressure and lowers RWL IAW LGA-010
- Performs Method 4 of LGA-NB-01. Method 3 not available do to no CRD Pumps
- Re-Scrams and all but 5 Rods insert. Some rods go in very slowly and tip paths are crossed leading to fuel failure.
- Attempts to insert IRM Range D per LOA-NR-101 which failed to insert.

The Station should initiate an Assembly (simulated). Following completion of the Assembly / Accountability, the TSC may initiate a relocation of non-essential personnel (simulated).

GENERAL EMERGENCY

1105 - 1105

FG1 - Steam Break in the Tunnel. Previous Fuel failure will cause Drywell Radiation to build up slowly to the 190 RIhr limit. The Steam Break is timed so that it will occur before the fuel barrier is lost.

- Loss of RCS-RC-4; Unisolable Steam Line Break and Report of Main Steam in Raceway
- Loss of Fuel-FC-5; Drywell Radiation above 190 RIhr.
- Loss of Containment-CT-6.1; Failure of both automatic isolation valves in one line to close and downstream path to the environment exists. (6.3 will be reached later due to steam tunnel temps greater than max safe.

Expected Actions

The Emergency Director is expected to classify a GENERAL EMERGENCY - FG-1 (Loss of Three Fission Product Barriers [loss of containment: CT.6.1; loss of RCS: RC.4 and loss of fuel clad: FC.5. Maximum PARs should be determined to be appropriate. State and NRC notifications will be completed via NARS and ENS (simulated), respectively. The operating crews will blowdown the RPV, and then restore the RPV level. The blowdown will be restricted by the number of operable SRVs available.

- Monitors Reactor level and pressure picks up rapid level increase with containment parameters
- Control secondary containment by operation of ventilation systems
- Monitors Containment and MSL Radiation levels
- Directs actions per LGA-002
- Use alternate sources of injection
- Monitors release and prepares to enter LGA-009 if entry criteria is met

Release: Yes - RCS to Main Steam to Main Steam Tunnel Room to Rx Building to SBGT to Atmosphere. Unfiltered due to SBGT filter Failed.

WGRM rises immediately and reaches a peak release rate of 2.5 E 6. PAGES exceeded at approx 5.5 miles.

Wind - 320 deg - 5 mph Class D

CONCURRENT EAL

113

Concurrent RG1 when release rate peaks

CHANGE IN PARs

1210

At approx 1210 the wind will shift so that it is from the North, requiring a change in PARs.

Expected Actions

Dose Assessment will recognize that there is a need to revise PARs to add subarea 4 to the previously identified subareas.

EXERCISE TERMINATION

1305

This LaSalle NRC Graded Exercise will terminate at approximately 1305. All facilities will terminate exercise participation and conduct self-assessments of their performance.

OFFSITE EXERCISE TIMELINE
April 30, 2008

<u>Approx. Time</u>	<u>Event/Anticipated Response</u>
0800	Initial conditions/weather forecast message to players.
0805	An Alert is declared at LaSalle Station.
0820	Exelon notifies the IEMA Telecommunicator of the ALERT via NARS. IEMA Telecommunicator verifies the NARS message. An IEMA Duty Officer contacts the LaSalle 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. IEMA Telecommunicator notifies appropriate State agencies of the ALERT. IEMA notifies FEMA of the ALERT.
0835	IEMA Telecommunicator notifies EPZ counties of the ALERT via NARS. County telecommunicators complete and verify the NARS message. County telecommunicators notify county officials and municipalities of the ALERT per SOP. Municipal telecommunicators complete and verify the NARS message. 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 LaSalle Station.

0950

Exelon notifies the IEMA Telecommunicator of the SITE AREA EMERGENCY via NARS.

IEMA Telecommunicator verifies the NARS message.

REAC contacts the LaSalle Station Shift Engineer.

SIRC is activated if not previously activated.

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

State dispatches liaisons to the County EOCs, UAC, RAFT, JIC, TSC and EOF, if not previously dispatched.

SIRC notifies FEMA of conditions. (Simulated)

IEMA notifies State agencies

- 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

REAC contacts Federal agencies. (Simulated)

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

REAC provides an update to the JIC.

1005

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

County telecommunicators complete and verify the NARS message.

Approx.
Time

Event/Anticipated Response

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

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

Municipal telecommunicators complete and verify the NARS message.

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.

1105 A GENERAL EMERGENCY is declared at LaSalle 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 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 EPZ counties of the GENERAL EMERGENCY and the recommended protective actions via NARS.

County telecommunicators complete and verify the NARS message.

County telecommunicators notify county officials and municipalities per SOP.

Approx.
Time

Event/Anticipated Response

Counties implement public notification procedures and traffic and access control per SOPs, as applicable.

Municipal telecommunicators complete and verify and the NARS message.

Municipal telecommunicators notify EOC staff.

1205 The GENERAL EMERGENCY continues at LaSalle Station. A wind shift has occurred.

1220 Exelon notifies the IEMA Telecommunicator of the wind shift via NARS. Additional 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 FEMA of conditions. (Simulated)

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

REAC provides an update to the JIC.

1235 SIRC notifies EPZ counties of the wind shift and the recommended protective actions via NARS.

County telecommunicators complete and verify the NARS message.

County telecommunicators advise county officials and municipalities per SOP.

Counties implement public notification procedures and traffic and access control per SOPs, as applicable.

Municipal telecommunicators complete and verify and the NARS message.

Approx.
Time

Event/Anticipated Response

Municipal telecommunicators advise EOC staff.

1300

Terminate exercise play.