

Final After Action Report/ Improvement Plan

Exercise Date – August 7, 2018

Radiological Emergency Preparedness (REP) Program



LaSalle County Station



FEMA

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Radiological Emergency Preparedness (REP) Program

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EXECUTIVE SUMMARY

On August 7, 2018, the Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA) Region V Radiological Emergency Preparedness Program staff evaluated a Full Participation Plume Exposure Pathway and Relocation, Reentry, and Return Exercise in the Emergency Planning Zone (EPZ) for the LaSalle County Station (LCS). The purpose of the exercise was to assess the level of state and local preparedness in responding to an incident at LCS. This exercise was conducted in accordance with FEMA's policies and guidance concerning the exercise of State and local radiological emergency response plans and procedures. The previous federally-evaluated exercise at this site was conducted on July 20, 2016. The qualifying emergency preparedness exercise was conducted on December 4, 1980.

The LCS is located on a 3,060-acre site in Brookfield Township, four miles west of the LaSalle and Grundy County line. The 10-mile Plume Exposure Pathway EPZ of the LCS encompasses parts of both LaSalle and Grundy Counties.

Officials and representatives from the State of Illinois and the risk county of LaSalle, and the licensee participated in this exercise. State and local officials demonstrated knowledge of their emergency response plans and procedures and successfully implemented them. FEMA identified no Level 1 Findings, two Level 2 Findings, one for the State of Illinois and one for LaSalle County, which were both successfully re-demonstrated. There were no Plan issues for the State of Illinois and two Plan issues for LaSalle County, which remain open.

The Federal Emergency Management Agency wishes to acknowledge the efforts of the many individuals who participated in the exercise and made it a success. Approximately 527 individuals participated in the off-site portion of the exercise, of which about one-third were local volunteers. The professionalism and teamwork of the participants was evident throughout all phases of the exercise.

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SECTION 1: Exercise Overview

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

- Taking the lead in offsite emergency planning and in the review and evaluation of Radiological Emergency Response Plans (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 December 7, 2015 (Federal Register, Vol. 82, No. 88, May 9, 2017); 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 Region V Regional Assistance Committee (RAC), which is chaired by DHS/FEMA.

A REP Full Participation Plume Exposure Pathway and Relocation, Reentry, Return (RRR) Exercise was conducted on August 7, 2018, and evaluated by DHS/FEMA to assess the capabilities of State and local offsite emergency preparedness organizations in implementing their RERPs and procedures to protect the public's 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 Off-Site 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 Chair, and approved by the DHS/FEMA Headquarters.

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

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980; and
- FEMA P-1028 REP Program Manual, dated January 2016.

1.1 EXERCISE DETAILS

EXERCISE NAME

2018 LaSalle County Station Radiological Emergency Preparedness (REP), Full Participation, Plume Exposure Pathway and RRR Exercise

TYPE OF EXERCISE

Plume Exposure Pathway

EXERCISE DATE

August 7, 2018

LOCATIONS

See Appendices C and E for a complete list of locations.

SPONSORS

Illinois Emergency Management Agency
2200 South Dirksen Parkway
Springfield, IL 62703

Exelon – LaSalle County Station
2601 North 21st Road
Marseilles, IL 61341

PROGRAM

Department Of Homeland Security/Federal Emergency Management Agency Radiological Emergency Preparedness Program

MISSION

Response

SCENARIO TYPE

Radiological Emergency

1.2 EXERCISE PLANNING TEAM LEADERSHIP

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1.3 PARTICIPATING ORGANIZATIONS

Agencies and organizations of the following jurisdictions participated in the exercise:

STATE ORGANIZATIONS

- Illinois Department of Central Management Services
- Illinois Department of Agriculture
- Illinois Department of Corrections
- Illinois Department of Human Services
- Illinois Department of Natural Resources
- Illinois Department of Public Health
- Illinois Department of Transportation
- Illinois Emergency Management Agency
- Illinois Emergency Services Management Association
- Illinois Environmental Protection Agency
- Illinois Law Enforcement Agency System
- Illinois Mutual Aid Box Alarm System
- Illinois National Guard
- Illinois Public Works
- Illinois State Police
- Office of the State Fire Marshal
- Radiological Emergency Assistance Center
- State of Illinois Radiological Response Group
- State of Illinois Unified Area Command

RISK COUNTY ORGANIZATIONS

- Allen-Otter Creek Community Consolidated School District #65 (Ransom Grade School)
- Bruce Harris & Associates (Geographic Information System)
- City of Ottawa
- LaSalle County Animal Response Team Liaison
- LaSalle County Board Chairman
- LaSalle County Dosimetry Control Officer
- LaSalle County Emergency Management Agency
- LaSalle County Health Department
- LaSalle County Highway Department
- LaSalle County Information Technology
- LaSalle County Radio Amateur Civil Emergency Service
- LaSalle County Sheriff's Department
- Mutual Aid Box Alarm System Division 25
- Ottawa Elementary School District #141
- Ottawa Fire Department
- Ottawa Police Department
- Regional Office of Education #35

SUPPORT COUNTY ORGANIZATIONS

- City of Streator - Observer
- DeWitt County Emergency Management Agency - Observer
- Dixon Rural Fire Protection District - Observer
- Indiana Emergency Management Agency - Observer
- Piatt County Emergency Management Agency - Observer
- Putnam County Emergency Management Agency
- Rock Island County Emergency Management Agency - Observer
- Tazewell County Emergency Management Agency

PRIVATE ORGANIZATIONS

- American Red Cross
- Exelon
- OSF Saint Elizabeth Medical Center

FEDERAL ORGANIZATIONS

- Federal Emergency Management Agency
- National Weather Service - Observer
- Nuclear Regulatory Commission

SECTION 2: Exercise Design Summary

2.1 EXERCISE PURPOSE AND DESIGN

The Federal Emergency Management Agency (FEMA) administers the Radiological Emergency Preparedness (REP) Program pursuant to the regulations found in Title 44 Code of Federal Regulation (CFR) parts 350, 351, and 352. Title 44 CFR Part 350 names sixteen planning standards that form the basis for radiological emergency response planning for state, tribal, and local governments impacted by the EPZs established for each nuclear power plant site in the United States. Title 44 CFR Part 350 sets forth the mechanisms for the formal review and approval of state, tribal, and local government radiological emergency response plans and procedures by FEMA. One of the REP Program requirements established by these regulations is the biennial exercise of offsite response capabilities. During these exercises, FEMA evaluates state, tribal, and local government plans, procedures, and actions to protect the health and safety of the public in the event of a radiological emergency at the nuclear plant.

FEMA provides a statement with the transmission of this Final AAR/IP to the United States NRC that the affected state, tribal, and local plans and preparedness are: (1) adequate to protect the health and safety of the public living in the vicinity of the nuclear power facility by providing reasonable assurance that appropriate protective measures can be taken offsite in the event of a radiological emergency; and (2) capable of being implemented. The report and statement are based on the results of this exercise, review of the radiological emergency response plans and procedures, and verification of the periodic requirements set forth in *"Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980* (NUREG-0654/FEMA-REP-1, Rev. 1) through the annual letter of certification and staff assistance visits,

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

2.2 FEMA CORE CAPABILITIES AND EXERCISE OBJECTIVES

Core Capabilities-based planning allows for exercise planning teams to develop exercise objectives and observe exercise outcomes through a framework of specific action items. Using the Homeland Security Exercise and Evaluation Program methodology, the exercise objectives meet the Radiological Emergency Preparedness Program requirements and encompass the emergency preparedness evaluation areas. The critical tasks to be demonstrated were negotiated with the State of Ohio and Columbiana County. The Core Capabilities demonstrated during this exercise were:

Operational Coordination: Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of Core Capabilities. Mobilize all critical resources and establish command, control, and coordination structures within the affected community, in other coordinating bodies in surrounding communities, and across the Nation, and maintain as needed throughout the duration of an incident. Enhance and maintain command, control, and coordination structures consistent with the National Incident Management System (NIMS) to meet basic human needs, stabilize the incident, and transition to recovery.

Situational Assessment: Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response. Deliver information sufficient to inform decision making regarding immediate lifesaving and life-sustaining activities, and engage governmental, private, and civic sector resources within and outside of the affected area to meet basic human needs and stabilize the incident. Deliver enhanced information to reinforce ongoing lifesaving and life-sustaining activities, and engage governmental, private, and civic sector resources within and outside of the affected area to meet basic human needs, stabilize the incident, and transition to recovery.

Public Information and Warning: Deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard and, as appropriate, the actions being taken and the assistance being made available. Inform all affected segments of society of critical lifesaving and life-sustaining information by all means necessary, including accessible tools, to expedite the delivery of emergency services and aid the public to take protective actions. Deliver credible and actionable messages to inform ongoing emergency services and the public about protective measures and other life-sustaining actions, and facilitate the transition to recovery.

Environmental Response/Health and Safety: Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities. Identify, assess, and mitigate worker health and safety hazards, and disseminate health and safety guidance and resources to response and recovery workers. Minimize public exposure to environmental hazards through assessment of the hazards and implementation of public protective actions. Detect, assess, stabilize, and clean up releases of oil and hazardous materials into the environment, including buildings/structures, and properly manage waste. Identify, evaluate, and implement measures to prevent and minimize impacts to the environment, natural and cultural resources, and historic properties from all-hazard emergencies and response operations.

On-Scene Security, Protection, and Law Enforcement: Ensure a safe and secure environment through law enforcement and related security and protection operations for people and communities located within affected areas and also for response personnel engaged in lifesaving and life-sustaining operations. Establish a safe and secure environment in an affected area. Provide and maintain on-scene security and meet the protection needs of the affected population over a geographically dispersed area while eliminating or mitigating the risk of further damage to persons, property, and the environment.

Critical Transportation: Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals, and the delivery of vital response personnel, equipment, and services into the affected areas. Establish physical access through appropriate transportation corridors and deliver required resources to save lives and to meet the needs of disaster survivors. Ensure basic human needs are met, stabilize the incident, transition into recovery for an affected area, and restore basic services and community functionality. Clear debris from any route type (i.e., road, rail, airfield, port facility, waterway) to facilitate response operations.

Mass Care Services: Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies. Move and deliver resources and capabilities to meet the needs of disaster survivors, including individuals with access and functional needs. Establish, staff, and equip emergency shelters and other temporary housing options (including accessible housing) for the affected population. Move from

congregate care to non-congregate care alternatives and provide relocation assistance or interim housing solutions for families unable to return to their pre-disaster homes.

Public Health, Healthcare, and Emergency Medical Services: Provide lifesaving medical treatment via Emergency Medical Services and related operations and avoid additional disease and injury by providing targeted public health, medical and behavioral health support, and products to all affected populations. Deliver medical countermeasures to exposed populations. Complete triage and initial stabilization of casualties, and begin definitive care for those likely to survive their injuries and illnesses. Return medical surge resources to pre-incident levels, complete health assessments, and identify recovery processes.

Operational Communications: Ensure the capacity for timely communications in support of security, situational awareness, and operations, by any and all means available, among and between affected communities in the impact area and all response forces. Ensure the capacity to communicate with both the emergency response community and the affected populations and establish interoperable voice and data communications between Federal, tribal, state, and local first responders.

Infrastructure Systems: Stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize systems and services to support a viable, resilient community. Re-establish critical infrastructure within the affected areas to support ongoing emergency response operations, life sustainment, community functionality, and a transition to recovery. Provide for the clearance, removal, and disposal of debris. This core capability includes the capability to address roadway impediments due to landslides and other events that impair/impede safe evacuation of the public.

The Core Capabilities and their associated Evaluation Criteria selected for demonstration by the jurisdictions establish the assessment objectives for the exercise. These Core Capabilities, when successfully demonstrated, meet the exercise objectives.

The objectives for this exercise were as follows:

Objective 1: Demonstrate the ability to provide direction and control and make protective action decisions through the state emergency operations centers, county emergency operations centers, and field activities by exercise play and discussion of plans and procedures.

Objective 2: Demonstrate the ability to make protective action decisions affecting state and county emergency workers and the public through exercise play and discussion of plans and procedures.

Objective 3: Demonstrate the ability to implement protective actions for state and county emergency workers and the public through exercise play and discussion of plans and procedures.

Objective 4: Demonstrate the ability to activate the prompt alert and notification system utilizing the primary notification system and the emergency alert system through exercise play and discussion of plans and procedures.

Objective 5: Demonstrate the effectiveness of plans, policies, and procedures in the joint information centers and the joint information system for public and private sector emergency information communications through exercise play and discussion of plans and procedures.

Objective 6: Demonstrate the ability to monitor, decontaminate, register, and shelter evacuees through exercise play and discussion of plans and procedures.

Objective 7: Demonstrate the ability to provide dose projection and protective action decision making for the plume phase.

Objective 8: Demonstrate the capacity for timely communications in support of security, situational awareness, and operations in accordance with the plan, procedures, and Extent-of-Play Agreement, among and between affected communities in the impact area and all response forces.

Objective 9: Demonstrate the capacity to stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize systems and services to support a viable, resilient community. Demonstrate the capacity to provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals, and the delivery of vital response personnel, equipment, and services into the affected areas.

Collectively, these nine Objectives successfully demonstrated the Core Capabilities and Evaluation Criteria selected by the jurisdictions in accordance with NUREG-0654/FEM-REP-1 and the REP Program Manual (FEMA P-1028, dated January 2016).

SECTION 3: Analysis of Capabilities

3.1 SUMMARY RESULTS OF EXERCISE EVALUATION

This section provides a combined assessment of state and local jurisdictions based upon their collective demonstrated performance under the core capabilities associated with the exercise evaluation criteria described in Appendix E Extent-of-Play Agreements. It employs an integration of the Homeland Security Exercise Evaluation Program and REP Program evaluation methodologies – an analytical process used to assess the demonstration of specific capabilities during an exercise. A capability provides a means to perform one or more critical tasks under specified conditions and to specific performance standards. Core capabilities form the foundation of the National Preparedness System. The REP Program evaluation criteria provide the conditions and performance standards for establishing reasonable assurance that State and Local authorities can protect public health and safety in response to a nuclear power plant accident.

An overall summary of demonstrated capabilities is presented in Section 3.2, Tables 3.2.1 through 3.2.4, of this report. The organizations, locations, and evaluation criteria selected by the State of Illinois and LaSalle County are described in Appendix E, Extent-of-Play Agreements, which were approved by DHS/FEMA on July 10, 2018.

The results of the assessment are summarized below by Core Capability, as demonstrated during the August 7, 2018, LCS REP Full Participation Plume Exposure Pathway and RRR Exercise.

Operational Coordination: Key leadership personnel established and maintained a unified and coordinated operational structure which provided effective and responsive command, direction and control and coordination within and between the affected jurisdictions to meet basic human needs and stabilize the incident.

Critical stakeholders were appropriately integrated within the overall decision-making process, which enabled protective action recommendations to be evaluated in an appropriate and timely manner. This process included input from both relevant critical stakeholders and support personnel and took into account the safety and well-being of emergency workers and the general public and protecting property and infrastructure protective action decisions were made without undue delay.

Situational Assessment: Decision makers were provided with decision-relevant information regarding the nature and extent of the simulated radiological and other hazards, any cascading effects, and the status of the response. The Illinois Emergency Management Agency and Radiological Emergency Assessment Center demonstrated proficiency in the use of dose assessment software to calculate dose projections independent of the LaSalle County Station's dose projections. The staff calculated hypothetical dose projections based on plant conditions, possible release scenarios, and Controller-injected field monitoring team data. Leadership was prepared to gather and deliver enhanced information to reinforce lifesaving and life-sustaining activities, if needed, and engage governmental and private sector resources within and outside of the affected area to meet basic human needs and stabilize the incident, as necessary.

Public Information and Warning: The jurisdictions as a whole demonstrated the ability to deliver coordinated, prompt, reliable and actionable information to the whole community through the use of clear, consistent and accessible means. Accurate initial information and follow-up on instructions were made with the formulation of news releases being reviewed from the Joint Information System and briefings conducted at the Exelon Joint Public Information Center and at the LaSalle County EMA. Alert and notification of the public and media was completed in a timely manner by simulated means of

sounding of sirens, Emergency Alert System messaging, warning in state parks, news releases and media briefings. The simulated release of information via the aforementioned public information modes were consistent with protective action decisions and contained applicable and specific instructions relative to those decisions.

Environmental Response/Health and Safety: Appropriate measures were taken to ensure the protection of the health and safety of the public and workers, as well as the environment in support of responder operations and the affected communities. The availability of guidance and resources to address hazardous radiological materials was integrated in support of responder operations and the affected communities. State Liaisons at the LaSalle County Emergency Operations Center communicated well with the State Emergency Operations Center and Unified Area Command to ensure that state protective action recommendations and county protective action decisions and responses were coordinated properly. Leadership identified, assessed, and mitigated worker health and safety hazards and disseminated health and safety guidance and resources to responders in accordance with the scenario, plans and procedures, and the extent-of-play agreements.

On-Scene Security and Protection: State and local law enforcement agencies demonstrated the capability to ensure a safe and secure environment through law enforcement and related security and protection operations for people and communities located within affected areas and also for response personnel who could have been directed to engage in lifesaving and life-sustaining operations. The implementation of traffic and access control was appropriately assessed and coordinated in a timely manner. On-scene security at EOCs, schools, reception centers and other facilities met protection requirements and eliminated or mitigated the risk of damage to persons, property, and the environment.

Critical Transportation: Officials demonstrated the capability to provide infrastructure access and accessible transportation services for response priority objectives, including the evacuation of people and animals and the delivery of vital response personnel, equipment, and services into the affected areas. School officials effectively demonstrated the ability to implement protective actions for affected local schools.

Mass Care Services: This was demonstrated previously by reception center/congregate care centers at Joliet Junior College, Illinois Valley Community College, and Pontiac Township High School. Congregate care center staff demonstrated the ability to provide life-sustaining services to affected populations with a focus on family reunification, feeding and sheltering. The American Red Cross, which manages all shelter operations under the REP Program, demonstrated the ability to provide resources, services and accommodations consistent with planning guidelines. They also demonstrated knowledge of the process, and to determine whether evacuees had been monitored for contamination and determined to be acceptable before entering congregate care facilities.

Public Health, Healthcare, and Medical Services: Not Selected – Qualified medical personnel at OSF Saint Elizabeth successfully demonstrate the ability to provide targeted public health, medical, and behavioral health support and products to populations that might enter shelters and deliver medical countermeasures to exposed populations.

Operational Communications: Evaluation Criterion 1d1, which is the key criterion for this capability, was evaluated for applicable organizations and functional entities. Each applicable organization and location demonstrated the capacity for timely communications in support of security, situational awareness, and operations by primary and backup means, the ability to communicate with both the emergency response community and the affected populations, and to establish interoperable communications between Federal, state, and local all response groups and locations and between affected communities in the impact area.

Infrastructure Systems: Evaluation Criterion 3d2, which is the key criterion for this capability, was assessed pursuant to Columbiana County's capability to address impediments to mass evacuation. Columbiana County demonstrated the capability to address roadway impediments due to landslides and other events that impair/impede safe evacuation of the public.

3.2 EXERCISE EVALUATION AND RESULTS

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the August 7, 2018 Full Participation Plume Exposure Pathway and RRR Exercise and out-of-sequence interviews and demonstrations.

Each jurisdiction and functional entity was evaluated based on their demonstration of Core Capabilities and their equivalent Radiological Emergency Preparedness Evaluation Criteria, as delineated in the Federal Emergency Management Agency Radiological Emergency Preparedness Program Manual dated January 2016. Exercise criteria are listed by number, and the demonstration status of those criteria are indicated by the use of the following terms:

- M: Met (no unresolved Level 1 or Level 2 findings were assessed, and there were no unresolved findings from prior exercises)
- Level 1 Finding was assessed
- Level 2 Finding was assessed or an unresolved Level 2 finding(s) from a prior exercise
- P: Plan Issue was assessed
- ND: Not Demonstrated
- NS: Not Selected (the Criterion was not selected for demonstration)

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Table 3.2.1 – Summary of Exercise Evaluation – State of Illinois

DATE: August 7, 2018 SITE: LaSalle County Station M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue ND: Not Demonstrated NS: Not Selected	CRITERION	SEOC - Initial Warning Point	SEOC	SEOC - REAC	SEOC - JIC	SEOC- Public Inquiry Phone Bank	Exelon Nuclear HQ - EOF JIC Liaison	Exelon Nuclear HQ - EOF Liaison	Dwight Correctional Center - RRG-1	Dwight Correctional Center - RRG-2	Dwight Correctional Center - Mobile Lab	Putnam County EOC - UAC	LaSalle County EOC - State RAD Advisor	LaSalle County EOC - IEMA Liaison
Emergency Operations Management														
Mobilization	1a1	M	M	M	M				M	M	M	M		
Facilities	1b1						M							
Direction and Control	1c1		M	M	M							M		M
Communications Equipment	1d1	M	M	M	M	M	M		M	M	M	M		
Equipment and Supplies to Support Operations	1e1		M		M				M	M	M	M		
Protective Action Decision-Making														
EW Exposure Control Decisions	2a1			M										
PARs	2b1		M	M									M	
PADs	2b2		M	M								M	M	
PADs for Disabled/Functional Needs	2c1		M	M										
Ingestion PADs	2d1													
RRR Decisions	2e1													
Protective Action Implementation														
EW Exposure Control Implementation	3a1								M	M	M	M	M	
KI Public/Institutionalized	3b1													
PAD Implementation Disabled/Functional Needs	3c1													
PAD Implementation Schools	3c2													
TACP Establishment	3d1											M		
Impediments	3d2											L2	M	
Implement Ingestion PADs	3e1													
Ingestion Pathway Decisions	3e2													
Implementation of RRR Decisions	3f1													
Field Measurement and Analysis														
RESERVED	4a1													
Field Team Management	4a2								M	M				
Field Team Operations	4a3								M	M				
Field Team Sampling	4b1													
Laboratory Operations	4c1										M			
Emergency Notification and Public Info														
Initial Alert & Notification	5a1												M	M
RESERVED	5a2													
Backup Alert & Notification	5a3													
Exception Area Alerting	5a4													
Subsequent Information & Instructions	5b1		M	M	M	M	M	M						M
Support Operations and Facilities														
Reception Center Operations	6a1													
EW Monitoring & Decontamination	6b1													
Congregate Care	6c1													
Contaminated Injured Transport & Care	6d1													

**Table 3.2.2 – Summary of Exercise Evaluation – State of Illinois –
Out-of-Sequence Activities**

DATE: August 7, 2018 SITE: LaSalle County Station M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue ND: Not Demonstrated NS: Not Selected	CRITERION	ISP District 17 TACP - DCO Briefing	ISP District 17 TACP	OSF Saint Elizabeth Medical Center Facility	OSF Saint Elizabeth Medical Center Transportation
Emergency Operations Management					
Mobilization	1a1				
Facilities	1b1				
Direction and Control	1c1				
Communications Equipment	1d1	M	M		
Equipment and Supplies to Support Operations	1e1	M	M	M	M
Protective Action Decision-Making					
EW Exposure Control Decisions	2a1				
PARs	2b1				
PADs	2b2				
PADs for Disabled/Functional Needs	2c1				
Ingestion PADs	2d1				
RRR Decisions	2e1				
Protective Action Implementation					
EW Exposure Control Implementation	3a1	M	M	M	M
KI Public/Institutionalized	3b1				
PAD Implementation Disabled/Functional Needs	3c1				
PAD Implementation Schools	3c2				
TACP Establishment	3d1		M		
Impediments	3d2				
Implement Ingestion PADs	3e1				
Ingestion Pathway Decisions	3e2				
Implementation of RRR Decisions	3f1				
Field Measurement and Analysis					
RESERVED	4a1				
Field Team Management	4a2				
Field Team Operations	4a3				
Field Team Sampling	4b1				
Laboratory Operations	4c1				
Emergency Notification and Public Info					
Initial Alert & Notification	5a1				
RESERVED	5a2				
Backup Alert & Notification	5a3				
Exception Area Alerting	5a4				
Subsequent Information & Instructions	5b1				
Support Operations and Facilities					
Reception Center Operations	6a1				
EW Monitoring & Decontamination	6b1				
Congregate Care	6c1				
Contaminated Injured Transport & Care	6d1			M	M

**Table 3.2.3 – Summary of Exercise Evaluation – LaSalle County –
In-Sequence Activities**

DATE: August 7, 2018 SITE: LaSalle County Station M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue ND: Not Demonstrated NS: Not Selected	CRITERION	LCS D - Initial Warning Point	LaSalle County EOC	LaSalle County EOC - LCS D.-DCO Briefing	LaSalle County EOC – LCS D - TACP	Radio Station WCMY/WRKX	Relocation, Reentry, Return
Emergency Operations Management							
Mobilization	1a1	M	P				
Facilities	1b1						
Direction and Control	1c1		M				
Communications Equipment	1d1	M	M	M	M	M	
Equipment and Supplies to Support Operations	1e1		M	M	M		
Protective Action Decision-Making							
EW Exposure Control Decisions	2a1						
PARs	2b1						
PADs	2b2		M				
PADs for Disabled/Functional Needs	2c1		M				
Ingestion PADs	2d1						
RRR Decisions	2e1						M
Protective Action Implementation							
EW Exposure Control Implementation	3a1		M	M	M		
KI Public/Institutionalized	3b1		M				
PAD Implementation Disabled/Functional Needs	3c1		M				
PAD Implementation Schools	3c2		M				
TACP Establishment	3d1		M		M		
Impediments	3d2		L2				
Implement Ingestion PADs	3e1						
Ingestion Pathway Decisions	3e2						
Implementation of RRR Decisions	3f1						M
Field Measurement and Analysis							
RESERVED	4a1						
Field Team Management	4a2						
Field Team Operations	4a3						
Field Team Sampling	4b1						
Laboratory Operations	4c1						
Emergency Notification and Public Info							
Initial Alert & Notification	5a1		M			M	
RESERVED	5a2						
Backup Alert & Notification	5a3						
Exception Area Alerting	5a4						
Subsequent Information & Instructions	5b1		P				
Support Operations and Facilities							
Reception Center Operations	6a1						
EW Monitoring & Decontamination	6b1						
Congregate Care	6c1						
Contaminated Injured Transport & Care	6d1						

**Table 3.2.4 - Summary of Exercise Evaluation –LaSalle County –
Out-of-Sequence Activities**

DATE: August 7, 2018 SITE: LaSalle County Station M: Met L1: Level 1 Finding L2: Level 2 Finding P: Plan Issue ND: Not Demonstrated NS: Not Selected	CRITERION	LaSalle County EOC - IPAWS Route Alert	OPD - TACP - Dosimetry Briefing	OPD - TACP	Allen-Otter Creek CCSD #65 (Ransom Grade School) - Evacuation School	Ottawa Elementary SD #141 - Evacuation School Interview
Emergency Operations Management						
Mobilization	1a1					
Facilities	1b1					
Direction and Control	1c1					
Communications Equipment	1d1		M	M	M	M
Equipment and Supplies to Support Operations	1e1		M	M	M	M
Protective Action Decision-Making						
EW Exposure Control Decisions	2a1					
PARs	2b1					
PADs	2b2					
PADs for Disabled/Functional Needs	2c1					
Ingestion PADs	2d1					
RRR Decisions	2e1					
Protective Action Implementation						
EW Exposure Control Implementation	3a1		M	M	M	M
KI Public/Institutionalized	3b1					
PAD Implementation Disabled/Functional Needs	3c1					
PAD Implementation Schools	3c2				M	M
TACP Establishment	3d1			M		
Impediments	3d2					
Implement Ingestion PADs	3e1					
Ingestion Pathway Decisions	3e2					
Implementation of RRR Decisions	3f1					
Field Measurement and Analysis						
RESERVED	4a1					
Field Team Management	4a2					
Field Team Operations	4a3					
Field Team Sampling	4b1					
Laboratory Operations	4c1					
Emergency Notification and Public Info						
Initial Alert & Notification	5a1					
RESERVED	5a2					
Backup Alert & Notification	5a3	M				
Exception Area Alerting	5a4					
Subsequent Information & Instructions	5b1					
Support Operations and Facilities						
Reception Center Operations	6a1					
EW Monitoring & Decontamination	6b1					
Congregate Care	6c1					
Contaminated Injured Transport & Care	6d1					

3.3 JURISDICTIONAL SUMMARY OF EXERCISE EVALUATION RESULTS

The following sections present a summary of the exercise pursuant to the Evaluation Criteria and Core Capabilities demonstrated at each jurisdiction's response locations. The sections are organized by Jurisdiction, Location, Evaluation Criterion, and Assessed Core Capability, as discussed in the Appendix E Extent-of-Play Agreements. The results of the assessments are summarized in Tables 3.2.1, 3.2.2, 3.2.3, and 3.2.4.

3.3.1 State of Illinois

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for the State of Illinois is as follows:

- a. MET: All Core Capabilities and Evaluation Criteria identified in the DHS/FEMA-approved extent-of-play agreement.

3.3.1.1 SEOC – Initial Notification Point

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.d.1 – Core Capability: Operational Communications

3.3.1.2 SEOC

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.b.1 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.3 SEOC - Radiological Emergency Assessment Center

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

Criterion 2.b.1 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.b.1 – Core Capability: Operational Coordination

Core Capability: Public Information and Warning

Core Capability: Environmental Response/Health and Safety

Core Capability: Public and Private Services and Resources

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.4 SEOC - Joint Information Center

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

3.3.1.5 SEOC - Public Inquiry Phone Bank

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operational Communications

3.3.1.6 Exelon Nuclear HQ - Emergency Operations Facility JIC Liaison

Criterion 2.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Core Capability: Situational Assessment

3.3.1.7 Exelon Nuclear HQ - Emergency Operations Facility Liaison

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.8 Dwight Correctional Center - Radiological Response Group-1

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.9 Dwight Correctional Center - Radiological Response Group-2

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

3.3.1.10 Dwight Correctional Center - State Mobile Lab

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 2.b.1 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

3.3.1.11 Putnam County EOC - Unified Area Command

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.1 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: On-Scene Security and Protection

Criterion 3.d.2 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Infrastructure Systems

3.3.1.12 LaSalle County EOC - State Radiological Advisor

Criterion 2.b.1 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.2 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Infrastructure Systems

Criterion 5.a.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.13 LaSalle County EOC - Illinois Emergency Management Agency Liaison

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 5.a.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

Criterion 5.b.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.1.14 Illinois State Police District 17 - Traffic and Access Control Point/Dosimetry Control Officer Briefing

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

3.3.1.15 Illinois State Police District 17 - Traffic and Access Control Point

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.1 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

3.3.1.16 OSF Saint Elizabeth Medical Center Facility

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Core Capability: Mass Care Services

Core Capability: Critical Transportation

3.3.1.16 OSF Saint Elizabeth Medical Center Transportation

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 6.d.1 – Core Capability: Mass Care Services

Core Capability: Critical Transportation

- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: 34-18-3d2-L2-2
- d. PLAN ISSUES: NONE
- e. PRIOR ISSUES – RESOLVED: NONE
- f. PRIOR ISSUES – UNRESOLVED: NONE

3.3.2 Risk Jurisdiction – LaSalle County

In summary, the status of DHS/FEMA-evaluated core capabilities and criteria for the LaSalle County is as follows:

- a. MET: All Core Capabilities and Evaluation Criteria identified in the DHS/FEMA-approved extent-of-play agreement.

3.3.2.1 LaSalle County Sheriff's Office – Initial Notification Point

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.d.1 – Core Capability: Operational Communications

3.3.2.2 LaSalle County – Emergency Operations Center

Criterion 1.a.1 – Core Capability: Operational Communications

Criterion 1.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 2.b.2 – Core Capability: Operational Coordination

Core Capability: Intelligence and Information Sharing

Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 2.c.1 – Core Capability: Operational Coordination

Core Capability: Operational Communications

Core Capability: Situational Assessment

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.b.1 – Core Capability: Critical Transportation

Criterion 3.c.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Critical Transportation

- Core Capability: Environmental Response/Health and Safety
- Criterion 3.c.2 – Core Capability: Operational Coordination
 - Core Capability: Critical Transportation
 - Core Capability: Environmental Response/Health and Safety
- Criterion 3.d.1 – Core Capability: Operational Coordination
 - Core Capability: Critical Transportation
 - Core Capability: On-Scene Security and Protection
- Criterion 3.d.2 – Core Capability: Operational Coordination
 - Core Capability: Critical Transportation
 - Core Capability: Infrastructure Systems
- Criterion 5.a.1 – Core Capability: Public Information and Warning
 - Core Capability: Operational Coordination
 - Core Capability: Operation Communications
- Criterion 5.b.1 – Core Capability: Public Information and Warning
 - Core Capability: Operational Coordination
 - Core Capability: Operation Communications
- 3.3.2.3 LaSalle County EOC – LaSalle County Sheriff’s – DCO Briefing
 - Criterion 1.d.1 – Core Capability: Operational Communications
 - Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety
 - Core Capability: Mass Care Services
 - Core Capability: Public and Private Services and Resources
 - Core Capability: Public Health and Medical Services
 - Criterion 3.a.1 – Core Capability: Operational Coordination
 - Core Capability: Environmental Response/Health and Safety
- 3.3.2.4 LaSalle County EOC – LaSalle County Sheriff’s Office – Traffic and Access Control Post
 - Criterion 1.d.1 – Core Capability: Operational Communications
 - Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety
 - Core Capability: Mass Care Services
 - Core Capability: Public and Private Services and Resources
 - Core Capability: Public Health and Medical Services
 - Criterion 3.a.1 – Core Capability: Operational Coordination
 - Core Capability: Environmental Response/Health and Safety

Criterion 3.d.1 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: On-Scene Security and Protection

3.3.2.5 Radio Station – WCMY/WRKX

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 5.a.1 – Core Capability: Public Information and Warning

Core Capability: Operational Coordination

Core Capability: Operation Communications

3.3.2.6 LaSalle County EOC – Relocation, Reentry, and Return

Criterion 2.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Coordination

Criterion 3.f.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Operational Coordination

3.3.2.7 LaSalle County EOC – Integrated Public Alert & Warning System Route Alert

Criterion 5.a.3 – Core Capability: Public Information and Warning

Core Capability: Operation Communications

3.3.2.8 Ottawa Police Department – Dosimetry Briefing – Traffic and Access Control Post

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public & Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

3.3.2.9 Ottawa Police Department – Traffic and Access Control Post

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.d.1 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: On-Scene Security and Protection

3.3.2.10 Allen-Otter Creek CCSD #65 – Ransom Grade School – Evacuation School Interview

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.c.2 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Environmental Response/Health and Safety

3.3.2.11 Ottawa Elementary School District #141 – Evacuation School Interview

West Point FD

Criterion 1.d.1 – Core Capability: Operational Communications

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

Criterion 3.c.2 – Core Capability: Operational Coordination

Core Capability: Critical Transportation

Core Capability: Environmental Response/Health and Safety

Criterion 1.e.1 – Core Capability: Environmental Response/Health and Safety

Core Capability: Mass Care Services

Core Capability: Public and Private Services and Resources

Core Capability: Public Health and Medical Services

Criterion 3.a.1 – Core Capability: Operational Coordination

Core Capability: Environmental Response/Health and Safety

LEVEL 1 FINDINGS: NONE

b. LEVEL 2 FINDINGS: 34-18-3d2-L2-1

c. PLAN ISSUES: 34-18-1a1-P-1 and 34-18-5b1-P-2

e. PRIOR ISSUES – RESOLVED: NONE

f. PRIOR ISSUES – UNRESOLVED: NONE

SECTION 4: Conclusion

The exercise resulted in no Level 1 Findings. There were two Level 2 Findings, one for the State of Illinois and one for LaSalle County, which were both successfully re-demonstrated. There were no Plan Issues for the State of Illinois and there were two for LaSalle County, which remain open.

Based on the results of the exercise, the planning and preparedness for the State of Illinois and affected local jurisdictions provide reasonable assurance that appropriate measures can be taken to protect public health and safety. Therefore Title 44 CFR Part 350 approval of the offsite radiological emergency response plans and preparedness for the State of Illinois remains in effect.

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APPENDIX A: Improvement Plan

This section summarizes the findings from the of the evaluation of all jurisdictions and functional entities that participated in the August 7, 2018, Radiological Emergency Preparedness Full Participation Plume Exposure Pathway and Relocation, Reentry, and Return Exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the LaSalle County Station, recommended corrective actions, and a schedule of corrective actions for the identified Primary Responsible Agency.

Plan Issue: 34-18-1a1-P-1

LaSalle County EOC

Criterion: 1.a.1

CRITERION: 1.a.1 - OROs use effective procedures to alert, notify, and mobilize emergency personnel and activate facilities in a timely manner.	
CONDITION: The LaSalle County Emergency Management Agency (EMA) Director declared the LaSalle County Emergency Operations Center (EOC) activated at 0935 Central Daylight Time (CDT). The facility was declared operational, on the EMA Director's personal checklist at 1005 CDT; however, this was never announced or published inside the EOC. In accordance with the LaSalle County Procedures/County EMA Director/EOC Manager, dated 08/18, page 5-6, 10.a, when the EOC is operational, the EMA Director will: "Declare EOC operational and denote with date/time on electronic Status Board and EOC Staff Board." This did not take place. Additionally, the following step in the checklist, 10.b.1, instructs the EMA Director to: "Inform the state EOC that the LaSalle County EOC is now activated." This is after the previous step says to declare it operational. The current plans and procedures appear to use the term activated and operational synonymously.	
POSSIBLE CAUSE: Conflicting statements in current plans and procedures.	
REFERENCE: NUREG 0654/FEMA-REP-1 H.4.	
EFFECT: Current plans and procedure leave doubt as to whether the facility is activated or operational.	
RECOMMENDATION: Revise current plans and procedures to clearly distinguish the steps between where activation has taken place and when the facility has transitioned to being fully operational. Identify the minimum personnel by position who must be present to declare the facility operational and add this distinction to the Status Boards and checklists.	
CORE CAPABILITY: Operational Communications	PRIMARY RESPONSIBLE AGENCY: LaSalle County EMA
CAPABILITY ELEMENT: Operational Communications	START DATE: August 7, 2018
AGENCY POC: Connie Brooks	ESTIMATED COMPLETION DATE: October 1, 2019

Plan Issue: 34-18-5b1-P-2

LaSalle County – EOC

Criterion: 5.b.1

CRITERION: 5.b.1 - OROs provide accurate subsequent emergency information and instructions to the public and the news media in a timely manner.	
CONDITION: Four public inquiries were injected into play regarding evacuating the City of Marseilles: Ottawa Liaison, Marseilles Liaison, LaSalle County Public Health Department, and LaSalle County PIO. Each individual public inquiry was addressed by each person. However, their checklists did not have them inform the LaSalle County PIO of their inquiry. Therefore, the PIO was did not receive word of any rumors/trends not directed specifically to them, and was unable to identify said trends and take action to provide correct information to the citizens in LaSalle County by relaying information to the JIC, issue a news release, and/or hold a media briefing to address the rumor trend.	
POSSIBLE CAUSE: No instructions in position checklists to inform the PIO of any inquiries or calls concerning misinformation.	
REFERENCE: NUREG 0654/FEMA REP-1 Criterion G.4.c.	
EFFECT: Misinformation in the local area not resolved, dispelled or addressed.	
RECOMMENDATION: Include a programmatic process in county procedures for misinformation/inquiries received by all EOC staff to be provided to the PIO so that rumors and misinformation can be identified and resolved.	
CORE CAPABILITY: Public Information and Warning Operational Coordination Operational Communications	PRIMARY RESPONSIBLE AGENCY: LaSalle County EMA
CAPABILITY ELEMENT: Public Information and Warning Operational Coordination Operational Communications	START DATE: August 7, 2018
AGENCY POC: Connie Brooks	ESTIMATED COMPLETION DATE: December 31, 2018

Level 2 Finding: 34-18-3d2-L2-1 LaSalle County – EOC Criterion: 3.d.2

CRITERION: - Impediments to evacuation are identified and resolved.	
CONDITION: When rerouting traffic around impediment, evacuees were not instructed back to an evacuation route or reception center. The Joint Information Center was not made aware of rerouting of traffic.	
POSSIBLE CAUSE: Evacuation routes and evacuee destination not considered during rerouting.	
REFERENCE: NUREG 0654/FEMA REP-1 Criterion J.10.k.	
EFFECT: Evacuees would not report to reception center to be monitored and clean released. The public would not be made aware to avoid the area of the impediment.	
CORRECTIVE ACTION: Training was held and participants then demonstrated proper rerouting of evacuee vehicles including returning to evacuation route and on to reception center. The Public Information Officer drafted a new release that would be sent to the Joint Information Center and local media outlets to provide the updated information to the public.	
CORE CAPABILITY: Operational Coordination Critical Transportation Critical Infrastructure Systems	PRIMARY RESPONSIBLE AGENCY: LaSalle County EMA
CAPABILITY ELEMENT: Operational Coordination Critical Transportation Critical Infrastructure Systems	START DATE: August 7, 2018
AGENCY POC: Connie Brooks	DATE COMPLETED: August 7, 2018

Level 2 Finding: 34-18-3d2-L2-2 State of Illinois Unified Area Command Criterion: 3.d.2

CRITERION: 3.d.2 - Impediments to evacuation are identified and resolved.	
<p>CONDITION: During the LaSalle County Station (LCS) Radiological Emergency Preparedness Exercise on Tuesday, August 7, 2018, Illinois State Police (ISP), located in the State of Illinois Unified Area Command (SUAC), re-routed traffic around an impediment without taking into consideration the potential radiological conditions. Per the Federal Emergency Management Agency (FEMA) evaluator, ISP did engage with the Illinois Department of Transportation (IDOT), but not the Radiological Response Group (RRG). The FEMA evaluator engaged with the Illinois Emergency Management Agency (IEMA) Controller and stated that they were waiting to see if ISP inquired with the RRG about radiological conditions. After ISP was finished speaking with the IDOT, the IEMA controller spoke with the ISP. After that conversation, ISP walked over to the RRG and asked them if they approved and agreed with the ISP's rerouted traffic route. RRG stated that they found the traffic reroute satisfactory because it did not impede any of their field team operations. The RRG did not discuss the potential radiological conditions that may or may not have had an impact on the route. This was probable restricted access for through traffic during the evacuation and the requirement to coordinate with the Public Information Officer to communicate the alternate route to evacuees was not met.</p>	
<p>POSSIBLE CAUSE: Not having a specific checklist to follow for support of technical expertise during an evacuation with a release of radiological particulate.</p>	
<p>REFERENCE: Criterion 3.d.2: Impediments to evacuation are identified and resolved. (NUREG-0654/FEMA-REP-1, J.10.k).</p>	
<p>EFFECT: Evacuees would not report to reception center to be monitored and clean released. The public would not be made aware to avoid the area of the impediment.</p>	
<p>CORRECTIVE ACTION: As part of the LaSalle County Station Radiological Emergency Preparedness Exercise, the Illinois State Police (ISP) identified and resolved impediments to the evacuation. The redemonstration was conducted during an out-of-sequence activity on August 30, 2018, from approximately 1330 Central Daylight Time (CDT) to 1405 CDT, at the ISP District 17 Headquarters located at 2971 East 350th Road, LaSalle, Illinois.</p>	
<p>CORE CAPABILITY: Operational Coordination Critical Transportation Critical Infrastructure Systems</p>	<p>PRIMARY RESPONSIBLE AGENCY: State of Illinois</p>
<p>CAPABILITY ELEMENT: Operational Coordination Critical Transportation Critical Infrastructure Systems</p>	<p>START DATE: August 7, 2018</p>
<p>AGENCY POC: William Conway</p>	<p>DATE COMPLETED: August 30, 2018</p>

APPENDIX B: Exercise Timeline

Emergency Classification Level or Event	Time Utility Declared	All times are Central Daylight Time				
		REAC	SEOC	UAC	LaSalle County	JIC Info Issued to public
Unusual Event (end of verification call for ECLs)	0817	0844	0832	N/A	0849	N/A
Alert	0908	0943	0918	0946	0952	N/A
Site Area Emergency	1014	1031	1022	1039	1048	1047
General Emergency	1113	1132	1125	1157	1152	1151
Release of Radioactive Material Started	1014	1031	1022	1039	1118	1151
Facility Declared Operational		0935	N/A	1012	1005	N/A
Declaration of State/Local Emergency		N/A	1224	N/A	1150	1208
Exercise Termination		1230	1321	1343	1338	1227
Early Precautionary Action Decision: <The state issued an order to evacuate state parks and hunting areas.>		N/A	1143	1210	N/A	N/A
Early Precautionary Action Decision: <The state issued a Livestock Advisory: All livestock are to be sheltered and placed on stored feed and water within the 10-mile EPZ.>		1032	1032	1037	N/A	N/A
Early Precautionary Action Decision: <The state issued Air, water and rail traffic within 5/10 miles of LaSalle County Station restricted.>		N/A	1210 (water) 1120 (air/rail)	1210 (water) 1120(air/rail)	N/A	N/A
General Information Message: (via press release)		N/A	N/A	N/A	1019	N/A
Protective Action Recommendation Evacuation of Sub-Areas: 1, 2, 5		N/A	1142	N/A	N/A	N/A
Protective Action Decision: Evacuation of Sub Areas: 1, 2, 4, and 5		N/A	N/A	N/A	1156	N/A
Siren Activation:		N/A	N/A	N/A	1200	N/A
EAS Message:		N/A	N/A	N/A	1207	N/A
KI Administration Emergency Workers and Immobile Populations Decision (SEOC/REAC)/Implementation (UAC/Counties)		1247	1303	1323	1300	N/A

UNCLASSIFIED

Radiological Emergency Preparedness (REP) Program

Final After Action Report/Improvement Plan

LaSalle County Station

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APPENDIX C: Exercise Evaluation Team

EXERCISE DATE: August 7, 2018

SITE: LaSalle County Station

Exercise Management	Name	Agency/ Organization
Chair, Regional Assistance Committee	Sean O’Leary	DHS/FEMA
Exercise Director	Stephen Tulley	DHS/FEMA
Assistant Exercise Director	Edward Golinski	DHS/FEMA
Site Specialist	David Ortman	DHS/FEMA
Team Leader – State of Illinois	Kimberly Alahmadi	DHS/FEMA
Team Leader – LaSalle County	David Ortman	DHS/FEMA
Contractor Evaluator Support – Regional Coordinator	John Wills	ICF
Contractor Administrative Support	Lindsay Mackey	ICF

Evaluated Off-Site Response Organizations/Locations	Evaluator	Agency/ Organization
State of Illinois		
Illinois – SEOC – Initial Warning Point	Karl Rabenhorst	DHS/FEMA
Illinois – SEOC	Janet Hlavarty-LaPosa	DHS/FEMA
Illinois – SEOC – Radiological Emergency Assessment Center	Bart Ray	ICF
Illinois – SEOC– Joint Information Center	Frank Cordaro	ICF
Illinois – SEOC – Public Inquiry Phone Bank	Kevin Reed	ICF
Illinois – Exelon Nuclear Headquarters – Emergency Operations Facility JIC Liaison	Curtis Williams	DHS/FEMA
Illinois – Exelon Nuclear Headquarters – Emergency Operations Facility Liaison	Curtis Williams	DHS/FEMA
Illinois – Dwight Correctional Center – Radiological Response Group-1	Thomas Essig	ICF
Illinois – Dwight Correctional Center – Radiological Response Group-2	Thomas Gahan	ICF

Illinois – Dwight Correctional Center – State Mobile Lab	Michael Henry	ICF
Illinois – Putnam County EOC – Unified Area Command	Meg Swearingen	ICF
Illinois – Illinois State Police District 17 – Traffic and Access Control Point/Dosimetry Control Officer Briefing	Karl Rabenhorst	DHS/FEMA
Illinois – Illinois State Police District 17 – Traffic and Access Control Point	Darren Bates	DHS/FEMA
Illinois – OSF Saint Elizabeth Medical Center Facility	Brian Reinhart	DHS/FEMA
Illinois – OSF Saint Elizabeth Medical Center Transportation	David Ortman Stephen Tulley	DHS/FEMA
LaSalle County		
LaSalle County – LaSalle County Sheriff's Department – Initial Warning Point	Todd Lawson	DHS/FEMA
LaSalle County – Emergency Operations Center	Todd Gemskie Todd Lawson	DHS/FEMA
LaSalle County – Emergency Operations Center – LaSalle County Sheriff's Department – Dosimetry Control Officer Briefing	Richard Smith	ICF
LaSalle County – Emergency Operations Center – LaSalle County Sheriff's Department – Traffic and Access Control Point	Darren Bates	DHS/FEMA
LaSalle County – Emergency Operations Center – State Radiological Advisor	David Persaud	DHS/FEMA
LaSalle County – Emergency Operations Center – Illinois Emergency Management Agency Liaison	David Persaud	DHS/FEMA
LaSalle County – Emergency Operations Center – Integrated Public Alert & Warning System Route Alert	Brian Reinhart	DHS/FEMA
LaSalle County – Radio Station WCMY/WRKX	Brenda Rembert	ICF
LaSalle County – Relocation, Reentry, Return	Todd Gemskie	DHS/FEMA
LaSalle County – Ottawa Police Department – Traffic and Access Control Point – Dosimetry Control Officer Briefing	Brenda Rembert	ICF
LaSalle County – Ottawa Police Department – Traffic and Access Control Point	Curtis Williams	DHS/FEMA
LaSalle County – Allen-Otter Creek Community Consolidated School District #65 (Ransom Grade School) – Evacuation School Interview	Richard Smith	ICF
LaSalle County – Ottawa Elementary School District #141 – Evacuation School Interview	Kevin Reed	ICF

APPENDIX D: Acronyms and Abbreviations

ACRONYM	DESCRIPTION
μCi/ml	micro (10 ⁻⁶) Curies per milliliter
μR	micro (10 ⁻⁶) R/micro Roentgen
AAR	After Action Report
AG	Assessment Group
Ag	Agricultural
ALERT	Automated Location and Environmental Radiation Telemetry
ANI	American Nuclear Insurers
ANS	Alert and Notification System
ARC	American Red Cross
BZ	Buffer Zone
CC	Communications Center
CCC	Congregate Care Center
CCSD	Community Consolidated School District
CDT	Central Daylight Time
CFR	Code of Federal Regulations
cpm	counts per minute
Cs	Cesium
DC	Dosimetry Coordinator
DCF	Dosimeter Correction Factor
DCO	Dosimetry Control Officer
DHS	Department of Homeland Security
DLR	dosimeter of legal record
DOE	Department of Energy
DPW	Department of Public Works
DRD	Direct Reading Dosimeter
EAL	Emergency Action Level
EAS	Emergency Alert System
ECL	Emergency Classification Level
ED	Emergency Department
EMA	Emergency Management Agency
EMAT	Emergency Management Assistance Team
EMD	Emergency Management Director
EMnet	Emergency Management Network
EMS	Emergency Medical Service
EMT	Emergency Medical Technician
EOC	Emergency Operation Center
EOF	Emergency Operations Facility

ACRONYM	DESCRIPTION
EPA	Environmental Protection Agency
EPT	Exercise Planning Team
EPZ	Emergency Planning Zone
ETE	Evacuation Time Estimate
EV-2	GM EV-2, Protective Actions for School Children, November 13, 1986
EW	Emergency Worker
EWDC	Emergency Worker Decontamination Center
FD	Fire Department
FEMA	Federal Emergency Management Agency
FMTs	Field Monitoring Teams
FOA	Forward Operating Area
g	gram(s)
GE	General Emergency
GEMS	Gaseous Effluent Monitoring System
GI	Gastrointestinal
GIS	Geographical Information System
gpm	gallons per minute
HPGe	High Purity Germanium Detector
HPS	Health Physics Specialist
HQ	Headquarters
IC	Incident Commander
IDOT	Illinois Department of Transportation
IEMA	Illinois Emergency Management Agency
ILEAS	Illinois Law Enforcement Alert System
IP	Improvement Plan
IPAWS	Integrated Public Alert & Warning System
IPRA	Illinois Plan for Radiological Accidents
ISP	Illinois State Police
IWP	Initial Warning Point
JIC	Joint Information Center
JIS	Joint Information System
JIT	Just In Time (training)
JPIC	Joint Public Information Center
KI	Potassium Iodide
KV	KiloVolts
LCHD	LaSalle County Health Department/LaSalle County Health Department
LCS	LaSalle County Station
LCSO	LaSalle County Sheriff's Office
LE	Law Enforcement

ACRONYM	DESCRIPTION
LSC	Liquid Scintillation Counter
M/D	Monitoring/Decontamination
MABAS	Mutual Aid Box Alarm System
MDA	minimum detectable activity
MDC	Mobile Data Computer
MERCI	Medical Emergency Radio Communication of Illinois
mg	milligram
MHz	Megahertz
min	minute(s)
MPH/mph	miles per hour
mR	milli-Roentgen (mR)
MRL	Mobile Radiochemistry Laboratory
MRT	Medical Radiation Technician
NARS	Nuclear Accident Reporting System
NIMS	National Incident Management System
NMT	Nuclear Medicine Technician
NRC	Nuclear Regulatory Commission
NWS	National Weather Service
OOS	Out-of-Sequence
OPD	Ottawa Police Department
ORO	Offsite Response Organizations
OSF	Order of Saint Francis
OSLD	Optically Stimulated Luminescence Dosimeter
PAA	Protective Action Area
PAD	Protective Action Decision
PAR	Protective Action Recommendation
PDP	Personal Dosimetry Packet
PIO	Public Information Officer
PPE	Personal Protective Equipment
ppm	parts per million
PRD	Permanent Record Dosimeter
R	Roentgen
RA	Radiological Advisor
RAC	Regional Assistance Committee
RACES	Radio Amateur Civil Emergency Services
RAD	Radiological
RADEF	Radiological Defense
RC	Reception Center
RCM	Reception Center Manager
RCS	Reactor Containment System
RDO	Radiological Defense Officer

ACRONYM	DESCRIPTION
REA	Radiation Emergency Area
REAC	Radiological Emergency Assessment Center
rem	Roentgen Equivalent Man
REP	Radiological Emergency Preparedness
RERIC	Radiation Emergencies Response Incident Checklist
RERP	Radiological Emergency Response Plan
RO	Radiological Officer
ROE	Regional Office of Education
RRC	Radiological Response Center
RRM	Radiological Response Manager
RRR	Relocation, Reentry, Return
SAE	Site Area Emergency
SD	School District
SEOC	State Emergency Operations Center
SIP	Shelter-in-Place
SIREN	State of Illinois Rapid Electronic Notification
SNB	Special News Bulletin
SOG	Standard Operating Guideline
SOP	Standard Operating Procedure
SPL	Sample Preparation Laboratory
SUAC	State of Illinois Unified Area Command
TACP	Traffic and Access Control Point
TCP	Traffic Control Point
TEDE	Total Effective Dose Equivalent
THD	Technological Hazards Division
TLD	Thermoluminescent Dosimeter
TSC	Technical Support Center
UAC	Unified Area Command
UE	Unusual Event
UHF	Ultra-High Frequency
UPS	Uninterrupted Power Supply
URI	Unified RASCAL Interface
VHF	Very High Frequency
VOIP	Voice Over Internet Protocol
WEA	Wireless Emergency Alert

APPENDIX E: Extent-of-Play Agreements

LaSalle County Station

State of Illinois, LaSalle County, and Grundy County

Radiological Emergency Preparedness

Full Participation

Plume Exposure Pathway and Relocation, Reentry, and Return Exercise

August 7, 2018

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STATE OF ILLINOIS EXTENT-OF-PLAY AGREEMENT

FOR THE LASALLE STATION EXERCISE August 7th, 2018

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: 3.a.1, 3.b.1, 3.d.1, 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, 3.d.2, 5.a.1 and 5.b.1.

NOTE: If the exercise scenario, or related exercise play, does not prompt specific criteria-related actions, individual criteria may be addressed through a functional interview or alternative scenario-driven task demonstration. When utilized, this process will be done in a manner not to disrupt or interfere with normal exercise play.

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), 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 SEOC will be partially activated. REAC will be fully activated. A rumor control hotline will be activated at the SEOC. Rosters will be provided to demonstrate 24-hour staffing of the SEOC and REAC. The evaluator will not be allowed to remove the rosters.

The utility will issue a NARS to both the state and counties simultaneously. A follow-up state NARS may be issued to the counties after further assessment.

The Unified Area Command (UAC) will be activated and staffed with State district and regional personnel. The UAC will be located at the Putnam County EMA Office (confirmed). Radiological Response Group (RRG) and the mobile lab will be activated at the (former) Dwight Correctional Facility parking lot (confirmed). The State JIC will participate and be evaluated. State JIC personnel will be located at both the SEOC and Exelon Warrenville Headquarters. IEMA personnel will be prepositioned in the local area

and dispatched to the County EOCs, UAC, EOF, Technical Support Center (TSC) and the JIC. State Liaisons will be provided to each county EOC and will be evaluated. FEMA will not evaluate the TSC.

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

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 at the state Communications Center, SEOC, UAC, and REAC. This criterion will only be evaluated at the JIC facility in Warrenville.

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 SEOC, REAC, UAC and the JIC. Coordination will be demonstrated between the SEOC, 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.

IEEMA 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.

This criterion will also be demonstrated at the TAC/DCO evaluation at the Illinois State Police, District 17 on Wednesday, August 8th at 11:00 am (**confirmed**), and at the state rumor control hotline at the State EOC.

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 in the LaSalle County EOC.

This criterion will also be demonstrated at the TAC/DCO evaluation at the Illinois State Police, District 17 on Wednesday, August 8th at 11:00 am (**confirmed**).

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. An administrative limit decision will be made by state personnel in REAC and communicated to LaSalle county through the state radiological liaison.

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

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

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

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 SEOC and REAC. The State PAR will be transmitted to LaSalle County EOC and Grundy County EOC 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 SEOC and REAC. Activation of the relevant Reception Center(s) will be communicated to the participating county EOCs.

The state public KI recommendation will be communicated to the county EOCs, including a potential “non” recommendation.

Criterion 2.c.1: Protective action decisions are made, as appropriate, for groups of people with disabilities and those with access/functional needs.

The coordination to determine protective action recommendations (PARs) based upon available shelters, evacuation time estimates and other relevant factors will be demonstrated between the SEOC and REAC. The State PAR will be transmitted to LaSalle County EOC and Grundy County EOC 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 post-plume phase 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 be demonstrated during this exercise at the LaSalle County EOC.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

Criterion 3.a.1: The OROs issue appropriate dosimetry, KI, 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. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

This will be conducted during the ISP DCO briefing/TAC interview on Wednesday, August 8th at 11:00 a.m. (**confirmed**), at the ISP District 17 Headquarters in LaSalle.

Criterion 3.b.1: KI and appropriate instructions are available in case a decision to recommend use of KI is made. Appropriate record keeping of the administration of KI for institutionalized individuals is maintained.

This criterion has been successfully demonstrated within the last two years and, as such, will not be demonstrated during this exercise.

Criterion 3.c.1: Protective action decisions are implemented for people with disabilities and those with access/functional needs other than schools 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.

An out-of-sequence DCO briefing/Traffic and Access Control (TAC) interview will be conducted by Illinois State Police District 17 during an out-of-sequence interview on Wednesday, August 8th at 11:00 AM (**confirmed**) at 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 at the UAC that will drive this demonstration. State personnel will deal with the impediment by discussing the need for equipment, and its estimated time of arrival, etc. Actual contacts with resource providers will be made and logged.

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

This criterion will not be demonstrated during this exercise.

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

This criterion will not be demonstrated during this exercise.

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

This criterion will not be evaluated during this exercise.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

Criterion 4.a.1: [RESERVED]

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

This criterion will be demonstrated during the exercise utilizing two field teams at the Radiological Response Group (RRG) area located at the former Dwight Correctional Center (**confirmed**).

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 RRG Command. Two field teams will be evaluated. Each team will take an air sample with particulate filters. This criterion will be demonstrated during the exercise at the RRG area (**confirmed**) located at the former Dwight Correctional Center.

Criterion 4.b.1: The field teams demonstrate the capability to make appropriate measurements and to collect 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 be demonstrated during this exercise by the IEMA Mobile Laboratory at the RRG area in Dwight (**confirmed**) during the exercise. Pre-packaged samples appropriate to the area, season and scenario will be provided to the lab, prepared and analyzed in accordance with SOPs. The mobile laboratory will deploy during the exercise and be located with RRG at the (former) Dwight Correctional Center (**confirmed**).

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 REP guidance.

This criterion does not apply to the State of Illinois.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Backup alert and notification of the public is completed within a reasonable time 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.a.4: 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.

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 SEOC, REAC, UAC, the LaSalle County EOC, Grundy County EOC. IEMA personnel will be present at the JIC to coordinate with the Exelon staff. Media briefings will be conducted at the JIC. A livestock advisory may be issued to the media from the JIC or the SEOC if appropriate.

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

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

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

Joliet Junior College (2018), Illinois Valley Community College (2014), and Pontiac Township High School (2016) have all been evaluated in the last eight years. No reception centers will be evaluated for this exercise.

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

This criterion will not be demonstrated during this exercise.

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

Joliet Junior College (2018), Illinois Valley Community College (2014), and Pontiac Township High School (2016) have all been evaluated in the last eight years. No congregate care centers will be evaluated for this exercise.

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

This criterion will be demonstrated during an out of sequence drill conducted at OSF Saint Elizabeth Medical Center in Ottawa on Wednesday, **August 1st at 1:00 pm (confirmed)**.

LASALLE COUNTY EXTENT-OF-PLAY AGREEMENT

FOR THE LASALLE STATION EXERCISE August 7th, 2018

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: 3.a.1, 3.b.1, 3.d.1, 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, 3.d.2, 5.a.1 and 5.b.1.

NOTE: If the exercise scenario, or related exercise play, does not prompt specific criteria-related actions, individual criteria may be addressed through a functional interview or alternative scenario-driven task demonstration. When utilized, this process will be done in a manner not to disrupt or interfere with normal exercise play.

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, 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, State of Illinois Emergency Operations Center (SEOC), Unified Area Command (UAC) and the Joint Information Center (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 a combination of NARS, commercial telephone, radio, telefax and/or electronic mail to communicate with departments, organizations and agencies at other locations.

This criterion will also be demonstrated out of sequence at the TAC/DCO evaluation at Ottawa Police Department on Wednesday, August 8th at 9:00 am (confirmed).

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 interview.

The DCO Briefing for the LaSalle County deputy demonstrating traffic and access control will be conducted at the LaSalle County EOC during the exercise. The DCO Briefing for the Ottawa Police Officer will be conducted out of sequence on Wednesday, August 8th at 9:00 am (tentative).

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 groups of people with disabilities and those with access/functional needs.

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 for groups of people with disabilities and those with access/functional needs.

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 post-plume phase 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 be demonstrated during this exercise at the LaSalle County EOC.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

Criterion 3.a.1: The OROs issue appropriate dosimetry, KI, 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. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

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 at a TAC/DCO demonstration at Ottawa Police Department on Wednesday, August 8th at 9:00 am (confirmed).

This criterion will also be demonstrated during school interviews at the Allen Township CUSD #65 (Ransom Grade School) on **August 8th at 10:00 am (confirmed)** and at Ottawa ESD #141 on August 6th **at 10:00 am (confirmed)**.

The DCO briefing for the Sheriff's deputy demonstrating traffic and access control will be conducted at the LaSalle County EOC.

Criterion 3.b.1: KI and appropriate instructions are available in case a decision to recommend use of KI is made. Appropriate record keeping of the administration of KI for institutionalized individuals is maintained.

When notified by the State of Illinois to distribute and administer KI, LaSalle County officials will discuss the issuance of KI 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 school interview. The State of Illinois does not recommend the use of KI by the general public and, as such, that portion of the criterion will not be demonstrated.

Criterion 3.c.1: Protective action decisions are implemented for people with disabilities and those with access/functional needs other than schools 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 people with disabilities and those with access/functional needs other than schools within areas subject to protective actions. One of each type of special facility, as categorized in the special facilities list, 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.

This criterion will also be demonstrated during school interviews at the Allen Township CUSD #65 (Ransom Grade School) on **August 8th at 10:00 am (confirmed)** and at Ottawa ESD #141 on August 6th **at 10:00 am (confirmed)**.

The District Superintendent, a Teacher, the transportation coordinator (DCO), a bus driver and the maintenance supervisor will be present at each of the interview, as well as a representative from the Regional Office of Education.

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 during the exercise in the County EOC by the LaSalle County Sheriff's Department and at a separate TAC/DCO demonstration by the Ottawa Police Department on August 8th at 9:00 am (confirmed).

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 not be asked to drive to the selected post location for the demonstration; the selected post will be simulated. The staffing of the remaining posts will be simulated.

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. The impediment information will also be coordinated into public messaging (i.e., via media briefing, notifying the JIC, etc.) to communicate alternative routes to potential evacuees.

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 during the post-emergency phase are coordinated with appropriate organizations and implemented.

This criterion will be demonstrated during this exercise at the LaSalle County EOC.

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 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 monthly activation/test of the LaSalle Station EPZ Prompt Notification System as defined in IPRA-LaSalle. The Prompt Notification System (outdoor warning sirens) will be activated on August 7th at 10:00 am as part of the monthly test and not directly in-sequence 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 controller will be positioned at the radio station during the exercise to monitor for a message containing a PAR.

The IEMA Controller will terminate the demonstration if the demonstration interferes with the radio station's daily operations.

Coordination between LaSalle County and Grundy County will be demonstrated.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Backup alert and notification of the public is completed within a reasonable time following the detection by the ORO of a failure of the primary alert and notification system.

This criterion will be demonstrated in this exercise by LaSalle County, through an out of sequence interview and demonstration in the LaSalle County EOC on August 8th.

The LaSalle County EOC will be the primary activation point for the Alert Notification System. LaSalle County also activates the Emergency Alert System using IPAWS. An interview with LaSalle county personnel may be conducted by DHS/ FEMA following transmittal of EAS messages where appropriate.

Actual sounding of the ANS system to the public will not be performed. The process will be explained through interview of County EMA and/or Communications staff. Every effort will be taken by controllers, evaluators and players to avoid inadvertent activation of sirens or messaging systems.

Actual airing of EAS messages will not be performed, however, using the FEMA JITIC center, a “Nuclear Power Plant” (NPP) code and related message will be used for demonstration and viewed in real-time on a related monitor. The vendor origination software, AlertSense has message status tracking features (Sent, Acknowledged, Aired, etc.). Such system logs messages will be provided to FEMA.

Criterion 5.a.4: 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.

This criterion 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 or ad hoc messages will be developed. Contact with the radio station (WCMY/WRKX) 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.

GRUNDY COUNTY EXTENT-OF-PLAY AGREEMENT

FOR THE LASALLE STATION EXERCISE August 7, 2018

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: 3.a.1, 3.b.1, 3.d.1, 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, 3.d.2, 5.a.1 and 5.b.1.

NOTE: If the exercise scenario, or related exercise play, does not prompt specific criteria-related actions, individual criteria may be addressed through a functional interview or alternative scenario-driven task demonstration. When utilized, this process will be done in a manner not to disrupt or interfere with normal exercise play.

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.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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).

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

Criterion 2.c.1: Protective action decisions are made, as appropriate, for groups of people with disabilities and those with access/functional needs.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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 post-plume phase 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, KI, 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. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

Criterion 3.b.1: KI and appropriate instructions are available in case a decision to recommend use of KI is made. Appropriate record keeping of the administration of KI for institutionalized individuals and the general public is maintained.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

Criterion 3.c.1: Protective action decisions are implemented for people with disabilities and those with access/functional needs other than schools within areas subject to protective actions.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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

Grundy County does not have any schools within the LaSalle EPZ. No interview will be conducted in Grundy County.

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

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

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 during the post-emergency phase are coordinated with appropriate organizations and implemented.

This criterion was last demonstrated in 2011 in conjunction with the Dresden exercise and 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 REP guidance.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Backup alert and notification of the public is completed within a reasonable time following the detection by the ORO of a failure of the primary alert and notification system.

This criterion will not be demonstrated by Grundy County.

Criterion 5.a.4: 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.

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.

This criterion will not be evaluated; however, Grundy County will participate for training purposes and to the level necessary to support the exercise play of the State, LaSalle County and utility.

EVALUATION AREA 6 - SUPPORT OPERATION/FACILITIES

This evaluation area does not apply to Grundy County.

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APPENDIX F: On-Site/Off-Site Scenario Timeline

On-Site Scenario Timeline

Unit 1 Initial Conditions		Unit 2 Initial Conditions
<ul style="list-style-type: none"> ▪ Rx Power – 100% ▪ 1180 MWe. ▪ 65 days online – Online Risk GREEN ▪ Equipment OOS – 1LT-CM032 ▪ Protected Pathway – 1A/B FC Train ▪ Major evolutions – <ul style="list-style-type: none"> ○ DIV 1 Suppression Pool Level Indication 1LT-CM032 Transmitter Replacement (T.S. 3.3.3.1 RA A.1) (Mock Up, IP-4) ○ SFP Time to Boil = 22 hours 		<ul style="list-style-type: none"> ▪ Rx Power – 100% ▪ 1175 MWe ▪ 387 days online – Online Risk GREEN ▪ Equipment OOS – 2A VP ▪ Protected Pathway – 2A/B FC Train ▪ Major evolutions scheduled – <ul style="list-style-type: none"> ○ SFP Time to Boil = 33 hours
T=0	0755	Start Scenario Wind direction – from 355 degrees, 9.5 mph, Stability Class D
T+5	0800	Equipment Malfunction (0800) U1 B TDRFP trips <ul style="list-style-type: none"> ▪ Recirculation Runback occurs that leads to a Reactor Power Change of < 25% <ul style="list-style-type: none"> ○ Reactor will runback to and stabilize at ~ 80% power (IP-1)(IP-5) ▪ DW radiation slowly starts increasing

T+15	0810	<p>UNUSUAL EVENT, MU4 –UNPLANNED loss of Control Room indications for 15 minutes or longer.</p> <p><i>Plant Actions</i></p> <ul style="list-style-type: none"> ▪ (0810) Power supply in MCR fails for Suppression Pool Level indication. (IP-2)(IP-3)(IP-4) ▪ Excess Flow Check Valve (EFCV) fails closed. ALL Suppression Pool Level indications are lost on U1 (T=0 for 15-minute clock for Unusual Event) <ul style="list-style-type: none"> ○ (0810) Alarm is received on Panel 1PM13J, B2-03 <p><i>ERO Actions</i></p> <ul style="list-style-type: none"> ▪ SM should declare UNUSUAL EVENT (MU4) at ~0825 due to an UNPLANNED loss of Control Room indications for 15 minutes or longer. ▪ NARS / ENS notifications occur ▪ ERO notified or activated (CM-2)(CM-3)(CM-4) ▪ IF ERO activated, OSC/TSC/EOF should be staffed within 60 minutes ▪ IF ERO activated, Command and Control transfer will occur
T+40	0835	<p>Equipment Malfunctions</p> <ul style="list-style-type: none"> ▪ (~0835) 1C VT Exhaust Fan Trip <ul style="list-style-type: none"> ○ LOR-1PM06J-B404 annunciator ○ EO sent to check tripped fan and breaker. Check damper position for 1A exhaust (oncoming) fan. (IP-6)
T+50	0845	<p>Equipment Malfunctions</p> <ul style="list-style-type: none"> ▪ (~0845) B GC pump trip on overcurrent <ul style="list-style-type: none"> ○ A GC pump fails to automatically start, but can be started from panel 1PM02J ○ Operator will find the B GC pump hot to the touch (IP-7)

T+65	0900	<p>ALERT, MA5 – Hazardous event affecting a SAFETY SYSTEM required for the current operating mode. (MA4 is an acceptable alternative but must be declared within the timeframe of the MA5 T=0 conditions.)</p> <p><i>Plant Actions</i></p> <ul style="list-style-type: none"> ▪ (0900) Fire alarm actuates for DIV II Switchgear room <ul style="list-style-type: none"> ○ DIV II DC receives low voltage indications and alarms (T=0 for Alert) ○ Manual Reactor Scram due to loss of 112X/Y (No ATWS) ○ SGBT starts ▪ Fire Brigade is dispatched to DIV II Switchgear room <ul style="list-style-type: none"> ○ (0905) Fire is found in the 112 X/Y Panel (IP-8) ○ (0920) Due to firefighting activities the 0A/0B Diesel Fire Pumps will start (IP-9) <p><i>ERO Actions</i></p> <ul style="list-style-type: none"> ▪ SED should declare ALERT (MA5) at ~0915 due to a hazardous event affecting a SAFETY SYSTEM required for the current operating mode ▪ NARS / ENS notifications occur ▪ ERO activated (CM-2)(CM-3)(CM-4) ▪ OSC/TSC/EOF should be staffed within 60 minutes (if not previously activated) ▪ Command and Control transfer will occur (if not previously activated)
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T+130	1005	<p>SITE AREA EMERGENCY, MS2 – Loss of all Vital DC power for 15 minutes or longer.</p> <p><i>Plant Actions</i></p> <ul style="list-style-type: none"> ▪ (~1000) Water used by the Fire Brigade cascades to lower elevations which affects the DIV I DC panel below (111X/Y Panel) ▪ (~1005) DIV I DC receives low voltage indications and alarms (T=0 for time clock for Site Area Emergency) (IP-10)(IP-11) ▪ (1040) Failure of RCIC Injection line between the Reactor and 1E51-F065. (T=0 RIP)(IP-12) <ul style="list-style-type: none"> ○ Radiation increase on CRD Storage room ARM ○ Steam is visible / audible to anyone near the NW corner room ○ Release in Progress - URI Path F - <RCS><Rx Bldg><SBGT><SBGT Vent>< Env> <p><i>ERO Actions</i></p> <ul style="list-style-type: none"> ▪ SED should declare SITE AREA EMERGENCY (MS2) at ~1020 due to Loss of all Vital DC power for 15 minutes or longer. ▪ Release in Progress identified
T+190	1105	<p>GENERAL EMERGENCY, MG2 – Loss of all AC and Vital DC power sources for 15 minutes or longer.</p> <p><i>Plant Actions</i></p> <ul style="list-style-type: none"> ▪ (1105) Water from fire-fighting efforts travels through cable trays to multiple areas <ul style="list-style-type: none"> ○ Water is running onto the 141Y bus causing a lockout of ACB 1412 ○ Due to loss of DC, the overcurrent condition will travel to the U1 SAT and trip OCBs ▪ (1105) The DIV II 142Y Bus will go dead on loss of U1 SAT (IP-13) <ul style="list-style-type: none"> ○ ACB 2424 unit cross-tie lockout occurs (CM-13) (T=0 for General Emergency) ○ The 1A DG is not usable due to loss of DC to flash the field ○ The 0A DG may be started from U2 DC but cannot load onto 141Y bus due to the overcurrent condition (IP-14) <p><i>ERO Actions</i></p> <ul style="list-style-type: none"> ▪ SED should declare GENERAL EMERGENCY (MG2) at ~1120 due to Loss of all AC and Vital DC power sources for 15 minutes or longer. ▪ PARs should be developed by the EOF <ul style="list-style-type: none"> ○ Evacuate Sub-areas 1,2
T=305	1300	Exercise Termination

Off-Site Scenario Timeline

<u>Approx. Time</u>	<u>Event/Anticipated Response</u>
0750	Initial conditions/weather forecast message to players.
0810	A Notification of Unusual Event is declared at LaSalle Station
0820	Exelon sends Utility NARS to IEMA Telecommunicator and County Initial Warning Points of the UNUSUAL EVENT via NARS. IEMA Telecommunicator verifies the NARS message. IEMA Telecommunicator notifies IEMA personnel of the UNUSUAL EVENT per SOP.
0835	IEMA Telecommunicator notifies EPZ counties of the UNUSUAL EVENT via NARS. County telecommunicators complete and verify the NARS message. County telecommunicators notify county officials and municipalities of the UNUSUAL EVENT per SOP.
0900	An Alert is declared at LaSalle Station.
0915	Exelon sends Utility NARS to IEMA Telecommunicator and County Initial Warning Points 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 Emergency Operations Center (SEOC) and Radiological Emergency Assessment Center (REAC), if appropriate. IEMA may dispatch liaisons to the County EOCs, Unified Area Command (UAC), Radiological Response Group (RRG) Staging Area, Joint Information Center (JIC),

<u>Approx. Time</u>	<u>Event/Anticipated Response</u>
	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.
0930	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.
1005	A SITE AREA EMERGENCY is declared at LaSalle Station.
1020	Exelon notifies the IEMA Telecommunicator and counties of the SITE AREA EMERGENCY via NARS.
	IEMA Telecommunicator verifies the NARS message.
	REAC contacts the LaSalle Station Shift Engineer.
	SEOC is activated if not previously activated.
	SEOC notifies the Governor's Office and requests that a representative report to the State EOC. (Simulated)
	State dispatches liaisons to the County EOCs, UAC, RRG, JIC, TSC and EOF, if not previously dispatched.
	SEOC notifies FEMA of conditions. (Simulated)

Approx.
Time

Event/Anticipated Response

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 SEOC and County EOC Liaisons.

REAC provides an update to the JIC.

1035

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

County telecommunicators complete and verify the NARS message.

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

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.

<u>Approx. Time</u>	<u>Event/Anticipated Response</u>
1105	A GENERAL EMERGENCY is declared at LaSalle Station.
1120	<p>Exelon notifies the IEMA Telecommunicator and counties of the GENERAL EMERGENCY via NARS. Protective actions are recommended.</p> <p>IEMA Telecommunicator verifies the NARS message.</p> <p>The SEOC and REAC evaluate the protective action recommendation.</p> <p>A recommendation is made to the Governor. The Governor recommends that protective actions be implemented.</p> <p>SEOC staff is advised of the situation.</p> <p>SEOC advises UAC, the County EOC liaisons and JIC staff of the situation.</p> <p>SEOC notifies FEMA of conditions. (Simulated)</p> <p>REAC provides an update to the SEOC and County EOC liaisons.</p> <p>REAC provides an update to the JIC.</p>
1135	<p>SEOC notifies EPZ counties of the GENERAL EMERGENCY and the recommended protective actions via NARS.</p> <p>County telecommunicators complete and verify the NARS message. County telecommunicators notify county officials and municipalities per SOP.</p> <p>Counties implement public notification procedures and traffic and access control per SOPs, as applicable.</p> <p>Municipal telecommunicators complete and verify and the NARS message.</p> <p>Municipal telecommunicators notify EOC staff.</p>
1300	Terminate exercise play.

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