



Homeland Security

JAN 26 2007

Mr. Jim Caldwell
Regional Administrator
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Lisle, Illinois 60542-4351

Dear Mr. Caldwell:

Enclosed is one copy of the Final Report for the October 24, 2006, Radiological Emergency Preparedness (REP) Partial Participation Plume Exposure Pathway Exercise for the Perry Nuclear Power Plant. The State of Ohio and Ashtabula, Geauga, and Lake Counties participated in this exercise. The facility operator, FirstEnergy Corporation also participated in this exercise.

There were no Deficiencies identified during this exercise. There was one Area Requiring Corrective Action (ARCA) identified for the State of Ohio.

The ARCA for the State of Ohio was identified under Criterion 4.c.1 – Laboratory Operations, whereby the Bureau of Public Health Radiological Laboratory could not demonstrate that the Canberra Industries germanium detectors #1 and #3 had been calibrated with the appropriate National Institute of Standards (NIST) traceable source since November 19, 1997. The Chicago Field Office will monitor the status of corrective action for this ARCA.

There was one prior ARCA identified for Lake County, Ohio under Criterion 1.c.1 – Direction and Control, whereby notification of initiation of a release was not passed on to the Emergency Operations Center Operations Group, which was resolved during this exercise.

There were no new ARCAs identified for Ashtabula, Geauga, or Lake Counties during this exercise.

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

Based on the results of the October 24, 2006, exercise, the offsite radiological emergency response plans and preparedness for the State of Ohio and affected local jurisdictions, site-specific to the Perry Nuclear Power Plant, can be implemented and are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of a radiological emergency at the site.

Therefore, the Title 44 CFR, Part 350, approval of the offsite radiological emergency response plans and preparedness for the State of Ohio site-specific to the Perry Nuclear Power Plant, granted on June 17, 1994, remain in effect.

If you should have any questions, please contact William E. King, Chairman, Regional Assistance Committee Chairman, Chicago Field Office, at (312) 408-5575.

Sincerely,

A handwritten signature in black ink that reads "W. Craig Conklin". The signature is written in a cursive style with a horizontal line under the "i" in "Conklin".

W. Craig Conklin, Director
Chemical and Nuclear Preparedness
and Protection Division
Office of Infrastructure Protection
Preparedness Directorate

Enclosure

cc: Mr. Anthony McMurtray, Chief
Inspection and Communication Section
U.S. Nuclear Regulatory Commission
Mail Stop O-6H2
Washington, DC 20555-0001

Perry Nuclear Power Plant Exercise – October 24, 2006

Final Report – Radiological Emergency Preparedness Program

January 24, 2007



Homeland
Security

Chicago Field Office





Homeland Security

Final Exercise Report **Perry Nuclear Power Plant**

Licensee: **FirstEnergy Corporation**
Exercise Date: **October 24, 2006**
Report Date: **January 24, 2007**

U.S. DEPARTMENT OF HOMELAND SECURITY
CHICAGO FIELD OFFICE

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

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I. EXECUTIVE SUMMARY

On October 24, 2006, a Radiological Emergency Preparedness (REP) Partial Participation Plume Exposure Pathway exercise was conducted for the 10-mile Emergency Planning Zone (EPZ) around the Perry Nuclear Power Plant by the U.S. Department of Homeland Security (DHS), Chicago Field Office (CFO). The purpose of the exercise was to assess the level of preparedness of State and local jurisdictions in responding to a radiological emergency. This exercise was held in accordance with DHS' policies and guidance concerning the exercise of State and local Radiological Emergency Response Plans (RERPs) and procedures.

The most recent exercise at this site was conducted on October 5, 2004. The qualifying emergency preparedness exercise was conducted on November 28, 1984.

DHS wishes to acknowledge the efforts of the many individuals in the State of Ohio, and Lake, Ashtabula and Geauga Counties, who participated in this exercise along with the State government.

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

This Final Report contains the evaluation of the biennial exercise and the evaluation of the following out of sequence activities:

State of Ohio	Ohio Department of Health Laboratory
Lake County	Traffic and Access Control Point Field Monitoring Teams Equipment Inventory Backup Route Alerting Evacuee Monitoring/Decontamination Evacuee Registration Congregate Care Center Evacuee Vehicle Monitoring/Decontamination Emergency Worker Monitoring/Decontamination/Registration Emergency Worker Equipment Monitoring/Decontamination School Interview (EV-2) Route Verification (Interview)
Ashtabula County	Backup Route Alerting Evacuee Monitoring/Decontamination Evacuee Registration Congregate Care Center Evacuee Vehicle Monitoring/Decontamination

Geauga County Evacuee Monitoring/Decontamination
Evacuee Registration
Congregate Care Center
Evacuee Vehicle Monitoring/Decontamination
School Interview (EV-2)

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

There were no Deficiencies for any jurisdiction during this exercise.

There was one Area Requiring Corrective Action (ARCA) identified for the State of Ohio during this exercise.

The ARCA for the State of Ohio was identified under Criterion 4.c.1 – Laboratory Operations, whereby the Bureau of Public Health Radiological Laboratory could not demonstrate that the Canberra Industries germanium detectors #1 and #3 had been calibrated with the appropriate National Institute of Standards (NIST) traceable source since November 19, 1997.

There was one prior ARCA identified for Lake County, Ohio under Criterion 1.c.1 – Direction and Control that was resolved during this exercise.

There were no new ARCAs identified for Ashtabula, Geauga, or Lake Counties during this exercise.

A detailed discussion of these issues can be found in Part IV of this report.

II. INTRODUCTION

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

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

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

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

Representatives of these agencies serve on the DHS Radiological Preparedness Coordinating Committee (RPCC), which is chaired by DHS.

Formal submission of the RERPs for the Perry Nuclear Power Plant to FEMA Region V by the State of Ohio and involved local jurisdictions occurred on January 23, 1986. Formal approval of these RERPs was granted by FEMA on June 15, 1987, under 44 CFR 350.

A REP Partial Participation Plume Exposure Pathway exercise was conducted on October 24, 2006, by DHS to assess the capabilities of State and local emergency preparedness organizations in implementing their RERPs and procedures to protect the public health and safety during a radiological emergency involving the Perry Nuclear Power Station. The purpose of this exercise report is to present the exercise results and findings on the performance of the offsite response organizations (ORO) during a simulated radiological emergency.

The findings presented in this report are based on the evaluations of the Federal evaluator team, with final determinations made by the DHS Chicago Field Office RPCC Chairman, and approved by DHS Headquarters.

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

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980;
- FEMA-REP-14, "Radiological Emergency Preparedness Exercise Manual," September 1991; and
- FEMA "Radiological Emergency Preparedness: Exercise Evaluation Methodology," as published in the Federal Register Notice/Vol. 67, No. 80, dated April 25, 2002.

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

Section IV of this report, entitled "Exercise Evaluation and Results," presents detailed information on the demonstration of applicable exercise criteria at each jurisdiction or functional entity evaluated in a jurisdiction-based, issues-only format. This section also contains: (1) descriptions of all Deficiencies and ARCAs assessed during this exercise, recommended corrective actions, and (2) descriptions of resolved ARCAs assessed during previous exercises and the status of the OROs' efforts to resolve them.

III. EXERCISE OVERVIEW

Contained in this section are data and basic information relevant to the October 24, 2006, REP Partial Participation Plume Exposure Pathway exercise to test the offsite response organizations emergency capabilities in the area surrounding the Perry Nuclear Power Plant. This section of the exercise report includes a description of the plume Emergency Planning Zone, and a listing of all participating jurisdictions and functional entities that were evaluated, and a tabular presentation of the time of the actual occurrence of key exercise events and activities.

A. Plume Emergency Planning Zone Descriptions

The Perry Nuclear Power Plant (PNPP) reactor units one and two are located on the southeast shoreline of Lake Erie in Lake County, Ohio. The site is approximately seven miles northeast of Painesville, Ohio and 35 miles east of Cleveland, Ohio.

The plant site occupies approximately 1100 acres on a lake plain 50 feet above the lake low-water datum. The terrain surrounding the plant is essentially flat within five miles of the lakeshore. Rising generally to the south, the site is broken only by a lattice work of shallow, north-south stream beds and low, almost unnoticeable east-west ridges: the latter are remnants of ancient lake-shores. About five miles inland, the shoreline plane is abruptly cut by a 100-foot-deep ravine of the Grand River. The terrain south of the river is more rolling, interrupted by north-south ravines of tributaries of the Grand, Kellogg, Big, Paine, and Mill creeks and several smaller streams. A large portion of the site is forested, some 250 acres are devoted to the plant structural complex and the remainder is open grassland.

Lake County, where the nuclear power plant is located, is the smallest of Ohio's 88 counties, with two hundred and thirty-two square miles. The 2000 census approximates the population to be 102,920 residents currently within the 10-mile emergency planning zone (EPZ); 13, 591 are residents of Geneva and Harpersfield Townships in Ashtabula County with an estimated 1,930 in Geauga County.

FirstEnergy Corporation owns the Perry Nuclear Power Plant.

B. Exercise Participants

The following agencies, organizations, and units of government participated in the Perry Nuclear Power Plant REP Partial Participation Plume Exposure Pathway Exercise on October 24, 2006.

STATE OF OHIO

Ohio Emergency Management Agency (OEMA)
Ohio Department of Health (ODH)
Ohio State Highway Patrol
Ohio National Guard (ONG)
Ohio Environmental Protection Agency

RISK JURISDICTIONS

LAKE COUNTY

Lake County Commissioners
Lake County Emergency Management Agency
Lake County Sheriff's Department
Lake County General Health District
Lake County Engineer
Ohio State Highway Patrol
Ohio National Guard
Ohio Department of Public Safety
Painesville City School District
Painesville Township School District
Mentor Police Department
Painesville City Police Department
Mentor Fire Department
Eastlake Fire Department
Lake East Hospital

ASHTABULA COUNTY

Ashtabula County Commissioners
Ashtabula County Sheriff's Department
Ashtabula Emergency Management Agency
Ashtabula County Health Department
Ashtabula County Engineer
Ohio State Highway Patrol
Conneaut Fire Department
Geneva on The Lake Fire Department

GEAUGA COUNTY

Geauga County Commissioners
Geauga County Sheriff's Department
Geauga Emergency Management Agency
Geauga County Health Department
Geauga County Engineer
Ohio State Highway Patrol
Ledgemont School District
Munson Fire Department

PRIVATE/VOLUNTEER ORGANIZATIONS

First Energy Nuclear Operating Company
State of Ohio Radio Amateur Civil Emergency Services (RACES)
Lake County Radio Amateur Civil Emergency Services (RACES)
Ashtabula County Radio Amateur Civil Emergency Services (RACES)
Geauga County Radio Amateur Civil Emergency Services (RACES)
American Red Cross of Greater Columbus
Ashtabula County Chapter American Red Cross
Greater Cleveland Chapter American Red Cross

C. Exercise Timeline

Table 1 on the following page, presents the time at which key events and activities occurred during the Perry Nuclear Power Plant REP Partial Participation Plume Exposure Pathway exercise on October 24, 2006. Also included are times notifications were made to the participating jurisdictions/functional entities.

TABLE 1. EXERCISE TIMELINE

DATE AND SITE: October 24, 2006; Perry Nuclear Power Plant

Emergency Classification Level or Event	Time Utility Declared	Time That Notification Was Received or Action Was Taken					
		State of Ohio Assessment Room	State of Ohio	Lake County	Ashtabula County	Geauga County	Joint Information Center
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0753	0801	0801	0805	0806	0808	N/A
Site Area Emergency	0940	0951	0951	0956	0954	0955	N/A
General Emergency	1143	1156	1156	1158	1200	1200	1203
Simulated Radioactive Material Release Started	1143	1156	1156	1158	1200	1200	1203
Simulated Radioactive Material Release Terminated	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0910	0910	0905	0905	0908	1045
State: Declaration of State of Disaster		N/A	1037	N/A	N/A	N/A	N/A
Local: Declaration of State of Emergency		N/A	N/A	1011	1013	1013	N/A
Exercise Terminated		1413	1413	1422	1410	1422	1413
Livestock - Agriculture Advisory: Livestock and Poultry taken off pasture and given stored feed and protected water.		N/A	1009	N/A	N/A	N/A	N/A
1 st Informational Message to the Public: School Children Relocated.		N/A	N/A	1011	1019	1014	1014
2 nd Informational Message to the Public: Curtail Water Usage and Telephone Usage.		N/A	N/A	1400	1402	1401	1403
3 rd Instructional Message to the Public: Federal Aviation Administration to Restrict Airspace in EPZ.		N/A	1007	N/A	N/A	N/A	N/A
4 th Instructional Message to the Public: Railroads to Restrict Rail Traffic in EPZ.		N/A	1015	N/A	N/A	N/A	N/A
5 th Instructional Message to the Public: Department of Energy was Contacted for Assistance.		N/A	1016	N/A	N/A	N/A	N/A
6 th Instructional Message to the Public: State and Federal Resources Contacted to Restrict Lake Erie and to Close State and Federal Park Lands		N/A	1024	N/A	N/A	N/A	N/A
1 st Protective Action Decision: Evacuate sub areas 1, 2, 3 and Lake Erie out 10 miles; other population stay indoors and listen to EAS.		N/A	N/A	1210	1210	1210	1218
1 st Siren Activation		N/A	N/A	1218	N/A	N/A	1218
1 st EAS Message		N/A	N/A	1223	N/A	N/A	1223
2 nd Protective Action Decision: Evacuate sub areas 1, 2, 3, 4, 5, 6 and Lake Erie out 10 miles; all population to listen to EAS.		N/A	N/A	1338	1338	1341	1341
2 nd Siren Activation		N/A	N/A	1348	N/A	N/A	1348
2 nd EAS Message		N/A	N/A	1351	N/A	N/A	1351
KI Ingestion Decision for the General Public/ Emergency Workers/Institutionalized Persons in sub areas: 1, 2, and 3.		1210	1210	N/A	N/A	N/A	N/A
KI Ingestion Decision for the General Public/ Emergency Workers/Institutionalized Persons in sub areas: 1, 2, 3, 4, 5, and 6.		1338	1338	N/A	N/A	N/A	N/A

IV. EXERCISE EVALUATION AND RESULTS

Contained in this section are results and findings of the evaluation of all jurisdictions and functional entities that participated in the October 24, 2006, REP Partial Participation Plume Exposure Pathway exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the Perry Nuclear Power Plant.

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

A. Summary Results of Exercise Evaluation

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

- M – Met (No Deficiency or ARCAs)
- D – Deficiency assessed
- A – ARCA(s) assessed or unresolved ARCA(s) from prior exercise(s)
- N – Not Demonstrated (Reason explained in Subsection B)
- Blank – Not scheduled for demonstration

TABLE 2. SUMMARY RESULTS OF EXERCISE EVALUATION

DATE AND SITE: October 24, 2006 – Perry Nuclear Power Plant

JURISDICTIONS/LOCATION	1.	1.	1.	1.	1.	2.	2.	2.	2.	2.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	5.	5.	5.	6.	6.	6.	6.
	a.	b.	c.	d.	e.	a.	b.	b.	c.	d.	e.	a.	b.	c.	c.	d.	d.	e.	f.	a.	a.	a.	b.	c.	a.	a.	a.	b.	a.	b.	c.
STATE OF OHIO																															
Initial Notification Point	M			M																											
State Emergency Operations Center (EOC)	M			M	M	M	M	M																	M			M			
State Assessment Room	M		M	M	M		M	M	M						M																
Joint Information Center	M		M	M	M																							M			
State Analyst at Lake County Emergency Operations Center	M			M	M																				M						
Emergency Operations Facility				M								M	M																		
Ohio Department of Health Laboratory					M							M													A						
RISK JURISDICTIONS																															
LAKE COUNTY																															
Initial Notification Point	M			M																											
Emergency Operations Center (EOC)	M		M	M	M			M	M			M	M	M	M	M	M								M			M			
Joint Information Center				M																									M		
Lake County Field Monitoring Team Management																															
Medical Services (MS-1) Transportation - Perry Fire District				M	M							M	M																		M
Medical Services (MS-1) Facilities - Lake East Hospital				M	M							M																			M
Lake County Field Monitoring Team 1 - Lake County General Health District				M	M							M	M									M		M							
Lake County Field Monitoring Team 2 - Lake County General Health District				M	M							M	M									M		M							
Traffic and Access Control Point - Mentor Police Department				M	M							M	M			M															
Traffic and Access Control Point - Painesville City Police Department				M	M							M	M			M															

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

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

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

TABLE 2. SUMMARY RESULTS OF EXERCISE EVALUATION

DATE AND SITE: October 24, 2006 – Perry Nuclear Power Plant

JURISDICTIONS/LOCATION	1. a.	1. b.	1. c.	1. d.	1. e.	2. a.	2. b.	2. c.	2. d.	2. e.	3. a.	3. b.	3. c.	3. d.	3. e.	3. f.	4. a.	4. a.	4. a.	4. b.	4. c.	5. a.	5. a.	5. a.	5. b.	6. a.	6. b.	6. c.	6. d.
RISK JURISDICTION (Continued)																													
<u>GEAUGA COUNTY</u>																													
Initial Notification Point	M	M		M																									
Emergency Operations Center (EOC)	M	M	M	M	M		M	M			M	M	M	M	M								M			M			
Joint Information Center				M																						M			
Traffic and Access Control Point - Geauga County Sheriff's Department				M	M						M	M			M														
Traffic and Access Control Point - Ohio State Highway Patrol				M	M						M	M			M														
Evacuee Monitoring - Munson Fire Department					M						M	M															M		
Evacuee Registration - American Red Cross					M						M	M															M		
Congregate Care Center - American Red Cross					M						M	M																M	
Evacuee Decontamination - Munson Fire Department					M						M	M															M		
Evacuee Vehicle Monitoring/ Decontamination - Munson Fire Department					M						M	M															M		
School Interview (EV-2) - Ledgemont School District					M						M	M		M															

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

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

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

B. Status of Jurisdictions Evaluated

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

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

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

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

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

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

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

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

1. STATE OF OHIO

1.1 Initial Notification Point

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

1.2 State Emergency Operations Center (EOC)

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

1.3 State Assessment Room

- a. MET: Criteria 1.a.1; 1.c.1; 1.d.1; 1.e.1; 2.b.1; 2.b.2; 2.c.1 and 3.d.1
- b. DEFICIENCY: NONE
- c. AREAS REQUIRING CORRECTIVE ACTION: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ARCAs - RESOLVED: 47-04-1.c.1-A-01
- f. PRIOR ARCAs - UNRESOLVED: NONE

1.4 Joint Information Center

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

1.5 State Analyst at Lake County Emergency Operations Center

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

1.6 Emergency Operations Facility

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

1.7 Ohio Department of Health Laboratory

- a. **MET:** Criteria 1.e.1 and 3.a.1
- b. **DEFICIENCY:** NONE
- c. **AREAS REQUIRING CORRECTIVE ACTION:** Criterion 4.c.1

ISSUE NUMBER: 47-06-4.c.1-A-01

CONDITION: The Bureau of Public Health Radiological Laboratory could not demonstrate that the Canberra Industries germanium detectors #1 and #3 had been calibrated with a National Institute of Standards (NIST) traceable source since November 19, 1997.

POSSIBLE CAUSE: A procedure was not available, nor was effort made to ensure calibration efficiencies are performed annually, or as recommended by the manufacturer.

REFERENCE: NUREG-0654, C.3., J.11

EFFECT: Possible inaccurate radio-analysis of radionuclide concentrations in silver zeolite cartridge and pre-filter geometries. Accurate radio-analysis of these devices is critical to assess air samples from the plume exposure pathway and yield important data in the formulation of Protective Action Recommendations.

RECOMMENDATION: The Bureau of Public Health Radiological Laboratory should review and/or develop plans and procedures, and effort should be made to ensure calibrations are performed, annually or in accordance with the manufacturer's specifications.

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

2. RISK JURISDICTIONS

2.1 LAKE COUNTY

2.1.1 Initial Notification Point

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

2.1.2 Emergency Operations Center (EOC)

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

Issue Number: 47-04-1.c.1-A-01

Condition: In the Operations Room, the Operations Officer, and at various times throughout the exercise, the Emergency Management Agency Director or the Assessment Center Coordinator briefed the Operations Group staff of actions being taken by the County. However, when Lake County Officials staff received notification that a release at the Perry Nuclear Power Plant (PNPP) began at 1202 hours, exceeding Protective Action Guides, this information was not passed on to the staff in the Operations Group.

Corrective Action Demonstrated: Lake County placed an illuminated "Release In Progress" sign on the electronic ECL status panels such that when it was activated the Release In Progress status was clearly visible to all personnel in the EOC main conference room, and in the Executive Group Room, the Assessment Room, and in the Dispatch Center, by virtue of installation of duplicate illuminated signs.

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

2.1.3 Joint Information Center

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

2.1.4 Lake County Field Monitoring Team Management

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

2.1.5 Medical Services (MS-1) Transportation – Perry Fire District

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

2.1.6 Medical Services (MS-1) Facilities – Lake East Hospital

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

2.1.7 Lake County Field Monitoring Team 1 – Lake County General Health District

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

2.1.8 Lake County Field Monitoring Team 2 – Lake County General Health District

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

2.1.9 Traffic and Access Control Point – Mentor Police Department

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

2.1.10 Traffic and Access Control Point – Painesville City Police Department

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

2.1.11 Lake County Field Monitoring Equipment Inventory

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

2.1.12 Backup Route Alerting – Fairport Harbor Village Fire Department

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

2.1.13 Evacuee Monitoring – Eastlake Fire Department

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

2.1.14 Evacuee Registration – American Red Cross

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

2.1.15 Congregate Care Center – American Red Cross

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

2.1.16 Evacuee Decontamination – Eastlake Fire Department

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

2.1.17 Evacuee Vehicle Monitoring/Decontamination – Eastlake Fire Department

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

2.1.18 Emergency Worker Monitoring/Decontamination – Mentor Fire Department

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

2.1.19 Emergency Worker Registration – Mentor Fire Department

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

2.1.20 Emergency Worker Decontamination – Mentor Fire Department

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

**2.1.21 Emergency Worker Equipment and Vehicle Monitoring/
Decontamination – Mentor Fire Department**

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

2.1.22 School Interview (EV-2) – Painesville City School District

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

2.1.23 School Interview (EV-2) – Painesville Township School District

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

2.2 ASHTABULA COUNTY

2.2.1 Initial Notification Point

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

2.2.2 Emergency Operations Center (EOC)

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

2.2.3 Joint Information Center

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

2.2.4 Traffic and Access Control Point – Ohio State Highway Patrol

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

2.2.5 Traffic and Access Control Point – Ashtabula County Sheriff's Department

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

2.2.6 Backup Route Alerting – Geneva On The Lake Fire Department

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

2.2.7 Evacuee Monitoring – Conneaut Fire Department

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

2.2.8 Evacuee Registration – American Red Cross

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

2.2.9 Congregate Care Center – American Red Cross

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

2.2.10 Evacuee Decontamination – Conneaut Fire Department

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

2.2.11 Evacuee Vehicle Monitoring/Decontamination – Conneaut Fire Department

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

2.3 GEAUGA COUNTY

2.3.1 Initial Notification Point

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

2.3.2 Emergency Operations Center (EOC)

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

2.3.3 Joint Information Center

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

2.3.4 Traffic and Access Control Point – Geauga County Sheriff’s Department

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

2.3.5 Traffic and Access Control Point – Ohio State Highway Patrol

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

2.3.6 Evacuee Monitoring – Munson Fire Department

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

2.3.7 Evacuee Registration – American Red Cross

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

2.3.8 Congregate Care Center – American Red Cross

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

2.3.9 Evacuee Decontamination – Munson Fire Department

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

2.3.10 Evacuee Vehicle Monitoring/Decontamination – Munson Fire Department

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

2.3.11 School Interview (EV-2) – Ledgemont School District

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

APPENDIX 1

ACRONYMS AND ABBREVIATIONS

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

ALARA.....	As Low As Reasonably Achievable
ARIO.....	Advanced Radiological Incident Operations
ARC.....	American Red Cross
ARMC.....	Aerial Radiological Monitor Course
BRP.....	Bureau of Radiation Protection
cc.....	cubic centimeter
CADAP.....	Computer-Aided Dose Assessment Program
CAS.....	Crisis Action System
CDE.....	Committed Dose Equivalent
CD V-715.....	Format for abbreviated model designation for the Civil Defense
.....	Victoreen Model 715 survey instrument (similarly for
.....	CD V-700)
CEDE.....	Committed Effective Dose Equivalent
CFR.....	Code of Federal Regulations
COTP.....	Captain of the Port, U.S. Coast Guard
CPM.....	Counts Per Minute
DIL.....	Derived Intervention Level
DOC.....	Department of Commerce
DOE.....	Department of Energy
DOI.....	Department of Interior
DOT.....	Department of Transportation
DRD.....	Direct Reading Dosimeter
DRL.....	Derived Response Level
EAL.....	Emergency Action Level
EA.....	Emergency Alert System (formerly known as EBS)
ECL.....	Emergency Classification Level
EDL.....	Executive Discussion Line
EMA.....	Emergency Management Agency
EMI.....	Emergency Management Institute
EOC.....	Emergency Operations Center
EOF.....	Emergency Operations Facility
EPA.....	U. S. Environmental Protection Agency
EPI.....	Emergency Public Information
EPINFO.....	Electric Plant Information (plant data)

EPZ Emergency Planning Zone
 ERDS Emergency Response Data System
 ESF Emergency Support Functions

FAA Federal Aviation Administration
 FCRDO Fundamentals Course for Radiological Defense Officers
 FCRM Fundamentals Course for Radiological Monitors
 FCRRT Fundamentals Course for Radiological Response Teams
 FDA Food and Drug Administration
 FEMA Federal Emergency Management Agency
 FENOC FirstEnergy Nuclear Operating Company
 FERT Federal Emergency Response Team
 FNAMS FEMA National Automated Message System
 FNARS FEMA National Radio System
 FRERP Federal Radiological Emergency Response Plan (replaced by
 NRP)
 FRMAC Federal Radiological Monitoring and Assessment Center
 FRPCC Federal Radiological Policy Coordinating Committee
 FSA Farm Service Agency (USDA)
 FTC Field Team Center

GM Guidance Memorandum

HHS Health and Human Services, Department of
 HRA Hospital Emergency Department Management of Radiation
 Accidents
 HSOC Homeland Security Operations Center
 HSPD-5 Homeland Security Presidential Directive - 5
 HUD Housing and Urban Development, Department of

ICS Incident Command System

JFO Joint Field Office
 JIC Joint Information Center

KI Potassium Iodide

LEADS Law Enforcement Automated Data System
 LEERN Law Enforcement Emergency Radio Network

MAELU Mutual Atomic Energy Liability Underwriters
 Met. Meteorological
 μ Ci microcurie
 mR milliRoentgen

NAWAS..... National Warning System
 NCS..... National Communications System
 NETC..... National Emergency Training Center
 NIMS..... National Incident Management System
 NOAA..... National Oceanic and Atmospheric Administration
 NRC..... Nuclear Regulatory Commission
 NRCC..... National Response Coordination Center
 NRP..... National Response Plan
 NUMARC..... Nuclear Management and Resources Council
 NUREG..... Nuclear Regulatory Commission Guidance Document
 NWS..... National Weather Service

ODA..... Ohio Department of Agriculture
 ODH..... Ohio Department of Health
 ODI..... Ohio Department of Insurance
 ODJFS..... Ohio Department of Jobs and Family Services
 ODMH..... Ohio Department of Mental Health
 ODNR..... Ohio Department of Natural Resources
 ODOT..... Ohio Department of Transportation
 OEMA..... Ohio Emergency Management Agency
 OEPA..... Ohio Environmental Protection Agency
 ONG..... Ohio National Guard
 ORC..... Ohio Revised Code
 ORO..... Offsite Response Organization
 OSHP..... Ohio State Highway Patrol
 OSLD..... Optically Stimulated Luminescent Detector
 OSU..... Ohio State University

PAD..... Protective Action Decision
 PAG..... Protective Action Guide
 PAR..... Protective Action Recommendation
 PIO..... Public Information Officer
 PNPP..... Perry Nuclear Power Plant
 PRD..... Permanent Record Dosimeter
 PUCO..... Public Utilities Commission of Ohio

R..... Roentgen
 RAAC..... Radiological Accident Assessment Concept Course
 RAC..... Regional Assistance Committee (FEMA)
 RCRDO..... Refresher Course for Radiological Defense Officers
 RCRM..... Refresher Course for Radiological Monitors
 RCRRT..... Refresher Course for Radiological Response Teams
 REM..... Roentgen Equivalent Man
 REP..... Radiological Emergency Preparedness
 RERO..... Radiological Emergency Response and Operations Course

RER.....	Radiological Emergency Response
REVOC.....	Re-entry Verification and Orientation Center
RI/M&C	Radiological Instrumentation/Maintenance and Calibration Facility
RMIC	Radiological Monitor Instructor Course
RR/PAO	Reentry, Recovery and Post Accident Operations
RZ	Restricted Zone
SECURE.....	State's Emergency Capability Using Radio Effectively
SOG.....	Suggested Operating Guidelines
SOP	Standard Operating Procedure
TACP	Traffic and Access Control Point
TEDE	Total Effective Dose Equivalent
TLD.....	Thermo Luminescent Dosimeter
UHHS.....	University Hospitals Health System
USCG.....	U.S. Coast Guard
USDA.....	U.S. Department of Agriculture
WREP	Workshop: Radiological Emergency Preparedness

APPENDIX 2

EXERCISE EVALUATORS AND TEAM LEADERS

The following is a list of the personnel who evaluated the Perry Nuclear Power Plant REP Partial Participation Plume Exposure Pathway exercise on October 24, 2006. The letters "(T/L)" indicates evaluator Team Leaders after their organization's names. The organization each evaluator represents is indicated by the following abbreviations:

DHS Department of Homeland Security
ICF ICF Consulting

<u>TITLE</u>	<u>NAME</u>	<u>ORGANIZATION</u>
RPCC Chairman	William E. King	DHS
Exercise Director	Gary L. Naskrent	DHS
Site Specialist	Harral Logaras	DHS

STATE OF OHIO

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Initial Notification Point	Clinton Crackel	DHS
State Emergency Operations Center (EOC)	Terri Connors- Hartman (T/L)	DHS
	Clinton Crackel	DHS
	Deborah Bell	ICF
State Assessment Room	Deborah Bell	ICF
	David Jacobson	ICF
Joint Information Center	David White	ICF
State Analyst at Lake County Emergency Operations Center	William Vocke	ICF
Emergency Operations Facility	Richard Grundstrom	ICF
Ohio Department of Health Laboratory	David Jacobson	ICF

LAKE COUNTY

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Initial Notification Point	Lawrence Visnieski	ICF
Emergency Operations Center (EOC)	Harral Logaras (T/L) Lawrence Visnieski William Vocke Doug Hemle	DHS ICF ICF ICF
Joint Information Center	David White	ICF
Lake County Field Monitoring Team Management	Patrick Taylor	ICF
Medical Services (MS-1) Transportation – Perry Fire District	Herbert Boedecker	ICF
Medical Services (MS-1) Facilities – Lake East Hospital	Raymond Wood	ICF
Lake County Field Monitoring Team 1– Lake County General Health District	Adrian Miron	ICF
Lake County Field Monitoring Team 2 – Lake County General Health District	Tracey Green	ICF
Traffic and Access Control Point – Mentor Police Department	Adrian Miron	ICF
Traffic and Access Control Point – Painesville City Police Department	Tracey Green	ICF
Lake County Field Monitoring Team Equipment Inventory	Patrick Taylor	ICF
Backup Route Alerting – Fairport Harbor Village Fire Department	Patrick Taylor	ICF
Evacuee Monitoring – Eastlake Fire Department	Doug Hemle	ICF
Evacuee Registration – American Red Cross	Raymond Wood	ICF

LAKE COUNTY (Continued)

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Congregate Care Center – American Red Cross	Raymond Wood	ICF
Evacuee Decontamination – Eastlake Fire Department	Herbert Boedecker	ICF
Evacuee Vehicle Monitoring/Decontamination – Eastlake Fire Department	William Vocke	ICF
Emergency Worker Monitoring/Decontamination – Mentor Fire Department	Raymond Wood	ICF
Emergency Worker Registration – Mentor Fire Department	William Vocke	ICF
Emergency Worker Decontamination – Mentor Fire Department	Lawrence Visnieski	ICF
Emergency Worker Equipment and Vehicle Monitoring/Decontamination – Mentor Fire Department	Tracey Green	ICF
School Interview (EV-2) – Painesville City School District	Clark Cofer	ICF
School Interview (EV-2) – Painesville Township School District	Robert Vork	ICF

ASHTABULA COUNTY

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Initial Notification Point	Carl Bebrich	DHS
Emergency Operations Center (EOC)	Carolyn Sturghill (T/L) Carl Bebrich Robert Vork Deborah Blunt	DHS DHS ICF ICF
Joint Information Center	David White	ICF
Traffic and Access Control Point – Ohio State Highway Patrol	Clark Cofer	ICF
Traffic and Access Control Point – Ashtabula County Sheriff’s Department	Glenn Kinnear	ICF
Backup Route Alerting – Geneva On The Lake Fire Department	Deborah Blunt	ICF
Evacuee Monitoring – Conneaut Fire Department	Clark Cofer	ICF
Evacuee Registration – American Red Cross	Carl Bebrich	DHS
Congregate Care Center – American Red Cross	Carl Bebrich	DHS
Evacuee Decontamination – Conneaut Fire Department	Glenn Kinnear	ICF
Evacuee Vehicle Monitoring/ Decontamination – Conneaut Fire Department	Richard Watts	ICF

GEAUGA COUNTY

<u>EVALUATION SITE</u>	<u>EVALUATOR</u>	<u>ORGANIZATION</u>
Initial Notification Point	George MacDonald	ICF
Emergency Operations Center (EOC)	Jay Kinsley (T/L) George MacDonald Sarah Everidge Harold Spedding	DHS ICF ICF ICF
Joint Information Center	David White	ICF
Traffic and Access Control Point – Geauga County Sheriff's Department	Scott Lonchar	ICF
Traffic and Access Control Point – Ohio State Highway Patrol	Carl Wentzell	ICF
Evacuee Monitoring – Munson Fire Department	Scott Lonchar	ICF
Evacuee Registration – American Red Cross	George MacDonald	ICF
Congregate Care Center – American Red Cross	Carl Wentzell	ICF
Evacuee Decontamination – Munson Fire Department	Sarah Everidge	ICF
Evacuee Vehicle Monitoring/ Decontamination – Munson Fire Department	Robert Vork	ICF
School Interview (EV-2) – Ledgemont School District	Harold Spedding	ICF

STATE OF OHIO OFF-SITE CRITERIA

**PERRY NUCLEAR POWER PLANT
PARTIAL PARTICIPATION EXERCISE**

EXTENT OF PLAY AGREEMENT

State of Ohio

OCTOBER 24, 2006

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

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

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

Extent of Play

The State Emergency Operations Center (SEOC) and the Ohio Highway Patrol Dispatch Center will receive initial notification over the 24-hour phone line. Once the SEOC Assessment Room is activated all dedicated phone communications will be received there. The State will mobilize all the agencies that have responsibilities in the Executive Room, Dose Assessment, Support Services, the Lakeland Community College Joint Information Center (JIC), and the Emergency Operations Facility (EOF). The Emergency Operations Facility and Lakeland Community College Joint Information Center representatives will be prepositioned.

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

Extent of Play

The baseline exercise for demonstration of this criterion was conducted in April 2002. The State of Ohio will demonstrate the availability of facilities to support the accomplishment of emergency operations (e.g., adequate space, furnishings, lighting, restrooms and ventilation).

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.

Extent of Play

Direction and control of state activities will be demonstrated at the SEOC. The Executive Director of Ohio EMA will coordinate decisions on behalf of the Governor's office from the SEOC Executive Room. The Ohio Department of Health is responsible for the decision making process in the SEOC Assessment Room.

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

Extent of Play

The primary means of communications between the State EOC and the County EOCs, Lakeland Community College JIC, and the EOF is by commercial and/or dedicated telephone. Backup communications (radio and/or cellular phones) will be demonstrated.

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

Extent of Play

The state will demonstrate the use of equipment, maps and displays to support emergency operations. The maps traditionally used in the EOC will be available and used for exercise evaluation purposes.

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.

Extent of Play

The State EOC Assessment Room staff will consider PAGs and Administrative Limits to develop recommendations, including KI, based on their technical evaluation of the available data. Recommendations will be forwarded to the County EOCs. County EOCs will disseminate recommendations to their emergency workers. Field monitoring data will be provided to the State EOC Assessment Room via controller injects.

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.

Extent of Play

The State EOC Assessment Room will evaluate the licensee information and complete independent dose projections based on that information and simulated field-monitoring data. Assessment Room staff will evaluate the data and forward protective action recommendations to the EOC Executive Room. Approved recommendations will then be forwarded to the County EOCs via conference line established in the Assessment Room.

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).

Extent of Play

The Governor or his designee will demonstrate the ability to make appropriate protective action recommendations based on technical information from the EOC Assessment Room. Recommendations concerning the use of KI for the general public and emergency workers are the responsibility of the Ohio Department of Health. They are made in the SEOC Dose Assessment Room and will accompany the protective action recommendation.

Coordination will take place in the SEOC Executive Room with Ashtabula, Geauga and Lake Counties over the Executive Discussion Line (EDL) to ensure consideration of local needs. After the decision is made, counties will disseminate protective actions to the general public.

At least two (2) Protective Action Decisions will be demonstrated.

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

Extent of Play

The recommendation to take KI is issued by the Ohio Department of Health in the Assessment Room. It is then forwarded to the County EOCs for implementation.

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

Extent of Play

The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the 2012 Perry exercise.

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

Extent of Play

The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the 2012 Perry exercise.

EVALUATION AREA 3 – PROTECTIVE ACTION IMPLEMENTATION

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

Extent of Play

The State FMTs, Communications Van and Sample Screening Point will not be demonstrated in this exercise. The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the May 2007 Davis-Besse exercise. Implementation will be demonstrated by county responders.

Implementation will be demonstrated for State personnel responding to the EOF.

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

Extent of Play

The State FMTs, Communications Van and Sample Screening Point will not be demonstrated in this exercise. The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the May 2007 Davis-Besse exercise. Implementation will be demonstrated by county responders.

Implementation will be demonstrated for State personnel responding to the EOF.

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

Extent of Play

N/A - This is a county function.

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

Extent of Play

N/A - This is a county function.

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

Extent of Play

The State EOC Dose Assessment Room will procedurally demonstrate restricting air, water and rail traffic within the Emergency Planning Zone.

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

Extent of Play

N/A - This is a county function.

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.

Extent of Play

The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the 2012 Perry exercise.

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— **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.

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— **Extent of Play**

— **The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the 2012 Perry exercise.**

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

— **Extent of Play**

— **The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the 2012 Perry exercise.**

— **EVALUATION AREA 4 – FIELD MEASUREMENT AND ANALYSIS**

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

— **Extent of Play**

— **The State FMTs, Communications Van and Sample Screening Point will not be demonstrated in this exercise. The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the May 2007 Davis-Besse exercise.**

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

— **Extent of Play**

— **The State FMTs, Communications Van and Sample Screening Point will not be demonstrated in this exercise. The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the May 2007 Davis-Besse exercise.**

— **Criterion 4.a.3:** Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams will move to an

appropriate low background location to determine whether any significant (as specified in the plan and/or procedures) amount of radioactivity has been collected on the sampling media.

Extent of Play

The State FMTs, Communications Van and Sample Screening Point will not be demonstrated in this exercise. The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the May 2007 Davis-Besse exercise.

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

Extent of Play

The State demonstrated this criterion at the June 2006 Beaver Valley exercise. It will be demonstrated again at the 2012 Perry exercise.

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

Extent of Play

Since the ODH lab demonstration was not conducted during the June 2006 Beaver Valley exercise, it will take place during this exercise. The lab will demonstrate its procedures out of sequence on October 24 at 9:00 AM. Meat, water, soil, milk, vegetation, and fish samples will be analyzed in accordance with their procedures.

DHS CHICAGO FIELD OFFICE NOTE: In accordance with follow-up conversations with the State of Ohio, the Ohio Department of Public Health (ODH) Laboratory demonstration will be conducted OUT OF SEQUENCE, on Monday, October 23, 2006 at 1300 hours. (See Enclosure 2 "Evaluator Assignments/Locations" for location and contact information.)

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 off-site emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include:

1. Identification of the state or local government organization and the official with the authority for providing the alert signal and instructional message

2. Identification of the commercial nuclear power plant and a statement that an emergency situation exists at the plant
3. Reference to REP-specific emergency information (e.g., brochures and information in telephone books) for use by the general public during an emergency
4. A closing statement asking the affected and potentially affected population to stay tuned for additional information.

Extent of Play

The State will consult with the county EOCs to determine the best immediate protective action for the populace. Once a decision is reached that requires the activation of the alert and notification system, Lake County will simulate the initiation of the sirens. EAS messages will be prepared by Lake County EMA who will simulate providing them to the EAS Station. (See Lake County Extent of Play Agreement for further details.)

Criterion 5.a.2: [RESERVED]

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

Extent of Play

N/A - This is a county function.

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

Extent of Play

The State PIO and a representative from the Ohio Department of Health will be present at the Lakeland Community College JIC to address protective actions being implemented and the activities taking place at the State and county level. Public information representatives from Ohio EMA will be present in the State EOC to communicate with the Lakeland Community College JIC. A Public Inquiry telephone will be established and demonstrated in the State EOC.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

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

Extent of Play

N/A - This is a county function.

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

Extent of Play

N/A - This is a county function.

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

Extent of Play

N/A - This is a county function.

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.

Extent of Play

N/A - This is a county function.

LAKE COUNTY OFF-SITE CRITERIA

**PERRY NUCLEAR POWER PLANT
PARTIAL PARTICIPATION EXERCISE**

EXTENT OF PLAY AGREEMENT

**LAKE COUNTY
OHIO**

October 24, 2006

Criteria that can be re-demonstrated immediately for credit, by a decision of the evaluator, include the following: 3.a.1, 3.d.1, 3.d.2, 6.a.1, 6.b.1, 6.c.1, and 6.d.1. Criteria that may be re-demonstrated, as approved on a case-by-case basis by the Chairman of the Radiological Preparedness Coordinating Committee, include the following: 2.a.1, 2.b.1, 2.b.2, 5.a.1, and 5.b.1.

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

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

Extent of Play

Lake County EOC Staff will mobilize upon notification from the Lake County Sheriff's Central Communications Dispatch Center. Full field notification utilizing primary means of communication will be completed one time only from the EOC, at the Site Area Emergency classification.

Field agency demonstrations will be conducted out-of sequence and participants will be pre-positioned.

Field activity participants

Fairport Harbor Village Fire Department – Back-up Route Alerting
Eastlake Fire Department – Public Monitoring & Decontamination
Painesville City School District – Risk School
Painesville Township School District – Risk School
American Red Cross – Care Center
Lake County General Health District Field Monitoring Teams
Lake East Hospital - Medical Services (MS-1)
Mentor City Police Department – Traffic/Access Control
Painesville City Police – Traffic/Access Control
Perry Fire District – Medical Services Transportation
Mentor Fire Department – Emergency Worker Monitoring/Decontamination

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

Extent of Play

Participating facilities other than the EOC and Sheriff's Dispatch Office will be evaluated during this exercise in order to establish a baseline. The EOC and Sheriff's Dispatch Office were evaluated during the 2002 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.

Extent of Play

Direction and control of emergency operations will be demonstrated in accordance with the exercise scenario, the Lake County Radiological Emergency Response Plan, Agency SOG and as appropriate for out-of-sequence field demonstrations.

ARCA – Issue Number: 47-04-1.c.1-A-01

Lake County has installed a sign in the Operations Room that will be activated when there is a "release in progress" associated with an Emergency Classification Level (ECL). There is an audible alarm and the sign is visible to the entire room.

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

Extent of Play

Primary (dedicated phone lines and commercial telephone) and secondary (radio/pagers/cell phones) means of communications will be demonstrated at the EOC and as appropriate for out-of-sequence field demonstrations. Controllers will drive field play.

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

Extent of Play

During 2003, KI was pre-distributed to the general public at designated locations by the Ohio Department of Health (ODH) through the local health department. Additional KI is stockpiled at the EOC and would be transported to the care centers and distributed by the local health department, as requested.

Dosimetry and KI have been pre-distributed to Offsite Response Organizations (OROs); the monitoring kits and dosimetry are exchanged annually by the State of Ohio. Supporting documentation is included in the Annual Letter of Certification.

The KI shelf-life has been extended; a copy of the letter from the vendor is included with the KI.

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.

Extent of Play

Lake County relies on the Ohio Department of Health (ODH) for the recommendation to take KI and for the authorization to exceed Protective Action Guides. For out-of-sequence field agency demonstrations, this will be demonstrated by interview with exercise participants or by controller inject, if necessary.

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.

Extent of Play

N/A – Lake County does not demonstrate this criterion; it relies on the State of Ohio.

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).

Extent of Play

The Lake County EOC Executive Group will demonstrate this criterion in coordination with Geauga and Ashtabula counties' Executive Groups and the State of Ohio.

The Director, or designee, of the Ohio Department of Health (ODH) makes the decision for the general public and emergency workers to take KI. The ODH through the local health departments makes KI available to the general public, by pre-distribution and by supplies available for distribution at the time of the emergency at care centers.

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

Extent of Play

The Lake County EOC Executive Group will demonstrate this criterion in coordination with Geauga and Ashtabula counties' Executive Groups. Schools follow the protective action decisions for the general public; they are not considered a special population group.

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

Extent of Play

N/A – Lake County relies on the State of Ohio.

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

Extent of Play

N/A – This criterion was successfully demonstrated during the 2002 Exercise.

EVALUATION AREA 3 – PROTECTIVE ACTION IMPLEMENTATION

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

Extent of Play

The Lake County EOC Radiological Officer will demonstrate radiation exposure control capabilities. Dosimetry and exposure control procedures will be demonstrated by field agencies during out-of-sequence exercise activities.

Field activity participants:

Fairport Harbor Village Fire Department
Eastlake Fire Department
Painesville City School District – Transportation Department only
Painesville Township School District – Transportation Department only
Lake County General Health District Field Monitoring Teams

Lake East Hospital
Mentor City Police Department
Painesville City Police Department
Perry Fire District
Mentor Fire Department

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

Extent of Play

The Ohio Department of Health (ODH) will make recommendations regarding the use of KI. Lake County's preparedness measures for KI include pre-distribution to emergency response agencies and to the general public, if they chose to pick it up at designated centers. At the time of the emergency, the agencies distribute the dosimetry and KI to the emergency workers. Demonstration of this criterion may be facilitated by discussion with the Lake County General Health District Coordinator at the EOC. For field agency demonstrations, KI procedures will be demonstrated by interview with exercise participants or by controller inject, if necessary.

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

Extent of Play

Notification to individuals with special needs within the Lake County portion of the EPZ will be simulated. A list of special needs residents within the Lake County portion of the EPZ is maintained by the Lake County Department of Job and Family Services and the Lake County EMA.

The Department of Job and Family Services Coordinator at the EOC will coordinate special needs notification activities and, upon request, will present the confidential list for review by the DHS evaluator. At least 4 transportation providers, which in Lake County include school districts, will be contacted to ensure availability of buses and drivers.

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

Extent of Play

The school districts will demonstrate this criterion out-of-sequence, by interview with the superintendent, high school principal, transportation supervisor and a bus

operator. School officials follow the protective action decisions made by the elected officials for the general public.

The use of dosimetry and KI will be discussed with transportation personnel only.

During the Exercise all schools in the EPZ will be notified as identified in Criterion 1.a.1, Extent of Play. The EOC County Schools' Superintendent will follow their Suggested Operating Guideline (SOG) during the Exercise.

There will be no movement of buses or students.

Field agency participants

Painesville City School District
Painesville Township School District

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

Extent of Play

A representative of each police department will demonstrate Traffic and Access Control out-of-sequence, by interview at their respective stations.

Notification of rail, water and air traffic is a State function.

Field activity participants:

Painesville City Police
Mentor City Police

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

Extent of Play

Lake County EOC will demonstrate the capability to identify and take the appropriate actions in dealing with impediments to evacuation. Actual resources will not be utilized. If an impediment cannot be removed in a timely manner, the decision to reroute traffic will be discussed and implemented by the appropriate EOC Staff.

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.

Extent of Play

N/A – Lake County relies on the State of Ohio.

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.

Extent of Play

N/A – Lake County relies on the State of Ohio.

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

Extent of Play

N/A – This criterion was successfully demonstrated during the 2002 Exercise.

EVALUATION AREA 4 – FIELD MEASUREMENT AND ANALYSIS

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

Extent of Play

Lake County General Health District will demonstrate the use of two Field Monitoring Teams (FMTs), in sequence.

Prior to the exercise and at the Lake County EOC, a DHS (FEMA) evaluator will review contents of the FMT vehicles; an equipment inventory list will be provided to the evaluator to verify availability of supplies and equipment. At the conclusion of the equipment review, all seals will be replaced in order to indicate that all required supplies and equipment are contained within.

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

Extent of Play

Lake County Health District will demonstrate the use of two Field Monitoring Teams (FMTs), in sequence.

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.

Extent of Play

For the exercise, expired silver zeolite cartridges will be used; new cartridges will be available for the DHS evaluator's observation.

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

Extent of Play

N/A - Lake County relies on the State of Ohio

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

Extent of Play

N/A - Lake County relies on the State of Ohio

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 off-site emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include:

1. Identification of the state or local government organization and the official with the authority for providing the alert signal and instructional message
2. Identification of the commercial nuclear power plant and a statement that an emergency situation exists at the plant
3. Reference to REP-specific emergency information (e.g., brochures and information in telephone books) for use by the general public during an emergency
4. A closing statement asking the affected and potentially affected population to stay tuned for additional information.

Extent of Play

Upon a protective action decision (PAD) by the combined Executive Groups of Ashtabula, Geauga and Lake counties, the Lake County EOC Staff will prepare the appropriate Emergency Alert System (EAS) message and simulate sounding the sirens and sending the

message over the EAS system. A quiet siren test will be demonstrated by the Lake County EOC in lieu of an actual siren sounding.

Simulation of sending the EAS message(s) will be conducted as follows:

The procedure for the EAS encoder will be followed to deliver the message to WTAM, the Local Primary Station, with the exception that the telephone number to the station will not be dialed. By not connecting to WTAM, there is no possibility of accidentally broadcasting the message over one or more of the participating EAS stations.

The “send” button on the Lake County EAS encoder will be depressed and this action will activate the outgoing alert light and playback of the recorded message. Also, a data sheet will automatically be printed by the encoder and the time recorded on the data sheet. Ashtabula and Geauga counties have EAS equipment (encoder) and could perform this function, if necessary.

Lake County will fax a copy of the EAS message(s) to the Joint Public Information Center (JPIC) where Public Information Officers (PIOs) may distribute hard copies to the news media representatives and may, if time and circumstances permit, make an announcement regarding the message. Otherwise, the EAS message can be announced at the next scheduled press briefing or in response to news media inquiries about the PAD message. In delivering information about the EAS message just released, the counties’ PIOs may indicate that a corresponding Special News Bulletin (SNB) will be issued soon. Lake County will also fax a copy of the EAS message to Ashtabula and Geauga counties’ EOCs.

Criterion 5.a.2: (RESERVED)

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

Extent of Play

The Fairport Harbor Village Fire Department will demonstrate back-up route alerting as an out-of-sequence, prepositioned field activity. One predetermined siren located in Fairport Village will be out of service (simulated) and back-up route alerting will be conducted in the siren coverage area. Use of the mobile PA system will be simulated. The demonstration will be initiated by the exercise controller.

Field Activity Participants

Fairport Harbor Village Fire Department

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

Extent of Play

Based upon the combined PAD(s) of the Executive Groups of Ashtabula, Geauga and Lake counties, the Lake County EOC Staff will prepare and issue the appropriate EAS message(s) and the corresponding Special News Bulletin(s) (SNB). SNB's give the same message as their corresponding EAS message except SNB's provide greater detail. Lake County will FAX the SNB(s) to the Joint Public Information Center (JPIC) where one of the counties' PIOs will represent the three counties by directly proceeding to the briefing room and reading the contents of the message to the assembly of news media representatives and answering any questions pertaining to the message. This briefing should begin in a timely manner after transmission of the EAS message from the Lake County EOC to the Local Primary EAS Station. Hard copies of the SNB(s) will be distributed to the news media representatives.

Ashtabula, Lake and Geauga counties will also coordinate release of other informational and instructional message as necessary. Such messages may include Special Information Bulletins (SIB), which are a third category of prepared messages contained in the counties' "SOG for EAS Messages, Special News Bulletins, and Special Information Bulletins pertaining to the Perry Nuclear Power Plant." These SIB's are considered routine, meaning that they are to be delivered by one of the counties' PIOs at the next scheduled press briefing.

Public Inquiry Workers at the EOC will answer calls from the public.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

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

Extent of Play

Eastlake Fire Department will demonstrate the evacuee portion of this criterion out-of-sequence at North High School, Eastlake. One locker room will be fully set up and demonstrated. A walk-through of the remaining locker room will be conducted upon request. An American Red Cross representative will describe registration procedures. Set-up of care center equipment and/or supplies will be at the discretion of the American Red Cross Disaster Action Team Leader.

Six (6) monitoring demonstrations will be conducted using a portal monitor. One individual with simulated contamination will be walked through the monitoring/decontamination process, which includes whole body monitoring using a CDV-

700RP survey meter; contamination levels will be provided by a controller.
Decontamination will be simulated.

Monitoring and decontamination of evacuees' vehicles will be conducted by interview only; no actual monitoring or decontamination will take place.

Mentor Fire Department will demonstrate the emergency worker facility out-of-sequence at Mentor School District's Conditioning Center, Mentor. Two monitoring demonstrations will be conducted using a portal monitor. One individual with simulated contamination will be walked through the monitoring and decontamination process, which includes whole body monitoring using a CDV-700RP survey meter; contamination levels will be provided by a controller. Decontamination will be simulated.

Field activity participants

Eastlake Fire Department
American Red Cross
Mentor Fire Department

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

Extent of Play

One vehicle will be monitored and decontamination will be procedurally explained; no actual decontamination will take place.

Field Activity Participants

Mentor Fire Department

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

Extent of Play

The American Red Cross will demonstrate the congregate care center portion of this criterion out-of-sequence at North High School, Eastlake. American Red Cross personnel will provide a walk-through of the facility and describe their capabilities. Set-up of care center equipment or supplies will be at the discretion of the American Red Cross.

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.

Extent of Play

Perry Fire District will demonstrate this criterion in sequence with the on-site scenario. A simulated contaminated/injured victim from the Perry Power Plant will be transported to Lake East Hospital. No emergency lights and/or sirens will be used.

Dosimetry (CDV-138s) and survey instruments owned by the State of Ohio may be used in addition to that issued by the State of Ohio and the Utility.

ASHTABULA COUNTY OFF-SITE CRITERIA

**PERRY NUCLEAR POWER PLANT
PARTIAL PARTICIPATION EXERCISE**

EXTENT OF PLAY AGREEMENT

**ASHTABULA COUNTY
OHIO**

October 24, 2006

Criteria that can be re-demonstrated immediately for credit, by a decision of the evaluator, including the following: 3.a.1, 3.d.1, 3.d.2, 6.a.1, 6.b.1, 6.c.1, and 6.d.1. Criteria that may be re-demonstrated, as approved on a case-by-case basis by the Chairman of the Radiological Preparedness Coordinating Committee, include the following: 2.a.1, 2.b.1, 2.b.2, 5.a.1 and 5.b.1

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

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

Extent of Play

Ashtabula County EOC Staff will mobilize upon notification from the Ashtabula County Sheriff's Dispatch Center. Full field notification utilizing primary means of communication will be completed one time only from the EOC, at the Site Area Emergency classification.

Field agency demonstrations will be conducted out-of sequence and participants will be pre-positioned.

Field activity participants

Geneva-on-the-Lake Fire Department – Back-up Route Alerting
Traffic/Access Control at the EOC during the Exercise

- Ohio State Highway Patrol
- Ashtabula Sheriff's Department

Conneaut Fire Department – Public Monitoring/Decontamination

American Red Cross

Conneaut Middle School – Care Center

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

Extent of Play

Participating facilities other than the EOC and Sheriff's Dispatch Office will be evaluated during this exercise in order to establish a baseline. The EOC and Sheriff's Dispatch Office were evaluated during the 2002 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.

Extent of Play

Direction and control of emergency operations will be demonstrated in accordance with the exercise scenario, the Ashtabula County Radiological Emergency Response Plan,

Agency SOG and as appropriate for out-of-sequence field demonstrations.

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

Extent of Play

Primary (dedicated phone lines and commercial telephone) and secondary (radio/pagers/cell phones) means of communications will be demonstrated at the EOC and as appropriate for out-of-sequence field demonstrations. Controllers will drive field play.

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

Extent of Play

During 2003, KI was pre-distributed to the general public at designated locations by the Ohio Department of Health (ODH) through the local health department. Additional KI is stockpiled at the EOC and would be transported to the care centers and distributed by the local health department, as requested.

Dosimetry and KI have been pre-distributed to Offsite Response Organizations (OROs); the monitoring kits and dosimetry are exchanged annually by the State of Ohio. Supporting documentation is included in the Annual Letter of Certification.

The KI shelf-life has been extended; a copy of the letter from the vendor is included with the KI.

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.

Extent of Play

Ashtabula County relies on the Ohio Department of Health (ODH) for the recommendation to take KI and for the authorization to exceed Protective Action Guides. For out-of-sequence field agency demonstrations, this will be demonstrated by interview with exercise participants or by controller inject, if necessary.

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.

Extent of Play

N/A – Ashtabula County does not demonstrate this criterion. It relies on the State of Ohio for field monitoring.

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).

Extent of Play

The Ashtabula County EOC Executive Group will demonstrate this criterion in coordination with Lake and Geauga counties' Executive Groups and the State of Ohio.

The Director, or designee, of the Ohio Department of Health makes the decision for the general public and emergency workers to take KI. The ODH through the local health departments makes KI available to the general public, by pre-distribution and by supplies available for distribution at the time of the emergency at care centers.

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

Extent of Play

The Ashtabula County EOC Executive Group will demonstrate this criterion in coordination with Lake and Geauga counties' Executive Groups. Schools follow the protective action decisions for the general public; they are not considered a special population group.

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

Extent of Play

N/A – Ashtabula County relies on the State of Ohio.

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

Extent of Play

N/A – This criterion was successfully demonstrated during the 2002 Exercise.

Evaluation Area 3 – Protective Action Implementation

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

Extent of Play

The Ashtabula County EOC Radiological Officer will demonstrate radiation exposure control capabilities. Dosimetry and exposure control procedures will be demonstrated by field agencies during out-of-sequence exercise activities.

Field activity participants:

Geneva-on-the-Lake Fire Department
Conneaut Fire Department
Ashtabula County Sheriff's Department – at the EOC during the Exercise
Ohio State Highway Patrol – at the EOC during the Exercise

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

Extent of Play

The Ohio Department of Health (ODH) will make recommendations regarding the use of KI. Ashtabula County's preparedness measures for KI include pre-distribution to emergency response agencies and the general public, if they chose to pick it up at designated centers. At the time of the emergency, the agencies distribute the dosimetry and KI to the emergency workers.

If the ODH recommendation for use of KI excludes the portion of the EPZ that is in Ashtabula County, demonstration of this criterion will be facilitated by discussion with the Ashtabula County Radiological Officer at the EOC. For field agency demonstrations, KI procedures will be demonstrated by interview with exercise participants or by controller inject, if necessary.

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

Extent of Play

Notification to individuals with special needs within the Ashtabula County portion of the EPZ will be simulated. The Ashtabula County EMA maintains a list of special needs residents within the Ashtabula County portion of the EPZ. The EOC Job and Family Services Representative will coordinate special needs notification activities and, upon request, will present the confidential list for review by the DHS evaluator. At least 2 transportation providers, which in Ashtabula County are school districts, will be contacted to ensure availability of buses and drivers.

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

Extent of Play

Ashtabula County will demonstrate this Criterion at the EOC only, by the Schools' Services Officer

It was demonstrated in 2002 by the Geneva School District, the only Ashtabula County school district in the EPZ.

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

Extent of Play

A representative of the Ohio State Highway Patrol and a representative of the Ashtabula County Sheriff's Department will demonstrate Traffic and Access Control by interview at the Ashtabula EOC during the exercise.

Notification of rail, water and air traffic is a State function.

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

Extent of Play

Ashtabula County EOC will demonstrate the capability to identify and take the appropriate actions in dealing with impediments to evacuation. Actual resources will not be utilized. If an impediment cannot be removed in a timely manner, the decision process to re-route traffic will be discussed and implemented by the appropriate EOC Staff.

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.

Extent of Play

N/A – Ashtabula County relies on the State of Ohio.

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.

Extent of Play

N/A – Ashtabula County relies on the State of Ohio.

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

Extent of Play

N/A – This criterion was successfully demonstrated during the 2002 Exercise.

EVALUATION AREA 4 – FIELD MEASUREMENT AND ANALYSIS

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

Extent of Play

N/A – Ashtabula County does not demonstrate this criterion.

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

Extent of Play

N/A – Ashtabula County does not demonstrate this criterion.

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.

Extent of Play

N/A – Ashtabula County does not demonstrate this criterion.

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

Extent of Play

N/A - Ashtabula County does not demonstrate this criterion.

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

Extent of Play

N/A – Ashtabula County does not demonstrate this criterion.

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 off-site emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include:

5. Identification of the state or local government organization and the official with the authority for providing the alert signal and instructional message
6. Identification of the commercial nuclear power plant and a statement that an emergency situation exists at the plant
7. Reference to REP-specific emergency information (e.g., brochures and information in telephone books) for use by the general public during an emergency
8. A closing statement asking the affected and potentially affected population to stay tuned for additional information.

Extent of Play

Upon a protective action decision (PAD) by the combined Executive Groups of Ashtabula, Lake and Geauga counties, the Lake County EOC Staff will prepare the appropriate Emergency Alert System (EAS) message and simulate sounding the sirens and sending the message over the EAS system. A quiet siren test will be demonstrated by the Lake County EOC in lieu of an actual siren sounding.

Simulation of sending the EAS message(s) will be conducted as follows:

The procedure for the EAS encoder will be followed to deliver the message to WTAM, the Local Primary Station, with the exception that the telephone number to the station will not

be dialed. By not connecting to WTAM, there is no possibility of accidentally broadcasting the message over one or more of the participating EAS stations.

The "send" button on the Lake County EAS encoder will be depressed, and this action will activate the outgoing alert light and playback of the recorded message. Also, a data sheet will automatically be printed by the encoder and the time recorded on the data sheet. Ashtabula and Geauga counties have EAS equipment (encoder) and could provide this function if necessary.

Lake County will fax a copy of the EAS message(s) to the Joint Public Information Center (JPIC) where Public Information Officers (PIOs) may distribute hard copies to the news media representatives and may, if time and circumstances permit, make an announcement regarding the message. Otherwise, the EAS message can be announced at the next scheduled press briefing or in response to news media inquiries about the PAD message. In delivering information about the EAS message just released, the counties' PIOs may indicate that a corresponding Special News Bulletin (SNB) will be issued soon. Lake County will also fax a copy of the EAS message to Ashtabula and Geauga counties' EOC's.

Criterion 5.a.2: (RESERVED)

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

Extent of Play

Geneva-on-the-Lake Fire Department will demonstrate back-up route alerting as an out-of-sequence, pre-positioned field activity. One pre-determined siren located in Geneva-on-the-Lake will be out-of-service (simulated) and back-up route alerting will be conducted in the siren coverage area. Use of the mobile Public Address (PA) system will be simulated. The demonstration will be initiated by the exercise controller.

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

Extent of Play

Based upon the combined PAD(s) of the Executive Groups of Ashtabula, Geauga and Lake counties, the Lake County EOC Staff will prepare and issue the appropriate EAS message(s) and the corresponding Special News Bulletin(s) (SNB). SNB's give the same message as their corresponding EAS message except SNB's provide greater detail. Lake County will FAX the SNB(s) to the Joint Public Information Center (JPIC) where one of the counties' PIOs will represent the three counties by directly proceeding to the briefing

room and reading the contents of the message to the assembly of news media representatives and answering any questions pertaining to the message. This briefing should begin in a timely manner after transmission of the EAS message from the Lake County EOC to the Local Primary EAS Station. Hard copies of the SNB(s) will be distributed to the news media representatives.

Ashtabula, Geauga and Lake counties will also coordinate release of other informational and instructional message, as necessary. Such messages may include Special Information Bulletins (SIB), which are a third category of prepared messages contained in the counties' "SOG for EAS Messages, Special News Bulletins, and Special Information Bulletins pertaining to the Perry Nuclear Power Plant." These SIB's are considered routine, meaning that they are to be delivered by one of the counties' PIOs at the next scheduled press briefing.

Public Inquiry Workers at the EOC will answer calls from the public.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

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

Extent of Play

Conneaut Fire Department will demonstrate the evacuee portion of this criterion out-of-sequence at Conneaut Middle School, 230 Gateway Avenue, Conneaut, Ohio. One locker room will be fully set up and demonstrated. A walk-through of the remaining locker room will be conducted upon request. An American Red Cross representative will describe registration procedures. Set-up of care center equipment and/or supplies will be at the discretion of the American Red Cross Disaster Action Team Leader.

Six (6) monitoring demonstrations will be conducted using a portal monitor. One individual with simulated contamination will be walked through the monitoring/decontamination process, which includes whole body monitoring using a CDV-700RP survey meter; contamination levels will be provided by a controller. Decontamination will be simulated.

Monitoring and decontamination of evacuees' vehicles will be demonstrated by interview only; no actual monitoring or decontamination will take place.

Field activity participants

Conneaut Fire Department
Conneaut Middle School
American Red Cross

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

Extent of Play

N/A – Ashtabula County will not demonstrate this criterion.

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

Extent of Play

The American Red Cross will demonstrate the congregate care center portion of this criterion out-of-sequence at Conneaut Middle School, 230 Gateway Avenue, Conneaut, Ohio. American Red Cross personnel will provide a walk-through of the facility and describe their capabilities. Set-up of care center equipment or supplies will be at the discretion of the American Red Cross Disaster Action Team Leader.

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.

Extent of Play

N/A – Ashtabula County does not demonstrate this criterion.

GEAUGA COUNTY OFF-SITE CRITERIA

**PERRY NUCLEAR POWER PLANT
PARTIAL PARTICIPATION EXERCISE**

EXTENT OF PLAY AGREEMENT

**GEAUGA COUNTY
OHIO**

October 24, 2006

Criteria that can be re-demonstrated immediately for credit, by a decision of the evaluator, include the following: 3.a.1, 3.d.1, 3.d.2, 6.a.1, 6.b.1, 6.c.1 and 6.d.1. Criteria that may be re-demonstrated, as approved on a case-by-case basis by the Chairman of the Radiological Preparedness Coordinating Committee, include the following: 2.a.1, 2.b.1, 2.b.2, 5.a.1 and 5.b.1.

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

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

Extent of Play

Geauga County EOC Staff will mobilize upon notification from the Geauga County Sheriff's Dispatch Center. Full field notification utilizing primary means of communication will be completed one time only from the EOC, at the Site Area Emergency classification

Field agency demonstrations will be conducted out-of sequence and participants will be pre-positioned.

Field activity participants

Munson Fire Department – Public Monitoring & Decontamination

American Red Cross – Care Center

Traffic/Access Control at the EOC during the Exercise

- Ohio State Highway Patrol
- Geauga County Sheriff's Office

Ledgemont School District

Notre Dame Cathedral Latin High School – Care Center

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

Extent of Play

Participating facilities will be evaluated during this exercise in order to establish a baseline.

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.

Extent of Play

Direction and control of emergency operations will be demonstrated in accordance with the exercise scenario, the Geauga County Radiological Emergency Response Plan,

Agency SOG and as appropriate for out-of-sequence field demonstrations.

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

Extent of Play

Primary (dedicated phone lines and commercial telephone) and secondary (radio/pagers/cell phones) means of communications will be demonstrated at the EOC and as appropriate for out-of-sequence field demonstrations. Controllers will drive field play.

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

Extent of Play

During 2003, KI was pre-distributed to the general public at designated locations by the Ohio Department of Health (ODH) through the local health department. Additional KI is stockpiled at the EOC and would be transported to the care centers by the local health department and distributed by the local health department, as requested.

Dosimetry and KI have been pre-distributed to Offsite Response Organizations (OROs); the monitoring kits and dosimetry are exchanged annually by the State of Ohio. Supporting documentation is included in the Annual Letter of Certification.

The KI shelf-life has been extended; a copy of the letter from the vendor is included with the KI.

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.

Extent of Play

Geauga County relies on the Ohio Department of Health (ODH) for the recommendation to take KI and for the authorization to exceed Protective Action Guides. For out-of-sequence field agency demonstrations, this will be demonstrated by interview with exercise participants or by controller inject, if necessary.

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.

Extent of Play

N/A – Geauga County does not demonstrate this criterion; it relies on the State of Ohio for field monitoring.

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).

Extent of Play

The Geauga County EOC Executive Group will demonstrate this criterion in coordination with Lake and Ashtabula counties' Executive Groups and the State of Ohio.

The Director, or designee, of the Ohio Department of Health (ODH) makes the decision for the general public and emergency workers to take KI. The ODH through the local health department makes KI available to the general public, by pre-distribution and by supplies available for distribution at the time of the emergency at care centers.

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

Extent of Play

The Geauga County EOC Executive Group will demonstrate this criterion in coordination with Lake and Ashtabula counties' Executive Groups. Schools follow the protective action decisions for the general public; they are not considered a special population group.

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

Extent of Play

N/A – Geauga County relies on the State of Ohio.

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

Extent of Play

N/A – This criterion was successfully demonstrated during the 2002 Exercise.

EVALUATION AREA 3 – PROTECTIVE ACTION IMPLEMENTATION

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

Extent of Play

The Geauga County EOC Radiological Officer will demonstrate radiation exposure control capabilities. Dosimetry and exposure control procedures will be demonstrated by field agencies during out-of-sequence exercise activities.

Field activity participants:

Munson Fire Department
Ledgemont School District – Transportation only
Ohio State Highway Patrol – at the EOC during the Exercise
Gauga County Sheriff's Office – at the EOC during the Exercise

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

Extent of Play

The Ohio Department of Health (ODH) will make recommendations regarding the use of KI. Geauga County's preparedness measures for KI include pre-distribution to emergency response agencies and to the general public, if they chose to pick it up at designated centers. At the time of the emergency, the agencies distribute the dosimetry and KI to the emergency workers. If the ODH recommendation for use of KI excludes the portion of the EPZ that is in Geauga County, demonstration of this criterion may be facilitated by discussion with the Geauga County Radiological Officer at the EOC. For field agency demonstrations, KI procedures will be demonstrated by interview with exercise participants or by controller inject, if necessary.

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

Extent of Play

Notification to individuals with special needs within the Geauga County portion of the EPZ will be simulated. A list of special needs residents within the Geauga County portion of the EPZ is maintained by the Geauga County Department of Emergency Services (DES). The Fire/EMS Officer at the EOC will coordinate special needs notification activities and, upon request, will present the confidential list for review by the DHS evaluator. At least 2 transportation providers, which in Geauga County include school districts, will be contacted to ensure availability of buses and drivers.

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

Extent of Play

The school district will demonstrate this criterion out-of-sequence, by interview with the superintendent, high school principal, transportation supervisor and a bus operator. School officials follow the protective action decisions made by the elected officials for the general public.

The use of dosimetry and KI will be discussed with transportation personnel only. There will be no movement of buses or students.

The EOC County Schools' Superintendent will follow their Suggested Operating Guideline (SOG) during the Exercise.

Field activity participants

Ledgemont School District

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

Extent of Play

A representative of the Ohio State Highway Patrol and a representative of the Geauga County Sheriff's Office will demonstrate Traffic and Access Control by interview at the Geauga County EOC during the exercise.

Notification of rail, water and air traffic is a State function.

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

Extent of Play

Geauga County EOC will demonstrate the capability to identify and take the appropriate actions in dealing with impediments to evacuation. Actual resources will not be utilized. If an impediment cannot be removed in a timely manner, the decision to reroute traffic will be discussed and implemented by the appropriate EOC staff.

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.

Extent of Play

N/A – Geauga County relies on the State of Ohio.

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.

Extent of Play

N/A – Geauga County relies on the State of Ohio.

EVALUATION AREA 4 – FIELD MEASUREMENT AND ANALYSIS

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

Extent of Play

N/A – Geauga County does not demonstrate this criterion.

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

Extent of Play

N/A – Geauga County does not demonstrate this criterion.

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.

Extent of Play

N/A – Geauga County does not demonstrate this criterion.

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

Extent of Play

N/A – Geauga County does not demonstrate this criterion.

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

Extent of Play

N/A – Geauga County does not demonstrate this criterion.

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 off-site emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include:

9. Identification of the state or local government organization and the official with the authority for providing the alert signal and instructional message
10. Identification of the commercial nuclear power plant and a statement that an emergency situation exists at the plant
11. Reference to REP-specific emergency information (e.g., brochures and information in telephone books) for use by the general public during an emergency
12. A closing statement asking the affected and potentially affected population to stay tuned for additional information.

Extent of Play

Upon a protective action decision (PAD) by the combined Executive Groups of Ashtabula, Lake and Geauga counties, the Lake County EOC Staff will prepare the appropriate Emergency Alert System (EAS) message and simulate sounding the sirens and sending the message over the EAS system. A quiet siren test will be demonstrated by the Lake County EOC in lieu of an actual siren sounding.

Simulation of sending the EAS message(s) will be conducted as follows:

The procedure for the EAS encoder will be followed to deliver the message to WTAM, the Local Primary Station, with the exception that the telephone number to the station will not be dialed. By not connecting to WTAM, there is no possibility of accidentally broadcasting the message over one or more of the participating EAS stations. The "send" button on the Lake County EAS encoder will be depressed, and this action will activate the outgoing alert light and playback of the recorded message. Also, a data sheet will automatically be printed by the encoder and the time recorded on the data sheet. Ashtabula and Geauga counties have EAS equipment (encoder) and could perform this function, if necessary.

Lake County will fax a copy of the EAS message(s) to the Joint Public Information Center (JPIC) where Public Information Officers (PIOs) may distribute hard copies to the news media representatives and may, if time and circumstances permit, make an announcement regarding the message. Otherwise, the EAS message can be announced at the next scheduled press briefing or in response to news media inquiries about the PAD message. In delivering information about the EAS message just released, the counties' PIOs may indicate that a corresponding Special News Bulletin (SNB) will be issued soon. Lake County will also fax a copy of the EAS message to Ashtabula and Geauga counties' EOCs.

Criterion 5.a.2: (RESERVED)

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

Extent of Play

N/A – The Thompson Volunteer Fire Department, the only Geauga County department with this responsibility, successfully demonstrated back-up route alerting during the 2004 Evaluated Exercise.

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

Extent of Play

Based upon the combined PAD(s) of the Executive Groups of Ashtabula, Geauga and Lake counties, the Lake County EOC Staff will prepare and issue the appropriate EAS message(s) and the corresponding Special News Bulletin(s) (SNB). SNB's give the same message as their corresponding EAS message except SNB's provide greater detail. Lake County will FAX the SNB(s) to the Joint Public Information Center (JPIC) where one of the counties' PIOs will represent the three counties by directly proceeding to the briefing room and reading the contents of the message to the assembly of news media

representatives and answering any questions pertaining to the message. This briefing should begin in a timely manner after transmission of the EAS message from the Lake County EOC to the Local Primary EAS Station. Hard copies of the SNB(s) will be distributed to the news media representatives.

Ashtabula, Geauga and Lake counties will also coordinate release of other informational and instructional message as necessary. Such messages may include Special Information Bulletins (SIB), which are a third category of prepared messages contained in the counties' "SOG for EAS Messages, Special News Bulletins, and Special Information Bulletins pertaining to the Perry Nuclear Power Plant." These SIB's are considered routine, meaning that they are to be delivered by one of the counties' PIOs at the next scheduled press briefing.

Public Inquiry Workers at the EOC will answer calls from the public.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

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

Extent of Play

Munson Fire Department will demonstrate the evacuee portion of this criterion out-of-sequence at Notre Dame Cathedral Latin School, 13000 Auburn Road, Munson Township. One locker room will be fully set up and demonstrated. A walk-through of the remaining locker room will be conducted upon request. An American Red Cross representative will describe registration procedures. Set-up of care center equipment and/or supplies will be at the discretion of the American Red Cross Disaster Action Team Leader.

Six (6) monitoring demonstrations will be conducted using a portal monitor. One individual with simulated contamination will be walked through the monitoring/decontamination process, which includes whole body monitoring using a CDV-700RP survey meter; contamination levels will be provided by a controller. Decontamination will be simulated.

Monitoring and decontamination of evacuees' vehicles will be demonstrated by interview only; no actual monitoring or decontamination will take place.

Field activity participants

Munson Fire Department
American Red Cross

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

Extent of Play

N/A – Geauga County will not demonstrate this criterion.

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

Extent of Play

The American Red Cross will demonstrate the congregate care center portion of this criterion out-of-sequence at Notre Dame Cathedral Latin School, 13000 Auburn Road, Munson Township. American Red Cross personnel will provide a walk-through of the facility and describe their capabilities. Set-up of care center equipment or supplies will be at the discretion of the American Red Cross Disaster Action Team Leader.

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.

Extent of Play

N/A – Geauga County does not demonstrate this criterion.

OCTOBER 24, 2006 PERRY NUCLEAR POWER PLANT EXERCISE SCENARIO

Date Time	PNPP Key Events and Actions	Ohio Response	County and Local Agencies Response
10/24/06 0730	Initial conditions are established. In-sequence exercise commences.		
10/24/06 0745	The Simulator Control Room receives a call that the brake has failed on the Fuel Handling Building (FHB) bridge. A hanging bundle has dropped impacting surrounding spent fuel assemblies. Bubbles were seen escaping from the impacted fuel and the FHB evacuation alarm is sounding. The FHB was evacuated the fuel was not placed in a safe condition.		
10/24/06 0755	Contaminated Injured Person - A Plant worker receives a partial thickness laceration to his right forearm while exiting the Bridge Crane in the Fuel Handling Building.		(L) Perry Joint Fire District responds to PNPP. (L) Medical Services (MS-1) Transportation – Perry Fire District personnel at PNPP receive from PNPP fire brigade personnel a contaminated/injured patient and demonstrate handling, care and transport of the patient to Lake East Hospital.
10/24/06 0800	An Alert is declared due to high radiation in the Fuel Handling Building. Notifications to the State and counties are made. The Technical Support Center and the Operations Support Center are activated. The PIRT (Public Information Response Team), an activity co-located with the EOF, will be activated at this time. The PIRT will function until the JPIC becomes operational.	The Ohio State Highway Patrol receives the notification and notifies select State agencies and staff. Ohio EMA partially activates the State EOC in Columbus. Ohio EMA simulates dispatch of Ohio National Guard (ONG) helicopter to deliver state assessment personnel to the EOF and PI personnel to the JPIC. (These personnel are prepositioned.) Ohio EMA notifies ONG, who then dispatch personnel to the three counties' EOCs. Ohio EMA simulates dispatch of representatives to the counties' EOCs. (These personnel are prepositioned.).	The Sheriffs' Departments or the Lake/Geauga/Ashtabula counties' EMAs receive the notification. Per procedures, select EOC Staff report to their respective EOCs and commence assigned duties. (L) Lake County will place a call to the Common Program Control Station (WTAM) and place them on stand-by. (L) Two Lake County General Health District Field Monitoring Teams are assembled at the Lake County Emergency Operations Center and, when ready, may be dispatched to field locations.

OCTOBER 24, 2006 PERRY NUCLEAR POWER PLANT EXERCISE SCENARIO

Date Time	PNPP Key Events and Actions	Ohio Response	County and Local Agencies Response
10/24/06 0900		If the JPIC is activated, the State PIO begins coordinating releases of information to news media at the JPIC with PIOs of participating agencies upon their arrival at the JPIC.	(L) The Perry Fire District transports the patient to Medical Services (MS-1) Facilities – Lake East Hospital, where ER personnel demonstrate decontamination and care of the patient. If the EOF is activated, Lake County may send a representative there. If the JPIC is activated, the counties may send their PIOs to commence with public information duties there.
10/24/06 0930	A RWCU line break occurs in the Steam Tunnel.		
10/24/06 0935	1G33F001/F004 Containment Isolation valve lose control power and do not go closed.		
10/24/06 0940	A manual reactor scram is initiated – 19 control rods do not completely insert.		
10/24/06 0935	The Motor Feed Pump and Reactor Feed Pump B trip causing a loss of feed.		
10/24/06 0955 (cont'd.)		<p>ODH and ODA make an initial recommendation for livestock and poultry.</p> <p>Consolidated Railways (CONRAIL) and Norfolk & Southern Railways are notified to restrict rail traffic in the 10-Mile EPZ. (Simulated)</p> <p>Federal Aviation Administration (FAA) is notified to restrict air traffic in the 10-Mile EPZ. (Simulated)</p> <p>Communication links are established among the State EOC, the EOF (State's Liaison), and the JPIC (State's PIO); back-up communication would be provided by the Communications Van (not participating in this exercise).</p>	<p>Traffic Control points are planned and coordinated in EOCs. (Interviews with Sheriff's Dept/Office and Ohio State Highway Patrol in Ashtabula and Geauga EOCs.)</p> <p>(L) Lake County Field Monitoring Teams, if not already in field locations, are dispatched to appropriate field locations.</p> <p>Monitoring/decontamination teams, once assembled and ready may move to assigned locations (Simulated, see out-of-sequence play).</p> <p>EOCs demonstrate the ability and the availability of the resources necessary to effect evacuation of the special needs population.</p> <p>Public Inquiry Hotlines in the EOCs begin receiving calls.</p>

OCTOBER 24, 2006 PERRY NUCLEAR POWER PLANT EXERCISE SCENARIO

Date Time	PNPP Key Events and Actions	Ohio Response	County and Local Agencies Response
10/24/06 0955 (cont'd.)		<p>State's two Field Monitoring Teams would begin demonstration of procedures related to field movements. State Representative in Lake County EOC would direct the teams to appropriate locations (Simulated). (The State's FMTs are not participating in this exercise.)</p> <p>Public Inquiry begins receiving calls.</p>	<p>Care Center personnel report to assigned care centers (simulated; see out-of-sequence play).</p>
10/24/06 1045	Safety Relief Valve leakage.		
10/24/06 1140	A small break Loss Of Coolant Accident (LOCA) in the drywell occurs – 4,000 R/hr in the drywell.		
10/24/06 1200	<p>The event classification should be escalated to a GENERAL EMERGENCY per EPI-A1.</p> <p>Based on a wind direction of 310° the General Emergency default recommendation of EVACUATION out to 2 miles 360° and down wind out to 5 miles (Subareas 1, 2, 3 and Lake) should be recommended.</p>	<p>State Assessment team receives notification of the General Emergency and takes the utility's recommendations under advisement. The team formulates the State's protective action recommendation, obtains the Governor's (or designated representative in EOC) approval and informs the counties of the Governor's recommendations via the EDL</p> <p>Appropriate officials/agencies/media are informed of the change in classification.</p> <p>The ODH Sample Screening Point at Ledgesmont Elementary School, Thompson Twp., will be simulated – it is not participating in this exercise.</p> <p>State Assessment Team begins continuous monitoring of emergency workers exposure.</p>	<p>Counties' Executive Groups are notified of the GENERAL EMERGENCY and the utility's protective action recommendations. The counties' Executive Groups deliberate over the EDL.</p> <p>Counties simulate notifications to all field agencies.</p> <p>A Protective Action Decision is coordinated with the three counties and the State via the EDL.</p> <p>(L) Lake County assembles an EAS message, simulates the sounding of sirens, and delivers the message to WTAM radio station. WTAM simulates broadcast over the air.</p> <p>(L) Lake County transmits a copy of the EAS message to the JPIC, State EOC, EOF, and the other two counties.</p> <p>Care centers are fully activated. (Simulated; see out-of-sequence play.)</p> <p>Monitoring /decon stations/care centers are activated, if not already activated. (Simulated, see out-of-sequence play).</p>

OCTOBER 24, 2006 PERRY NUCLEAR POWER PLANT EXERCISE SCENARIO

Date Time	PNPP Key Events and Actions	Ohio Response	County and Local Agencies Response
10/24/06 1315	<p>PNPP makes a second Protective Action Recommendation based on a wind shift.</p> <p>A wind speed change from 8.0 mph to 6.0 mph occurs which should result in the issuance of a revised offsite protective action recommendation (PAR) by the Perry Plant to recommend EVACUATION out to 5 miles 360° and down wind out to 10 miles (Subareas 1, 2, 3, 4, 5, 6 and Lake).</p>	The State Assessment Team receives a new protective action recommendation from PNPP.	<p>The 3 counties receive the new protective action recommendation from PNPP. They discuss the new PAR with the State and arrive at a second Protective Action Decision.</p> <p>(L) Lake County assembles an EAS message, simulates the sounding of sirens, and delivers the message to WTAM radio station. WTAM simulates broadcast over the air.</p> <p>(L) Lake County transmits a copy of the EAS message to the State EOC, JPIC, EOF, and the other two counties.</p>
10/24/06 1430	The release is isolated due to repairs and closure of the containment isolation valve (1G33F0004).		
10/24/06 ~1430 - 1500	The release plume has dissipated. PNPP terminates Emergency Phase. On-site recovery discussions begin.		
10/24/06 ~1430 - 1500		State of Ohio terminates Emergency Phase of the exercise.	Ashtabula, Geauga, and Lake counties terminate the Emergency Phase of the exercise.