



FEMA

January 26, 2016

Mr. Don Tailleart
U.S. NRC
Office of Nuclear Security and Incident Response
11555 Rockville Pike, Mail Stop T3B46M
Rockville, MD 20852

Dear Mr. Tailleart:

Enclosed please find a copy of the Final After Action Report/Improvement Plan for the Full Participation Exercise for the 10-Mile Emergency Planning Zone (EPZ) around the Robert E. Ginna Nuclear Power Plant held on April 28, 2015. Also included in the report are the evaluations of 11 Out-of-Sequence drills and demonstrations held in the 2-year cycle associated with this exercise.

New York State and local governments successfully demonstrated the capability to implement their off-site radiological emergency response plans and procedures, based on the evaluation of this exercise by the FEMA Region II Regional Assistance Committee and a team of Federal evaluators.

No Level 1 Findings were identified as a result of this exercise. There was one new Level 2 Finding and one Planning Issue identified. The Level 2 Finding and planning issue were corrected following the exercise.

Four prior planning issues from the previous exercise were corrected. Therefore, we find that State and local preparedness is adequate to protect the health and safety of the public living in the vicinity of the Robert E. Ginna Nuclear Power Plant and there is reasonable assurance that appropriate measures can be taken offsite in the event of a radiological emergency.

If you have any questions regarding this matter, please contact me at 212-680-8507.

Respectfully,

A handwritten signature in dark ink, appearing to read "David Musick".

David Musick
RAC Chair
FEMA Region II

Enc.



Robert E. Ginna Nuclear Power Plant
After Action Report/
Improvement Plan

Exercise Date – April 28, 2015

Radiological Emergency Preparedness (REP) Program



FEMA

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Robert E. Ginna Nuclear Power Plant After Action Report/Improvement Plan

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Contents

Executive Summary	3
Section 1: Exercise Overview	5
1.1 Exercise Details	5
1.2 Exercise Planning Team Leadership	5
1.3 Participating Organizations	6
Section 2: Exercise Design Summary	9
2.1 Exercise Purpose and Design	9
2.2 Exercise Objectives, Capabilities and Activities	10
2.3 Scenario Summary	10
Section 3: Analysis of Capabilities	12
3.1 Exercise Evaluation and Results	13
3.2 Summary Results of Exercise Evaluation	13
3.3 Criteria Evaluation Summaries	19
3.3.1 New York Jurisdictions	19
3.3.1.1 New York State Emergency Operations Center	19
3.3.1.2 New York State Warning Point	19
3.3.1.3 New York State Accident Assessment	19
3.3.1.4 New York State - Traffic Control Point - New York State Police	19
3.3.1.5 Ginna Joint Information Center	19
3.3.1.6 R.E. Ginna Emergency Alert System - WHAM	19
3.3.2 Risk Jurisdictions	19
3.3.2.1 Ginna Emergency Operations Facility	19
3.3.2.2 Monroe County Emergency Operations Center	19
3.3.2.3 Monroe County Accident Assessment	19
3.3.2.4 Monroe County Warning Point	19

3.3.2.5 Monroe County Field Monitoring Team A	19
3.3.2.6 Monroe County Field Monitoring Team B	19
3.3.2.7 Monroe County - General Population Reception Center - Pittsford-Mendon High School	29
3.3.2.8 Monroe County - Traffic Control Point - Monroe County Sheriff's Department	19
3.3.2.9 Monroe County - Traffic Control Point - Webster Police Department	19
3.3.2.10 Monroe County - Special Population Bus Company - RTS-Access	19
3.3.2.11 Monroe County - Backup Route Alerting	19
3.3.2.12 Monroe County - Medical Services Hospital - Rochester General Hospital	19
3.3.2.13 Monroe County - Medical Services Transport - Rural Metro	19
3.3.2.14 Wayne County Emergency Operations Center	19
3.3.2.15 Wayne County Accident Assessment	19
3.3.2.16 Wayne County Warning Point	19
3.3.2.17 Wayne County Field Monitoring Team Red	19
3.3.2.18 Wayne County Field Monitoring Team Blue	19
3.3.2.19 Wayne County - Medical Services Hospital - Newark Community Hospital	19
3.3.2.20 Wayne County - Medical Service Transport - Williamson Ambulance	19
3.3.2.21 Wayne County - Backup Route Alerting	19
3.3.2.22 Wayne County - School Interview - Wayne Central School District	19
3.3.2.23 Wayne County - School Interview - Freewill Elementary School	19
3.3.2.24 Wayne County - School Interview - Ontario Elementary School	19
3.3.2.25 Wayne County - School Interview - Wayne Central Middle School	19
3.3.2.26 Wayne County - School Interview - Wayne Senior High School	19
3.3.2.27 Wayne County - School Interview - Williamson Central School District	19

3.3.2.28	Wayne County - Special Population Bus Company - Wayne Area Transport Service	19
3.3.2.29	Wayne County - School Bus Company - Wayne Central School District	19
3.3.2.30	Wayne County - School Interview - Williamson Elementary School	19
3.3.2.31	Wayne County - School Interview - Williamson Middle School	19
3.3.2.32	Wayne County - School Interview - Williamson Senior High School	19
3.3.2.33	Wayne County - General Population Bus Company - Wayne Area Transportation Service	19
3.3.2.34	Wayne County - Traffic Control Point - Wayne County Sheriff's Department	19
3.3.2.35	Wayne County - School Bus Company - Williamson Central School District	19
Section 4: Conclusion		26
Appendix A: Exercise Timeline		27
Appendix B: Exercise Evaluators and Team Leaders		29
Appendix C: Acronyms		31

EXECUTIVE SUMMARY

On April 28, 2015, a full-scale plume exercise was conducted in the 10-mile plume exposure pathway, emergency planning zone (EPZ) around the Robert E. Ginna Nuclear Power Station by the Federal Emergency Management Agency (FEMA), Region II. The purpose of the exercise and the out-of-sequence demonstrations was to assess the level of State and local preparedness in responding to a radiological emergency. The exercise and out-of-sequence demonstrations were held in accordance with FEMA's policies and guidance concerning the exercise of State and local radiological emergency response plans (RERP) and procedures.

The most recent prior full-scale exercise at this site was conducted on September 17, 2013. The qualifying emergency preparedness exercise was conducted on January 21, 1982.

FEMA wishes to acknowledge the efforts of the many individuals in the State of New York and the risk jurisdictions of Monroe and Wayne Counties who were evaluated at this exercise. Protecting the public health and safety is the full-time job of some of the exercise participants and an additional assigned responsibility for others. Still others have willingly sought this responsibility by volunteering to provide vital emergency services to their communities. Cooperation and teamwork of all the participants were evident during this exercise.

This report contains the final evaluation of the biennial exercise and the evaluation of the following out-of-sequence activities:

WHAM - EAS: April 29, 2015

Monroe County:

RTS-Access - PDAFN Transportation Interview: May 13, 2015

Rochester General Hospital - MS-1 Drill: March 6, 2015

Rural Metro Emergency Services - MS-1 Drill: March 6, 2015

Pittsford-Mendon High School - Reception Center Drill: June 25, 2015

Wayne County:

East Williamson Fire Department - Route Alerting: May 14, 2015

Newark-Wayne Community Hospital - MS-1 Drill: July 25, 2014

WATS Bus Company - Bus Drivers' Interview: May 13, 2015

Wayne Central School District - School Bus Drivers' Interview: May 14, 2015

Wayne Central School District - School Officials' Interview: May 14, 2015

Williamson Ambulance Corp. - MS-1 Drill: July 25, 2014

William School Bus - School Bus Drivers' Interview: May 14, 2015

Williamson School District - School Officials' Interview: May 14, 2015

The State and local organizations except where noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. No Deficiencies were identified as a result of this exercise. There was one new Level 2 and one

Planning Issue identified. The Level 2 and planning issue were corrected. There were four prior planning issues from the previous exercise that were corrected.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Plume 2015-04-28

Type of Exercise

Plume

Exercise Date

April 28, 2015

Program

Department of Homeland Security/FEMA Radiological Emergency Preparedness Program

Scenario Type

Minimal or No Release

1.2 Exercise Planning Team Leadership

William Cullen

Technological Hazards

FEMA Region II

26 Federal Plaza

New York, NY, 10278

(212) 680-8505

william.cullen@fema.dhs.gov

Christopher Cammarata

Federal Planning Team Lead

FEMA Region II Emergency Management Specialist

26 Federal Plaza

New York, NY, 10278

(212) 680-3684

christopher.cammarata@fema.dhs.gov

Theodore Fisch

NYSOEM Section Chief

NYSOEM

1200 Washington Ave, Building 22

New York, NY, 12226
(518) 292-2308
theodore.fisch@dhses.ny.gov

Charles Wright
Radiological Emergency Preparedness Planner
NYS Division of Homeland Security & EMS
333 East Washington Street
Syracuse, NY, 13202
(315) 428-4572
charles.wright@dhses.ny.gov

Anthony Verno
Utility Lead Planner
Exelon
4424 Lake Road
Williamson, NY, 14589
(315) 591-0124
anthony.verno@exeloncorp.com

1.3 Participating Organizations

Agencies and organizations of the following jurisdictions participated in the Robert E. Ginna Nuclear Power Plant exercise:

State Jurisdictions

New York State Public Service Commission
New York State Department of Agriculture
New York State Department of Corrections and Community Supervision
New York State Department of Environmental Conservation
New York State Department of Family Services
New York State Department of Health
New York State Department of Labor
New York State Department of Mental Health
New York State Department of Transportation
New York State Disaster Preparedness Commission
New York State Division of Criminal Justice Services
New York State Division of Homeland Security and Emergency Services
New York State Division of Military and Naval Affairs
New York State Energy Research and Development Authority
New York State Office for the Aging
New York State Office of Children and Family Services
New York State Office of Emergency Management

New York State Office of Fire Prevention and Control
New York State Office of Information Technology Services
New York State Parks Recreation and Historic Preservation
New York State Police
New York State Thruway
New York State Office for Persons with Developmental Disabilities
New York State Office of General Services
New York State Office of Temporary and Disability Assistance

Risk Jurisdictions

Monroe Community College
Monroe County 911
Monroe County Communications
Monroe County Department of Agriculture & Markets
Monroe County Department of Human Services
Monroe County Department of Information Services
Monroe County Department of Public Health
Monroe County Department of Transportation
Monroe County Emergency Medical Services
Monroe County Environmental Services
Monroe County Fire Bureau
Monroe County Geographic Information System
Monroe County Law Department
Monroe County Office of Aging
Monroe County Office of Emergency Management
Monroe County Office of the Executive
Monroe County Probation Department
Monroe County Public Safety Department
Monroe County Pure Waters
Monroe County Security
Monroe County Sheriff's Office
Monroe County Water Authority
Wayne County 911
Wayne County Behavioral Health
Wayne County Board of Legislators
Wayne County Clerk
Wayne County Department of Agriculture and Markets
Wayne County Department of Mental Health
Wayne County Department of Public Health
Wayne County Department of Public Safety
Wayne County Department of Public Works
Wayne County Department of Social Services
Wayne County Emergency Management
Wayne County Emergency Medical Services
Wayne County Fire Coordinator

Wayne County Highway Department
Wayne County Office of the Aging
Wayne County Public Information Office
Wayne County School District
Wayne County Sheriff's Office
Wayne County Water Authority

Support Jurisdictions

City of Rochester Department of Environmental Services
City of Rochester Emergency Communications - 911
City of Rochester Fire Department
City of Rochester Police Department
Town of Webster Police Department
Webster Central School District

Private Organizations

Amateur Radio Volunteers
American Red Cross
Bechtel Marine Propulsion Corporation
Civil Air Patrol
Exelon Corporation
Frontier Telephone
Humane Society
Paychex Inc.
Radio Amateur Civil Emergency Service
Regional Transit Service
Rochester Gas & Electric
State University of New York
Wegmans
Xerox Corporation

Federal Organizations

Department of Energy, Naval Reactors Laboratory Field Office
Federal Bureau of Investigation
Federal Emergency Management Agency
United States Coast Guard
United States Department of Agriculture

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The DHS/FEMA Region II Office evaluated the exercise on April 28, 2015 to assess the capabilities of the local emergency preparedness organizations in implementing their Radiological Emergency Response Plans and Procedures to protect the public health and safety during a radiological emergency involving Robert E. Ginna Nuclear Power Plant (Ginna). The purpose of this report is to present the results of the findings on the performance of the offsite response organizations during a simulated radiological emergency.

2.2 Exercise Objectives, Capabilities and Activities

Capabilities-based planning allows for exercise planning teams to develop exercise objectives and observe exercise outcomes through a framework of specific action items that were derived from the Core Capabilities List. The capabilities listed below form the foundation for the organization of all FEMA Region II REP Program objectives and observations in this exercise.

Environmental Response/Health and Safety

Description: Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.

Mass Care Services

Description: Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies.

Operational Communications

Description: Ensure the capacity for timely communications in support of security, situational awareness, and operations by any and all means available, among and between affected communities in the impact area and all response forces.

Operational Coordination

Description: Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.

Planning

Description: Conduct a systematic process engaging the whole community as appropriate in the development of executable strategic, operational, and/or tactical-level approaches to meet defined objectives.

Public Health, Healthcare, and Emergency Medical Services

Description: Provide lifesaving medical treatment via Emergency Medical Services and related operations and avoid additional disease and injury by providing targeted public health, medical, and behavioral health support, and products to all affected populations.

Public Information and Warning

Description: Deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard, as well as the actions being taken and the assistance being made available, as appropriate.

Situational Assessment

Description: Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response.

Additionally, each capability is linked to several corresponding activities and tasks to provide additional detail. Exercise objectives and Capabilities/REP Criteria selected to be exercise are discussed in the Ginna Exercise Plan, Rev. 6 September 3, 2013 (found in Appendix E).

2.3 Scenario Summary

The 2015 Emergency Preparedness Plume Exercise simulated an accident resulting in the activation of on-site and offsite facilities. The Exercise involved events that tested the effectiveness of the R. E. Ginna site Emergency Preparedness Program and the response capabilities of the State of New York, Monroe County, and Wayne County emergency organizations. The Exercise included the mobilization of state and local resources adequate to verify their capability to respond to an emergency at the R.E Ginna Nuclear Power Plant.

Emergency Action Levels/PAR Summary:

Unusual Event Declaration (~0830)

- EAL HU2.1 Fire not extinguished within 15 min. of Control Room notification or verification of a Control Room fire alarm in safe shutdown area or turbine building (Fire in Containment)

Staffing of identified TSC positions

ALERT Declaration (~0905)

- EAL HA2.1 Fire or explosion resulting in EITHER:

Visible damage to ANY safety-related structure, system, or component within ANY Safe Shutdown Area OR Control Room indication of degraded performance of ANY safety-related structure, system, or component within ANY Safe Shutdown Area

Staffing of OSC, TSC, EOF, and JIC required

SAE Declaration (~1045)

- EAL FS1.1 Loss or potential loss of ANY two barriers R-29/R-30 >100 R/hr

GE Declaration (~1145)

- EAL FG1.1 Loss of ANY two barriers AND Loss or potential loss of the third barrier
Containment pressure rise followed by unexplained pressure drop resulting in a rise in plant ventilation monitors (R-10, R-13, and R-14)

PAR (Wind direction from 65 degrees)

- Evacuate W (1, 2, and W-Lake), M (1 and M-Lake) and implement the KI plan.

All remaining ERPAs to monitor and prepare

Initial Scenario Forecast:

A seasonably mild day is on tap, with light cloud cover. Air temperature is expected to climb to the somewhere in the mid to low 40s Fahrenheit by late day.

Winds will be approximately 12 mph from the north east (from 65 degrees) throughout the day

Release Meteorological Conditions:

During the period of release (1130 to exercise termination), the meteorological conditions are as follows:

Wind Direction (from): 65 degrees

Wind Speed: 12

Stability Class: C

Precipitation: None

Radiological Assumptions:

Release Description: The drill scenario includes a simulated radiological release to the atmosphere. The release is the result of a monitored release to the environment from the Ginna Plant Vent Stack. The leakage path is from RCS to containment through an unknown leak into the Aux Building and through the Plant Vent Stack. The simulated duration of the release will be from 1130 hours to exercise termination.

Survey Team Data: Survey team data are provided on maps and numerical tables that account for plume arrival times.

Integrated Offsite Doses Due to Plume Exposure

SECTION 3: ANALYSIS OF CAPABILITIES

3.3.5 Evaluated Jurisdictions

In summary, the status of DHS/FEMA criteria for evaluated organizations is as follows:

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: NONE
- c. PLAN ISSUES: NONE
- d. PRIOR ISSUES – RESOLVED: NONE
- e. PRIOR ISSUES – UNRESOLVED: NONE

3.1 Exercise Evaluation and Results

Contained in this section are the results and findings of the evaluation of all jurisdictions and locations that participated in the April 28, 2015, biennial Radiological Emergency Preparedness (REP) exercise. The exercise was held to test the offsite emergency response capabilities of local governments in the 10-mile Emergency Planning Zone (EPZ) surrounding the Robert E. Ginna Nuclear Power Plant. Each jurisdiction and functional entity was evaluated on the basis of its demonstration of the exercise evaluation area criteria contained in the REP Exercise Evaluation Methodology.

Language and definitions for evaluated observations and issues during REPP exercises as follows:

- Level 1 Finding: An observed or identified inadequacy of organizational performance in an exercise that could cause a determination 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 (NPP).
- Level 2 Finding: An observed or identified inadequacy of organizational performance in an exercise that is not considered, by itself, to adversely impact public health and safety.
- Plan Issue: An observed or identified inadequacy in the offsite response organizations' (ORO's) emergency plan/implementing procedures, rather than that of the ORO's performance.

3.2 Summary Results of Exercise Evaluation

The matrix presented in Table 3.1 on the following page, presents the status of all exercise evaluation area criteria that were scheduled for demonstration during this exercise by all participating jurisdictions and functional entities. Exercise criteria are listed by number and the demonstration status is indicated by the use of the following letters:

M - Met (No Level 1 Finding or Level 2 Finding assessed and no unresolved Level 2 Finding from prior exercise)
L1 - Level 1 Finding assessed
L2 - Level 2 Finding assessed or unresolved Level 2 Finding from previous exercise
P - Planning Issue
N - Not Demonstrated

Tables 3.1 - Summary of Exercise Evaluation
Table 3.1a - Exercise Evaluation by Classification

Date: 4/28/2015 Site: Robert E. Ginna Nuclear Power Plant			
Location Abbreviation	Criteria Title	Criteria	Classification
MC MST RM	Transportation and Treatment of Contaminated Injured Individuals	6d1	P
Wayne MSH NCH	Transportation and Treatment of Contaminated Injured Individuals	6d1	L2

Table 3.1b – Exercise Evaluation – Criteria Met

Date: 4/28/2015 Site: Robert E. Ginna Nuclear Power Plant		
Location Abbreviation	Criteria Title	Criteria
G EOF	Dose Assessment & PARs & PADs for the Emergency Event	2b1
G EOF	Emergency Worker Exposure Control	2a1
G EOF	Communications Equipment	1d1
G EOF	Facilities	1b1
G EOF	Mobilization	1a1
G EOF	Equipment and Supplies to Support Operations	1e1
G JIC	Emergency Information and Instructions for the Public and the Media	5b1
G JIC	Activation of the Prompt Alert and Notification System	5a1
G JIC	Communications Equipment	1d1
G JIC	Direction and Control	1c1
G JIC	Mobilization	1a1
G JIC	Equipment and Supplies to Support Operations	1e1
MC AA	Plume Phase Field Measurement and Analyses	4a2
MC AA	Dose Assessment & PARs & PADs for the Emergency Event	2b1
MC AA	Emergency Worker Exposure Control	2a1
MC AA	Equipment and Supplies to Support Operations	1e1
MC BRA	Activation of the Prompt Alert and Notification System	5a3
MC EOC	Emergency Information and Instructions for the Public and the Media	5b1
MC EOC	Activation of the Prompt Alert and Notification System	5a3
MC EOC	Activation of the Prompt Alert and Notification System	5a1
MC EOC	Implementation of Traffic and Access Control	3d2
MC EOC	Implementation of Traffic and Access Control	3d1
MC EOC	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2

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Robert E. Ginna Nuclear Power Plant

MC EOC	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1
MC EOC	Implementation of KI Decision for Institutionalized Individuals	3b1
MC EOC	PADs for the Protection of persons with disabilities and access/functional needs	2c1
MC EOC	Dose Assessment & PARs & PADs for the Emergency Event	2b2
MC EOC	Communications Equipment	1d1
MC EOC	Direction and Control	1c1
MC EOC	Mobilization	1a1
MC EOC	Equipment and Supplies to Support Operations	1e1
MC FMTA	Plume Phase Field Measurement and Analyses	4a3
MC FMTA	Implementation of Emergency Worker Exposure Control	3a1
MC FMTA	Equipment and Supplies to Support Operations	1e1
MC FMTA	Communications Equipment	1d1
MC FMTA	Mobilization	1a1
MC FMTB	Plume Phase Field Measurement and Analyses	4a3
MC FMTB	Implementation of Emergency Worker Exposure Control	3a1
MC FMTB	Equipment and Supplies to Support Operations	1e1
MC FMTB	Communications Equipment	1d1
MC FMTB	Mobilization	1a1
MC GPRC PMHS	Monitoring, Decontamination, and Registration of Evacuees	6a1
MC GPRC PMHS	Implementation of KI Decision for Institutionalized Individuals	3b1
MC GPRC PMHS	Implementation of Emergency Worker Exposure Control	3a1
MC GPRC PMHS	Facilities	1b1
MC MSH RGH	Transportation and Treatment of Contaminated Injured Individuals	6d1
MC MSH RGH	Implementation of Emergency Worker Exposure Control	3a1
MC MST RM	Transportation and Treatment of Contaminated Injured Individuals	6d1
MC MST RM	Implementation of Emergency Worker Exposure Control	3a1
MC SPBC RTS-A	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1
MC SPBC RTS-A	Implementation of Emergency Worker Exposure Control	3a1
MC SPBC RTS-A	Equipment and Supplies to Support Operations	1e1
MC TCP MCSD	Implementation of Traffic and Access Control	3d1
MC TCP MCSD	Implementation of Emergency Worker Exposure Control	3a1
MC TCP MCSD	Equipment and Supplies to Support Operations	1e1
MC TCP WPD	Implementation of Traffic and Access Control	3d1
MC TCP WPD	Implementation of Emergency Worker Exposure Control	3a1
MC TCP WPD	Equipment and Supplies to Support Operations	1e1
MC WP	Communications Equipment	1d1
MC WP	Mobilization	1a1
NYSAA	Dose Assessment & PARs & PADs for the Emergency Event	2b1
NYSAA	Emergency Worker Exposure Control	2a1

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Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Robert E. Ginna Nuclear Power Plant

NYSAA	Equipment and Supplies to Support Operations	1e1
NYSEOC	Emergency Information and Instructions for the Public and the Media	5b1
NYSEOC	Activation of the Prompt Alert and Notification System	5a1
NYSEOC	Implementation of KI Decision for Institutionalized Individuals	3b1
NYSEOC	Dose Assessment & PARs & PADs for the Emergency Event	2b2
NYSEOC	PADs for the Protection of persons with disabilities and access/functional needs	2c1
NYSEOC	Equipment and Supplies to Support Operations	1e1
NYSEOC	Communications Equipment	1d1
NYSEOC	Direction and Control	1c1
NYSEOC	Mobilization	1a1
NYSEOC	Mobilization	1a1
NYS TCP NYSP	Implementation of Traffic and Access Control	3d1
NYS TCP NYSP	Implementation of Emergency Worker Exposure Control	3a1
NYS TCP NYSP	Equipment and Supplies to Support Operations	1e1
NYS WP	Communications Equipment	1d1
NYS WP	Mobilization	1a1
REG EAS WHAM	Emergency Information and Instructions for the Public and the Media	5b1
REG EAS WHAM	Activation of the Prompt Alert and Notification System	5a1
REG EAS WHAM	Communications Equipment	1d1
Wayne AA	Plume Phase Field Measurement and Analyses	4a2
Wayne AA	Dose Assessment & PARs & PADs for the Emergency Event	2b1
Wayne AA	Emergency Worker Exposure Control	2a1
Wayne AA	Equipment and Supplies to Support Operations	1e1
Wayne BRA	Activation of the Prompt Alert and Notification System	5a3
Wayne BRA	Implementation of Emergency Worker Exposure Control	3a1
Wayne EOC	Emergency Information and Instructions for the Public and the Media	5b1
Wayne EOC	Activation of the Prompt Alert and Notification System	5a3
Wayne EOC	Activation of the Prompt Alert and Notification System	5a1
Wayne EOC	Implementation of Traffic and Access Control	3d2
Wayne EOC	Implementation of Traffic and Access Control	3d1
Wayne EOC	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne EOC	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1
Wayne EOC	Implementation of KI Decision for Institutionalized Individuals	3b1
Wayne EOC	PADs for the Protection of persons with disabilities and access/functional needs	2c1
Wayne EOC	Dose Assessment & PARs & PADs for the Emergency Event	2b2

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After Action Report/Improvement Plan

Robert E. Ginna Nuclear Power Plant

Wayne EOC	Communications Equipment	1d1
Wayne EOC	Direction and Control	1c1
Wayne EOC	Mobilization	1a1
Wayne EOC	Equipment and Supplies to Support Operations	1e1
Wayne FMT B	Plume Phase Field Measurement and Analyses	4a3
Wayne FMT B	Implementation of Emergency Worker Exposure Control	3a1
Wayne FMT B	Communications Equipment	1d1
Wayne FMT B	Mobilization	1a1
Wayne FMT B	Equipment and Supplies to Support Operations	1e1
Wayne FMT R	Plume Phase Field Measurement and Analyses	4a3
Wayne FMT R	Implementation of Emergency Worker Exposure Control	3a1
Wayne FMT R	Equipment and Supplies to Support Operations	1e1
Wayne FMT R	Communications Equipment	1d1
Wayne FMT R	Mobilization	1a1
Wayne GPBC WATS	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1
Wayne GPBC WATS	Implementation of Emergency Worker Exposure Control	3a1
Wayne GPBC WATS	Equipment and Supplies to Support Operations	1e1
Wayne MSH NCH	Transportation and Treatment of Contaminated Injured Individuals	6d1
Wayne MSH NCH	Implementation of Emergency Worker Exposure Control	3a1
Wayne SBC WCD	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SBC WCD	Implementation of Emergency Worker Exposure Control	3a1
Wayne SBC WCD	Equipment and Supplies to Support Operations	1e1
Wayne SBC Williamson CSD	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SBC Williamson CSD	Implementation of Emergency Worker Exposure Control	3a1
Wayne SBC Williamson CSD	Equipment and Supplies to Support Operations	1e1
Wayne SI FES	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SI FES	Equipment and Supplies to Support Operations	1e1
Wayne SI OES	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SI OES	Equipment and Supplies to Support Operations	1e1
Wayne SI Wayne CSD	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SI Wayne CSD	Equipment and Supplies to Support Operations	1e1
Wayne SI WES	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SI WES	Equipment and Supplies to Support Operations	1e1

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Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Robert E. Ginna Nuclear Power Plant

Wayne SI WMS	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SI WMS	Equipment and Supplies to Support Operations	1e1
Wayne SI WSHS	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
Wayne SI WSHS	Equipment and Supplies to Support Operations	1e1
Wayne SPBC WATS	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1
Wayne SPBC WATS	Implementation of Emergency Worker Exposure Control	3a1
Wayne SPBC WATS	Equipment and Supplies to Support Operations	1e1
Wayne TCP WCSD	Implementation of Traffic and Access Control	3d1
Wayne TCP WCSD	Implementation of Emergency Worker Exposure Control	3a1
Wayne TCP WCSD	Equipment and Supplies to Support Operations	1e1
Wayne WP	Communications Equipment	1d1
Wayne WP	Mobilization	1a1
WC MST WA	Transportation and Treatment of Contaminated Injured Individuals	6d1
WC MST WA	Implementation of Emergency Worker Exposure Control	3a1
WC SI Wayne SHS	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
WC SI WayneSHS	Equipment and Supplies to Support Operations	1e1
WC SI Williamson CSD	Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2
WC SI Williamson CSD	Equipment and Supplies to Support Operations	1e1

3.3 Criteria Evaluation Summaries

3.3.1 State Jurisdictions

- 3.3.1.1 New York State Emergency Operations Center**
- 3.3.1.2 New York State State Warning Point**
- 3.3.1.3 New York State Accident Assessment**
- 3.3.1.4 New York State Traffic Control Point - New York State Police**
- 3.3.1.5 R.E. Ginna Joint Information Center**
- 3.3.1.6 R.E. Ginna Emergency Alert System - WHAM**

3.3.2 Risk Jurisdictions

- 3.3.2.1 Ginna Emergency Operations Facility**
- 3.3.2.2 Monroe County - Emergency Operations Center**
- 3.3.2.3 Monroe County - Monroe County Accident Assessment**
- 3.3.2.4 Monroe County - Warning Point**
- 3.3.2.5 Monroe County - Field Monitoring Team A**
- 3.3.2.6 Monroe County - Field Monitoring Team B**
- 3.3.2.7 Monroe County - General Population Reception Center - Pittsford Mendon High School**
- 3.3.2.8 Monroe County - Traffic Control Point - Monroe County Sheriff Department**
- 3.3.2.9 Monroe County - Traffic Control Point - Webster Police Department**
- 3.3.2.10 Monroe County - Special Population Bus Company - RTS Access**
- 3.3.2.11 Monroe County - Backup Route Alerting**
- 3.3.2.12 Monroe County - Medical Services Hospital - Rochester General**
- 3.3.2.13 Monroe County - Medical Services Transport - Rural Metro**
- 3.3.2.13 Monroe County Warning Point**
- 3.3.2.14 Wayne County Emergency Operations Center**
- 3.3.2.15 Wayne County Accident Assessment**
- 3.3.2.16 Wayne County Warning Point**
- 3.3.2.17 Wayne County - Field Monitoring Team Red**
- 3.3.2.18 Wayne County - Field Monitoring Team Blue**
- 3.3.2.19 Wayne County - Medical Services Hospital - Newark Community Hospital**
- 3.3.2.20 Wayne County - Medical Service Transport - Williamson Ambulance**
- 3.3.2.21 Wayne County - Backup Route Alerting**
- 3.3.2.22 Wayne County - School Interview - Williamson Central School District**
- 3.3.2.23 Wayne County - School Interview - Freewill Elementary School**
- 3.3.2.24 Wayne County - School Interview - Ontario Elementary School**
- 3.3.2.25 Wayne County - School Interview - Wayne Central Middle School**
- 3.3.2.26 Wayne County - School Interview - Wayne Senior High School**
- 3.3.2.27 Wayne County - School Bus Company - Williamson Central School District**
- 3.3.2.28 Wayne County - Special Population Bus Company - Wayne Area Transportation Service**
- 3.3.2.29 Wayne County - School Bus Company - Wayne Central School District**
- 3.3.2.30 Wayne County - School Interview - Williamson Elementary School**

- 3.3.2.31 Wayne County - School Interview - Williamson Middle School
3.3.2.32 Wayne County - School Interview Williamson Senior High School
3.3.2.33 Wayne County General Population Bus Company - Wayne Area
Transport Service
3.3.2.34 Wayne County - Traffic Control Point - Wayne County Sheriff's
Department
3.3.2.35 Wayne County - School Bus Company - Williamson Central
School District

In summary, the status of DHS/FEMA criteria for the Risk jurisdiction is as follows:

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: NONE

LOCATION: Wayne County – Medical Services Hospital – Newark Community Hospital

ISSUE NO: 27-15-6d1-L2-01

CONDITION:

On July 25, 2014, during a MS-1 drill at Newark Wayne Community Hospital, the Hospital RSO was not available to participate in the exercise. By necessity, the hospital made a call to the Wayne County Emergency Management Office to obtain a trained individual to perform monitoring activities. By procedure, this is a viable option. However, the approved scenario, on page 7, states that "all radiological surveying and support will be performed by the Nuclear Medicine staff."

CORRECTIVE ACTION DEMONSTRATED:

After the exercise, the Wayne County Radiological Officer conducted six training sessions with hospital staff. A total of 76 employees participated in the training. The training consisted of familiarization of the radiological emergency response plans for both the hospital and the County. Copy of the plans, the presentation, and the attendance records were submitted to the RAC Chair on June 9, 2015.

- c. PLAN ISSUES:

LOCATION: Monroe County - Medical Services Transport - Rural Metro

ISSUE NO: 27-15-6d1-P-01

CRITERION: Transportation and Treatment of Contaminated Injured Individuals

CONDITION: In accordance with the Rural Metro procedures the Emergency Medical Technicians (EMTs) assume anyone coming out to the EPZ is contaminated and act accordingly. However, the Monroe County plan, page K-43-44, Attachment 5C, implies that in responding to a potentially contaminated person, the person will be both treated and surveyed for contamination prior to transporting to the hospital. While they successfully

CORRECTIVE ACTION DEMONSTRATED:

Monroe County updated the Radiological Emergency Preparedness Plan (Revision 10/18/15) and it supersedes all previous editions. Procedure K in the updated plan clearly identifies that "EMS Agencies do not have radiation monitoring equipment issued to them" and "all patients will be assumed to be contaminated and will be handled accordingly." It also states that "radiological monitoring will be conducted by qualified personnel at the designated receiving medical facility."

d. **PRIOR ISSUES – RESOLVED:**

LOCATION: Wayne County – Emergency Operations Center - Wayne County Emergency Operations Center

ISSUE NO: 27-13-3a1-P-01

CONDITION:

At Newark-Wayne Community Hospital, the responsible nurse had difficulty zeroing dosimeters because a battery was left in the dosimeter charger and it was too weak to light the bulb that illuminates the scale. She also had difficulty because she only expected one 0-500 mR dosimeter and, when she encountered two, she was not sure which DRD to issue and where to place them.

CORRECTIVE ACTION DEMONSTRATED:

On July 25, 2014, the Wayne County representative, acting as the RSO, had no difficulty using the revised procedure to prepare and issue dosimetry.

LOCATION: Wayne County – Emergency Operations Center

ISSUE NO: 27-13-1e1-P-02

CONDITION:

The Wayne County EOC has a large quantity of 65mg Thyrosafe Potassium Iodide (KI) tablets with an expiration date of 2/2017 located in a storage room within the EOC. However, the Wayne County Radiological Emergency Preparedness Plan only refers to 130mg Iosat Potassium Iodide tablets for distribution to Emergency Workers and the general public. The plan states that "currently there is no FDA-approved 65mg dosage of the drug". In addition, throughout the document it states that emergency workers will take (1) KI Tablet without specifying the dose.

CORRECTIVE ACTION DEMONSTRATED:

As of exercise day, the Wayne County Radiological Emergency Preparedness Plan Rev. 18 - 1/2/15 partly corrected the issue that was noted in the previous exercise, however not throughout the entire plan. One example can be found in Procedure 5, Section F, page HD-7.

On August 7, 2015, Wayne County sent a revised plan to the FEMA Region II office. In the Wayne County Radiological Emergency Preparedness Plan Rev. 18.2, references to the ingestion of one 130mg Iosat Potassium Iodide tablets for distribution to Emergency Workers and the general public were removed. The plan references ingestion of KI only. Proper dosage is identified in Appendix H (NYS FACT SHEET FOR POTASSIUM IODIDE (KI) AND DOSAGES) and on KI packaging.

LOCATION: R.E. Ginna Emergency Alert System - WHAM

ISSUE NO: 27-13-5a1-P-03

CONDITION:

The EAS Station WHAM had an outdated copy of the Radiological Emergency Preparedness Plan (REPP) dated July 2011. The plan was documented as being received on January 5, 2012. The current Radiological Emergency Preparedness Response Plan (REPRP), an Annex to the Monroe County Comprehensive Radiological Emergency Management Plan, is dated July 2013. This revision supersedes all previous editions.

CORRECTIVE ACTION DEMONSTRATED:

On August 18, 2014, the FEMA Region II RAC Chair received an email from Monroe County's Emergency Preparedness Administrator documenting that Monroe County delivered to WHAM a copy of the 2013 Monroe County Radiological Emergency Preparedness Response Plan along with a letter containing information and procedures for emergency events at the Ginna Nuclear Power Plant. The letter was dated July 25, 2014.

LOCATION: R.E. Ginna Emergency Alert System - WHAM

ISSUE NO: 27-13-5a1-P-04

CONDITION:

EAS Station WHAM staff did not know how the EAS Station would be activated if an emergency occurred at the Ginna Nuclear Power Plant site after WHAM normal business hours. EAS Station WHAM no longer operates 24

hours a day. Staff are at WHAM from approximately 0530 to 2000. After that the station broadcasts pre-recorded script programs to air throughout the night.

CORRECTIVE ACTION DEMONSTRATED:

Wayne County updated the Radiological Emergency Preparedness Plan (Rev. 18.1) to include a contacting the radio station after hours. The R. E. Ginna Joint Information Plan, Rev. 04.07.2015 was also updated to include exception situations like an immediate General Emergency.

e. PRIOR ISSUES – UNRESOLVED: NONE

SECTION 4: CONCLUSION

Based on the results of the exercise, the offsite radiological emergency response plans and preparedness for the State of New York and the affected local jurisdictions of Monroe and Wayne counties are deemed adequate to provide reasonable assurance that appropriate measures can be taken to protect the health and safety of the public in the event of a radiological emergency. Therefore, 44 CFR Part 350 approval of the offsite radiological emergency response plans and preparedness for the State of New York site-specific to the Ginna Nuclear Power Plant will remain in effect.

APPENDIX A: EXERCISE TIMELINE

DATE: 4/28/2015, SITE: Robert E. Ginna Nuclear Power Plant

Facility: Robert E. Ginna Nuclear Power Plant	
Emergency Classification Level or Event	Time Utility Declared
Unusual Event	8030
Alert	0901
Site Area Emergency	1036
General Emergency	1137
Simulated Rad. Release Started	1149
Simulated Rad. Release Terminated	ONGOING

Location: NYSEOC	
Emergency Classification Level or Event	Time Utility Declared
Unusual Event	0830
Alert	0901
Site Area Emergency	1036
General Emergency	1137
Simulated Rad. Release Started	1149
Simulated Rad. Release Terminated	ONGOING
Facility Declared Operational	1000
Wayne County State of Emergency	1100
Monroe County State of Emergency	1100
Governor Declaration of State of Emergency	1100
Exercise Terminated	1405
Early Precautionary	0940

Location: G JIC	
Emergency Classification Level or Event	Time Utility Declared
Unusual Event	N/A
Alert	0905
Site Area Emergency	1050
General Emergency	1151
Simulated Rad. Release Started	1151
Simulated Rad. Release Terminated	1151

APPENDIX B: EXERCISE EVALUATORS AND TEAM LEADERS

DATE: 4/28/2015, SITE: Robert E. Ginna Nuclear Power Plant

LOCATION	TEAM LEADER	AGENCY
Ginna Emergency Operations Facility	Marcy Campbell	ICFI
Ginna Joint Information Center	Bridgett Ahlgrim Russell Fox Lee Torres	FEMA HQ FEMA Region 2 FEMA Region 3
Monroe County - Backup Route Alerting	Ed Golinski	FEMA Region 5
Monroe County - General Population Reception Center - Pittsford-Mendon High School	Samuel Nelson Dave Petta	ICFI
Monroe County - Medical Services Hospital - Rochester General Hospital	Bart Ray	ICFI
Monroe County - Medical Services Transport - Rural Metro	Samuel Nelson	ICFI
Monroe County - Special Population Bus Company - RTS-Access	* Chris Cammarata	FEMA Region 2
Monroe County - Traffic Control Point - Monroe County Sheriff's Department	Michele Sturman	FEMA Region 2
Monroe County - Traffic Control Point - Webster Police Department	Michele Sturman	FEMA Region 2
Monroe County Accident Assessment	Daryl Thome	ICFI
Monroe County Emergency Operations Center	Ed Golinski John Rice Mabel Santiago Alberto Sifuentes Barbra Thomas	FEMA Region 5 FEMA Region 1 FEMA Region 2 FEMA Region 9 FEMA Region 1
Monroe County Field Monitoring Team A	Korkean Dulgerian	FEMA Region 2
Monroe County Field Monitoring Team B	Ronald Biernacki	ICFI
Monroe County Warning Point	Helen LaForge	FEMA Region 1
New York State Accident Assessment	Michael Henry	ICFI
New York State Emergency Operations Center	*Laura Forrest Todd Gemske Brian Kennedy	FEMA Region 2 FEMA Region 5 FEMA Region 1
New York State Traffic Control Point - New York State Police	Patricia Mason	FEMA Region 10
New York State Warning Point	Brian Kennedy	FEMA Region 1
R.E. Ginna Emergency Alert System - WHAM	Bridget Ahlgrim	FEMA HQ
Wayne County - Backup Route Alerting	Brian Hasemann	FEMA Region 2

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Robert E. Ginna Nuclear Power Plant

Wayne County - General Population Bus Company - Wayne Area Transportation Service	*Chris Cammarata	FEMA Region 2
Wayne County - Medical Service Transport - Williamson Ambulance	Chris Cammarata	FEMA Region 2
Wayne County - Medical Services Hospital - Newark Community Hospital	Korkean Dulgerian	FEMA Region 2
Wayne County - School Bus Company - Wayne Central School District	Patricia Mason	FEMA Region 2
Wayne County - School Bus Company - Williamson Central School District	Mabel Santiago	FEMA Region 2
Wayne County - School Interview - Freewill Elementary School	Patricia Mason	FEMA Region 2
Wayne County - School Interview - Ontario Elementary School	Patricia Mason	FEMA Region 2
Wayne County - School Interview - Wayne Central Middle School	Mabel Santiago	FEMA Region 5
Wayne County - School Interview - Wayne Central School District	Patricia Mason	FEMA Region 2
Wayne County - School Interview - Wayne Senior High School	Patricia Mason	FEMA Region 2
Wayne County - School Interview - Williamson Elementary School	Mabel Santiago	FEMA Region 2
Wayne County - School Interview - Williamson Middle School	Mabel Santiago	FEMA Region 2
Wayne County - School Interview - Williamson Senior High School	Mabel Santiago	FEMA Region 2
Wayne County - Special Population Bus Company - Wayne Area Transport Service	Chris Cammarata	FEMA Region 2
Wayne County - Traffic Control Point - Wayne County Sheriff's Department	Joseph Suders	FEMA Region 3
Wayne County Accident Assessment	Joseph Keller	ICFI
Wayne County Emergency Operations Center	Brad DeKorte George Hogan iii Taneeka Hollins Sharron McDuffie Robert Swartz	FEMA Region 6 FEMA Region 2 FEMA Region 1 FEMA Region 7 FEMA Region 1
Wayne County Field Monitoring Team Blue	Martin Vyenielo	FEMA Region 3
Wayne County Field Monitoring Team Red	Michael DeBonis	FEMA Region 2
Wayne County Warning Point	Miriam Weston	FEMA Region 2

APPENDIX C: ACRONYMS AND ABBREVIATIONS

Acronym	Description
ED	Electronic Dosimeter
EMD	Emergency Management Director
EMO	Emergency Management Office
EMS	Emergency Medical Service
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPZ	Emergency Planning Zone
ERPA	Emergency Response Planning Area
EW	Emergency Workers
EWPMC	Emergency Worker Personnel Monitoring Center
FEMA	Federal Emergency Management Agency
FMT	Field Management Team
FMTC	Field Monitoring Team Coordinator
FTC	Field Team Coordinator
FTP	File Transfer Protocol
GE	General Emergency
GIS	Geographic Information Systems
GNPP	Ginna Nuclear Power Plant
GNPS	Ginna Nuclear Power Station
GPS	Global Positioning System
HF	High Frequency
ICP	Incident Command Post
IPAWS	Integrated Public Alert Warning System
JIC	Joint Information Center
MCC	Monroe Community College
MCECD	Monroe County Emergency Communications Department
MCEMD	Monroe County Emergency Management Director
MCEOC	Monroe County Emergency Operations Center
MCFD	Monroe County Fire Department
MCREP	Monroe County Radiological Emergency Preparedness Plan
MCSOG	Monroe County Standard Operating Guide
MCWP	Monroe County Warning Point
NFO	Nuclear Facility Operator
NHMAP	Nursing Home Mutual Aid Plan
NPP	Nuclear Power Plant
NY	New York

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Robert E. Ginna Nuclear Power Plant

NYS	New York State
NYSEO	New York State Emergency Operations Center
NYSP	New York State Police
ORO	Offsite Response Organizations
OSLD	Optically Stimulated Luminescent Dosimeter
PAD	Protective Action Decisions
PAG	Protective Action Guidelines
PAR	Protective Action Recommendation
PI	Public Information
PIO	Public Information Officer
PMC	Personnel Monitoring Center
PPE	Personal Protective Equipment
PRD	Personal Record Dosimeter
RACES	Radio Amateur Communication Emergency Service
REA	Radiological Exposure Area
RECS	Radiological Emergency Communication System
RED	Radiological Emergency Data
REP	Radiological Emergency Preparedness
RERC	Radiological Exposure Record Card
RGH	Rochester General Hospital
RO	Radiological Officer
RSO	Radiation Safety Officer
SAE	Site Area Emergency
SEOC	State Emergency Operations Center
SMS	Short Message Service
SPDS	Safety Parameter Display System
SRD	Self-Reading Dosimeters
TEDE	Total Effective Dose Equivalent
URI	Unified RASCAL Interface
WATS	Wayne Area Transit System
WCEOC	Wayne County Emergency Operations Center
WCSD	Wayne Central School District
WSDSC	Webster School District Schools Coordinator