



Robert E Ginna Nuclear Power Plant 2022 -Plume Phase Exercise

R.E. Ginna Nuclear Power Plant – New York

Plume Phase Exercise

Radiological Emergency Preparedness Program

After-Action Report/Improvement Plan

August 30, 2022



FEMA

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Executive Summary

On August 30, 2022, a Post 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 July 13, 2022, the postponement exercise rescheduled from July 2021. 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.

Protecting the public health 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 by all the participants were evident during this exercise.

The state and local organizations except where, noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. There were no Level 1 or level 2 Findings identified because of this exercise. There were no Planning Issues identified.

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

May 5, 2022	Medical Service Drill – Newark Wayne Hospital
May 5, 2022	Medical Service Drill Transport – Williamson Volunteer Ambulance Service
August 30, 2022	Mobilization
August 30, 2022	Communications Equipment
August 30, 2022	Equipment and Supplies
August 30, 2022	Activation of the Prompt Alert and Notification System
August 30, 2022	Emergency Information and Instructions for the Public and the Media
August 31, 2022	Traffic and Access Control (Monroe County) Sherriff's Department
August 31, 2022	Traffic and Access Control (Monroe County) Webster Police Department
August 31, 2022	EAS Station - WHAM
August 31, 2022	Wayne County EOC – Observation of Notification

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January 10, 2023	Monroe County – Webster Central School District Bus Drivers
January 11.2023	Monroe County – Rochester Transit Services- General Population Bus Company
January 11, 2023	Monroe County – Rochester Transit Service Access – Disability and Access and Function Needs (DANF)

Section 1: Exercise Overview

Exercise Name	Robert E Ginna 2022 - Plume
Exercise Dates	August 30, 2022
Scope	This exercise is a Biennial Plume Phase Exercise, planned for August 30, 2022, at R.E. Ginna Nuclear Power Plant - NY. Exercise play is limited to New York.
Mission Area(s)	Protection, Recovery, Response
Core Capabilities	Access Control and Identity Verification, Critical Transportation, Environmental Response/Health and Safety, Health and Social Services, Housing, Mass Care Services, Natural and Cultural Resources, On-scene Security, Protection, and Law Enforcement, Operational Communications, Operational Coordination, Planning, Public Health, Healthcare, and Emergency Medical Services, Public Information and Warning, Situational Assessment
Objectives	Alert and Notification; Detect, Measure, Sample, Analyze, and Assess; Emergency Operations Management; Exposure Control; Operate
Threat or Hazard	Hazard
Scenario	<p>0805 Conditions met for an Alert due to Loss of Offsite Power causes reactor trip. Emergency diesel generator alpha fails to start. Vital busses being supplied from EDG Bravo. No radiological release.</p> <p>0945 Conditions met for a Site Area Emergency due to EDG Bravo trips offline. No power to vital busses. No radiological release.</p> <p>1100 Containment penetration fails. Unmonitored, unfiltered, radiological release in progress.</p> <p>1115 Conditions met for a General Emergency Ginna Emergency response is notified that EDG Bravo repairs will take 5 hours. Not a rapidly progressing severe accident. Radiological release continues.</p> <p>1150 Onsite EndEx.</p> <p>1155 Significant increase in radiological release.</p> <p>TBD State/Local EndEx dependent on completion of all required evaluation criterion.</p>

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Exercise Name	Robert E Ginna 2022 - Plume
Sponsor	NONE
Participating Organizations	See appendix for full list of participating organizations.

Section 2: Analysis of Capabilities

2.1 Summary Results of Assessment

Table 1 below includes the assessment activity objectives, capability targets, selected core capabilities, and status of each capability target evaluated during the Robert E Ginna 2022 Exercise.

Each jurisdiction and functional entity were evaluated based on the demonstration of core capabilities and capability targets. Capability targets are listed, and the demonstration status of those capability targets are indicated using the following terms:

- **Met (M):** The jurisdiction or functional entity performed all activities under the objective/capability target to the level required per the work plan and/or the extent-of-play agreement, with no Level 1 or Level 2 Findings evaluated under that objective/capability target during the current activity and no unresolved prior Level 2 Finding(s).
- **Level 1 Finding (L1):** An observed or identified inadequacy of organizational performance during an assessment activity 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 NPP.
- **Level 2 Finding (L2):** An observed or identified inadequacy of organizational performance during an assessment activity that is not considered, by itself, to adversely impact public health and safety.
- **Plan Issue (P):** An observed or identified inadequacy in the ORO's emergency plan/implementing procedures, rather than in that of the ORO's performance.
- **Not Demonstrated (N):** For a justifiable reason, the jurisdiction or functional entity did not perform assessment activities under the objective/capability target as specified in the extent-of-play agreement.
- **Not Applicable (N/A):** The objective/capability target does not apply to the jurisdiction.

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Table 1. Summary Results of Capability Targets

Venue	Target	Core Capability	Status
Objective 1: Emergency Operations Management			
Ginna EOF - Emergency Operations Facility	1.1	Planning, Operational Coordination	M
Monroe County Warning Point - Warning Point	1.1	Planning, Operational Coordination	M
Wayne County EOC - Risk County EOC	1.1	Planning, Operational Coordination	M
Monroe County FMT B - Field Monitoring Team	1.1	Planning, Operational Coordination	M
Wayne County Warning Point - Warning Point	1.1	Planning, Operational Coordination	M
Wayne County FMT A - Field Monitoring Team	1.1	Planning, Operational Coordination	M
Monroe County FMT A - Field Monitoring Team	1.1	Planning, Operational Coordination	M
Wayne County FMT B - Field Monitoring Team	1.1	Planning, Operational Coordination	M
Ginna EOF - Joint Information Center	1.1	Planning, Operational Coordination	M
Monroe County EOC - Risk County EOC	1.1	Planning, Operational Coordination	M
Wayne County FMT B - Field Monitoring Team	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M

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Wayne County EOC - Risk County EOC	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Wayne County FMT A - Field Monitoring Team	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Monroe County FMT A - Field Monitoring Team	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Ginna EOF - Joint Information Center	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Wayne County Accident Assessment - County Accident Assessment	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M

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Monroe County FMT B - Field Monitoring Team	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Monroe Count Accident Assessment - County Accident Assessment	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Ginna EOF - Emergency Operations Facility	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Monroe County EOC - Risk County EOC	1.2	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Mass Care Services, Public Health, Healthcare, and Emergency Medical Services, Situational Assessment	M
Wayne County Accident Assessment - County Accident Assessment	1.3	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M
Wayne County EOC - Risk County EOC	1.3	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M
Monroe Count Accident Assessment - County Accident Assessment	1.3	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M

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Monroe County EOC - Risk County EOC	1.3	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M
Ginna EOF - Emergency Operations Facility	1.3	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M
Wayne County EOC - Risk County EOC	1.4	Planning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Situational Assessment	M
Monroe County EOC - Risk County EOC	1.4	Planning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Situational Assessment	M
Wayne County EOC - Risk County EOC	1.5	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Health and Social Services, Housing, Natural and Cultural Resources	M
Monroe County EOC - Risk County EOC	1.5	Planning, Public Information and Warning, Operational Coordination, Critical Transportation, Environmental Response/Health and Safety, Health and Social Services, Housing, Natural and Cultural Resources	M
Objective 2 : Exposure Control			
Wayne County Accident Assessment - County Accident Assessment	2.1	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M
Monroe Count Accident Assessment - County Accident Assessment	2.1	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M
Ginna EOF - Emergency Operations Facility	2.1	Planning, Operational Coordination, Environmental Response/Health and Safety, Situational Assessment	M

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Newark Wayne Community Hospital - Medical Services - Hospital	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Wayne County FMT A - Field Monitoring Team	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe County FMT A - Field Monitoring Team	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Wayne County Sheriff - Traffic and Access Control Points	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Wayne County FMT B - Field Monitoring Team	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe County FMT B - Field Monitoring Team	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe County TCP/ACP - Traffic and Access Control Points Webster Police Department	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe County Sheriff - Traffic and Access Control Points	2.2	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Objective 3 : Alert and Notification			
Ginna EOF - Emergency Operations Facility	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Monroe Count Accident Assessment - County Accident Assessment	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Monroe County FMT B - Field Monitoring Team	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Wayne County Warning Point - Warning Point	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M

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Wayne County FMT B - Field Monitoring Team	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Wayne County Accident Assessment - County Accident Assessment	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Monroe County Warning Point - Warning Point	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Ginna EOF - Joint Information Center	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Monroe County FMT A - Field Monitoring Team	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Wayne County FMT A - Field Monitoring Team	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
EAS Station WHAM - Emergency Alert Radio System	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Wayne County EOC - Risk County EOC	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Monroe County EOC - Risk County EOC	3.1	Planning, Operational Coordination, Operational Communications, Situational Assessment	M
Monroe County EOC - Risk County EOC	3.2	Planning, Public Information and Warning	M
EAS Station WHAM - Emergency Alert Radio System	3.2	Planning, Public Information and Warning	M
Wayne County EOC - Risk County EOC	3.2	Planning, Public Information and Warning	M
Ginna EOF - Joint Information Center	3.3	Planning, Public Information and Warning	M

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Wayne County EOC - Risk County EOC	3.3	Planning, Public Information and Warning	M
Monroe County EOC - Risk County EOC	3.3	Planning, Public Information and Warning	M
Objective 4 : Detect, Measure, Sample, Analyze, and Assess			
Wayne County FMT A - Field Monitoring Team	4.1	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe County FMT A - Field Monitoring Team	4.1	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Wayne County Accident Assessment - County Accident Assessment	4.1	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Wayne County FMT B - Field Monitoring Team	4.1	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe County FMT B - Field Monitoring Team	4.1	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Monroe Count Accident Assessment - County Accident Assessment	4.1	Planning, Operational Coordination, Environmental Response/Health and Safety	M
Wayne County FMT A - Field Monitoring Team	4.2	Planning, Environmental Response/Health and Safety	M
Monroe County FMT A - Field Monitoring Team	4.2	Planning, Environmental Response/Health and Safety	M
Wayne County FMT B - Field Monitoring Team	4.2	Planning, Environmental Response/Health and Safety	M
Monroe County FMT B - Field Monitoring Team	4.2	Planning, Environmental Response/Health and Safety	M
Wayne County Accident Assessment - County Accident Assessment	4.5	Planning, Environmental Response/Health and Safety	M

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Monroe Count Accident Assessment - County Accident Assessment	4.5	Planning, Environmental Response/Health and Safety	M
Ginna EOF - Emergency Operations Facility	4.5	Planning, Environmental Response/Health and Safety	M
Objective 5 : Operate			
Newark Wayne Community Hospital - Medical Services - Hospital	5.3	Planning, Environmental Response/Health and Safety, Public Health, Healthcare, and Emergency Medical Services	M
Newark Wayne Community Hospital - Medical Services - Hospital	5.3	Planning, Environmental Response/Health and Safety, Public Health, Healthcare, and Emergency Medical Services	M
Wayne County Sheriff - Traffic and Access Control Points	5.4	Planning, Operational Coordination, Access Control and Identity Verification, Critical Transportation, Environmental Response/Health and Safety, On-scene Security, Protection, and Law Enforcement, Situational Assessment	M
Monroe County TCP/ACP - Traffic and Access Control Points Webster Police Department	5.4	Planning, Operational Coordination, Access Control and Identity Verification, Critical Transportation, Environmental Response/Health and Safety, On-scene Security, Protection, and Law Enforcement, Situational Assessment	M
Monroe County Sheriff - Traffic and Access Control Points	5.4	Planning, Operational Coordination, Access Control and Identity Verification, Critical Transportation, Environmental Response/Health and Safety, On-scene Security, Protection, and Law Enforcement, Situational Assessment	M

Appendix A: Exercise Timeline

Robert E. Ginna – Exercise Timeline
DATE AND SITE: August 30, 2022 Ginna – Plume Exercise

Emergency Classification Level or Event	Time Utility Declared	Time That Notification Was Received or Action Was Taken								
		NY State EOC	EOF	JIC	Wayne County EOC	Wayne County Warning Point	Monroe County EOC	Monroe County Warning Point	EAS Station WHAM	Field Monitoring Team
Unusual Event	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alert	0812	NA	0821	0839	0820	0820	0826	0819	NA	0826
Site Area Emergency	0947	NA	0953	0953	0953	0953	0953	0954	NA	0957
General Emergency	1125	NA	1126	1137	1135	1135	1135	NA	NA	1140
Rad. Release Started	1125	NA	1126	1145	1128	1128	1126	NA	NA	NA
Rad. Release Terminated	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Facility Declared Operational		NA	0904	0913	0920	0920	0912	NA	NA	NA
Governor Declared State of Emergency		NA		1030	1030	1030	1030	NA	NA	NA
Exercise Terminated		NA	1323	1323	1315	1315	1312	NA	NA	NA
Early Precautionary Actions: Monroe: Closure of all parks and beaches in ERPAs M 1 2 3 4 5 6 7 8 9 Wayne: Close all parks and recreation centers; Clear waterways within 10-mile EPZ		NA	1017 1004	1007 0936	NA 0933	0933	0934	NA	NA	NA
Early Precautionary Actions: Wayne CO. relocate persons with AFN in ERPAs W 1, 2, 3		NA	1024	1013	0933	0933	NA	NA	NA	NA
Early Precautionary Actions: Pet Advisory for ERPAs 1-7		NA	1040	1013	0933	NA	NA	NA	NA	NA
Early Precautionary Actions: Hearing Impaired Advisory 10-mile EPZ to prepare for possible evacuation		NA	1040 1047	1028 1030	0933	NA	NA	NA	NA	NA
Early Precautionary Actions: Relocate school children		NA	1050	NA	0933	NA	NA	NA	NA	NA
1 st Protective Action Decision: Evacuate: W 1, 2; W-Lake and M-1 and M-Lake		NA	1200	1206	1200	1200	1200	NA	NA	NA
Sirens		NA	1211	1211	1211	NA	1211	NA	NA	NA
EAS		NA	1215	1215	1215	1215	1215	NA	NA	NA
KI Decision		NA	1200	1206	1200	1200	1200	NA	NA	1140
2 nd Protective Action Decision: Evacuate		NA	NA	NA	NA	NA	NA	NA	NA	NA
Siren Activation		NA	NA	NA	NA	NA	NA	NA	NA	NA
EAS Message		NA	NA	NA	NA	NA	NA	NA	NA	NA
KI Administration Decisions:		NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B: Additional Information

Participating Organizations

State Emergency Operations Center

Joint Information Center

- Constellation Energy Generation, LLC
- State of New York
- Wayne County

Emergency Alert System Station- WHAM

Monroe County

- 911/ECD
- American Red Cross
- City of Rochester Department of Environmental Services
- Federal Emergency Management Agency (FEMA)
- Monroe County Community College
- Monroe County Community College Public Safety Training Facility
- Monroe County Department of Communications
- Monroe County Department of Environmental Services
- Monroe County Department of Human Services
- Monroe County Department of Information Services
- Monroe County Department of Public Health
- Monroe County Department of Public Safety
- Monroe County Department of Transportation
- Monroe County Emergency Medical Service
- Monroe County Executive Office
- Monroe County Fire Bureau
- Monroe County Geographic Information System (GIS)
- Monroe County Law Department
- Monroe County Office of Emergency Management
- Monroe County Office of Safety & Security
- Monroe County Probation Department
- Monroe County Sheriff's Office
- Monroe County Water Authority
- New York State Agriculture & Markets Department
- New York State Department of Health
- New York State Department of Transportation
- New York State Division of Homeland Security and Emergency Services

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- New York State Office of Emergency Management
- New York State Police
- Regional Transit Service
- Robert E. Ginna Nuclear Power Plant Liaison
- Rochester Fire Department
- Rochester Police Department
- Webster Central School District
- Webster Police Department

Monroe County Warning Point

Monroe County Accident Assessment

- Constellation Energy Generation, LLC
- Monroe County Department of Health
- Monroe County Office of Emergency Management

Monroe FMT A (red)

- Monroe County Department of Public Health

Monroe FMT B (yellow)

- Monroe County Department of Public Health

Wayne County Warning Point

Wayne County

- American Red Cross
- Civil Air Patrol (CAP)
- Drumlins Amateur Radio Club FMT Communicators
- Ginna Nuclear Power Plant –Wayne County Liaison
- New York State Department of Health
- New York Department of Homeland Security and Emergency Services (NYDHSES)
- New York State Department of State
- New York State Department of Transportation
- New York State Office of Emergency Management
- New York State Office of Fire Protection Control
- New York State Police
- Radio Amateur Civil Emergency Services (RACES)
- United States Department of Agriculture (USDA) Farm Services Agency
- United States Department of Transportation
- Wayne County 911 Dispatch
- Wayne County Board of Supervisors
- Wayne County Department of Aging and Youth

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- Wayne County Department of Public Works
- Wayne County Department of Social Services
- Wayne County Emergency Management Office
- Wayne County Fire Coordinators Office
- Wayne County Information Technologies
- Wayne County Nursing Home
- Wayne County Public Health Office
- Wayne County School Coordinator
- Wayne County Sheriff's Office

Wayne County Accident Assessment

- Constellation Energy Generation, LLC
- Wayne County Emergency Management

Wayne Field Monitoring Team A

- Wayne County Sheriff's Department
- Drumlins Amateur Radio Club
- Wayne County Field Monitoring Team A

Wayne County Field Monitoring Team B

- Wayne County Sheriff's Department
- Drumlins Amateur Radio Club
- Wayne County Field Monitoring Team B

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Evaluation Team

Name	Organization
Joseph Suders	FEMA Region 3
Brian Hasemann	FEMA Region 2
George Hogan iii	FEMA Region 2
Rahuel Preciado	FEMA Region 3
Tina THOMAS	FEMA Region 3
Miriam Weston	FEMA Region 2
Jeremy Jones	FEMA Region 10
Gary Goldberg	ICF
Kevin Robinson	FEMA Region 2
Thomas Scardino	FEMA Region 3
William McRee	ICF
Linda Gee	FEMA Region 6
Lisa Rink	Headquarters
Lee Torres	FEMA Region 3
Narvaez Stinson	Headquarters
Alonzo McSwain	Headquarters
Janise Stoliarova	Headquarters
Michele Sturman	FEMA Region 2
Kenneth Wierman Jr.	Headquarters
Barbara Thomas	FEMA Region 1
Taneeka Hollins	FEMA Region 1
Christopher Cammarata	FEMA Region 2
Alexander Hazard	FEMA Region 3

Acronyms and Abbreviations

Acronym	Description
AAC	AFTER ACTION CONFERENCE
AAR	AFTER ACTION REPORT
ACP	ACCESS CONTROL POINT
ALERT	ALERT
ARCA	AREA REQUIRING CORRECTIVE ACTION
ANS	ALERT AND NOTIFICATION SYSTEM
C/E	CONTROLLER/EVALUATOR
DHS	U.S. DEPARTMENT OF HOMELAND SECURITY
DHSES	N.Y.S. DIVISION OF HOMELAND SECURITY AND EMERGENCY SERVICES
DLR	DOSIMETER OF LEGAL RECORD
DRD	DIRECT-READING DOSIMETER
EAS	EMERGENCY ALERT SYSTEM
EAL	EMERGENCY ACTION LEVEL
ECL	EMERGENCY CLASSIFICATION LEVEL
EEG	EXERCISE EVALUATION GUIDE
EOC	EMERGENCY OPERATIONS CENTER
EOF	EMERGENCY OPERATIONS FACILITY
EOP	EXTENT OF PLAY
EPA	U.S. ENVIRONMENTAL PROTECTION AGENCY
EPT	EXERCISE PLANNING TEAM
EPZ	EMERGENCY PLANNING ZONE

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Acronym	Description
ERF	EMERGENCY RESPONSE FACILITY
ERO	EMERGENCY RESPONSE ORGANIZATION
ExPLAN	EXERCISE PLAN
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FMT	FIELD MONITORING TEAM
FOUO	FOR OFFICIAL USE ONLY
FSE	FULL SCALE EXERCISE
GE	GENERAL EMERGENCY
GIS	GLOBAL INFORMATION SYSTEM
HAB	HOSITLE ACTION BASED
HSEEP	HOMELAND SECURITY EXERCISE AND EVALUATION PROGRAM
ICF	ICF INTERNATIONAL, INC.
IP	IMPROVEMENT PLAN
JIC	JOINT INFORMATION CENTER
KI	POTASSIUM IODIDE
MR	MILLIROENTGEN(S)
MS	MEDICAL SERVICES
MSEL	MASTER SCENARIO EVENTS LIST
NRC	NUCLEAR REGULATORY COMMISSION
NEI	NUCLEAR ENERGY INSTITUTE
NOUE	NOTICE OF UNUSUAL EVENT
NUREG- 0654	NUREG-0654/FEMA-REP-1, REV. 2

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Acronym	Description
OEM	OFFICE OF EMERGENCY MANAGEMENT
OOS	OUT OF SEQUENCE
OSLD	OPTICALLY STIMULATED LUMINESCENT DOSIMETER
ORO	OFFSITE RESPONSE ORGANIZATION
PAA	PROTECTIVE ACTION AREA
PAD	PROTECTIVE ACTION DECISION
PAG	PROTECTIVE ACTION GUIDE
PAR	PROTECTIVE ACTION RECOMMENDATION
PIO	PUBLIC INFORMATION OFFICER
R	ROENTGEN
RAC	REGIONAL ASSISTANCE COMMITTEE
REP	RADIOLOGICAL EMERGENCY PREPAREDNESS
ORO	OFFSITE RESPONSE ORGANIZATION
PAA	PROTECTIVE ACTION AREA
PAD	PROTECTIVE ACTION DECISION
PAG	PROTECTIVE ACTION GUIDE
PAR	PROTECTIVE ACTION RECOMMENDATION
PIO	PUBLIC INFORMATION OFFICER
R	ROENTGEN
RAC	REGIONAL ASSISTANCE COMMITTEE
REP	RADIOLOGICAL EMERGENCY PREPAREDNESS
R/HR	ROENTGEN(S) PER HOUR
RO	RADIOLOGICAL OFFICER

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Acronym	Description
SAE	SITE AREA EMERGENCY
SEOC	STATE EMERGENCY OPERATIONS CENTER
SERF	STANDARD EXERCISE REPORT FORMAT
SIMCELL	SIMULATION CELL
SME	SUBJECT MATTER EXPERT
SNB	SPECIAL NEWS BROADCAST
SOP	STANDARD OPERATING PROCEDURE
TCP	TRAFFIC CONTROL POINT
TL	TEAM LEAD
TCL	TARGET CAPABILITIES LIST
TLD	THERMOLUMINESCENT DOSIMETER
WHAM	EAS RADIO STATION

Extent-of-Play Agreement(s)

Introduction

The Ginna Exercise is designed for players to demonstrate emergency response plans, policies, and procedures as they pertain to a nuclear power plant accident scenario and related controller inject messages. An FSE is a complex event that requires detailed planning. To conduct an effective exercise, subject matter experts (SMEs) and representatives from numerous agencies have taken part in the planning process and will take part in exercise conduct and evaluation.

This ExPlan was produced in coordination of the State Exercise Director and the FEMA Region II RAC Chair with the input, advice, and assistance of the EPT.

Confidentiality

Public release of exercise materials to third parties is at the discretion of the State Exercise Director and the FEMA Region II RAC Chair.

Purpose

The purpose of this exercise is to evaluate player actions against current response plans and capabilities for a nuclear power plant-related incident, and to comply with the requirements of 44 CFR 350 and the guidelines of NUREG 0654/FEMA-REP-1 / NUREG 0654/FEMA-REP-1, Rev. 2. Exercise planners utilized the elements described in the Radiological Emergency Preparedness (REP) Program Manual (December 2019) to develop this exercise. The objective of FEMA REP Evaluated Exercises is to demonstrate reasonable assurance that the public can be protected following an incident at a nuclear power plant.

Core Capabilities

The Core Capabilities listed below have been selected by the EPT from the priority capabilities identified in the FEMA REP Program Manual. These Core Capabilities provide the foundation for development of the exercise objectives and scenario, as the purpose of this exercise is to measure and validate performance of these capabilities and their associated activities and tasks.

- Planning
- Operational Coordination
- Operational Communications
- Public Health, Healthcare, and Emergency Medical Services
- Mass Care Services
- On-Scene Security and Protection
- Environmental Response/Health and Safety
- Situational Assessment
- Critical Transportation
- Public Information and Warning

After-Action Report/Improvement Plan (Unabridged)

Additionally, each capability is linked to several corresponding activities and tasks to provide additional detail. Exercise objectives and REP Capability Targets selected to be exercised and demonstrated are discussed in the Extent-of-Play (EOP).

Appendix C: Improvement Plan

No Improvement Plan needed.