



Indian Point Energy Center After Action Report/ Improvement Plan

Exercise Date – June 28-30, 2016

Radiological Emergency Preparedness (REP) Program



FEMA

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Indian Point Energy Center After Action Report/Improvement Plan

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Contents

Executive Summary	10
Section 1: Exercise Overview	11
1.1 Exercise Details	11
1.2 Exercise Planning Team Leadership	11
1.3 Participating Organizations	13
Section 2: Exercise Design Summary	18
2.1 Exercise Purpose and Design	18
2.2 Exercise Objectives, Capabilities and Activities	18
2.3 Scenario Summary	21
Section 3: Analysis of Capabilities	32
3.1 Exercise Evaluation and Results	32
3.2 Summary Results of Exercise	32
3.3 Criterion Evaluation Summaries	33
3.3.1.1 New York Jurisdictions (Plume)	33
3.3.1.1 New York State Warning Point	33
3.3.1.2 New York State Emergency Operations Center	33
3.3.1.3 New York State Accident Assessment	33
3.3.1.4 New York State Tax and Finance Call Center	34
3.3.1.5 Indian Point Joint Information Center	34
3.3.1.6 Indian Point EAS Station WHUD	34
3.3.1.7 Joint New York State/Westchester County Emergency Worker Personnel monitoring Center (EWPMC)	34
3.3.2 Risk Jurisdictions	37
3.4.2.1 Orange County - Warning Point	37
3.4.2.2 Orange County Emergency Operations Center	37

3.4.2.3 Orange County Accident Assessment	37
3.4.2.4 Orange County - Field Monitoring Team 1	38
3.4.2.5 Orange County - Field Monitoring Team 2	38
3.4.2.6 Orange County - Medical Services Transport - Mobile Life.	38
3.4.2.7 Orange County - Medical Services Hospital - St Luke’s Cornwall Hospital	39
3.4.2.8 Orange County Traffic and Access Control	39
3.4.2.9 Orange County – General Population Bus Company – West Point Tours	40
3.4.2.10 Orange County - School Bus Company – West Point Tours	40
3.4.2.11 Orange County - General Population Bus Company – Monroe Woodbury Bus	40
3.4.2.12 Orange County - School Bus Company - Monroe Woodbury Bus	41
3.4.2.13 Orange County – Bus Company for Access and Functional Needs - George M Carroll	41
3.4.2.14 Orange County Congregate Care	41
3.4.2.15 Putnam County Warning Point	42
3.4.2.16 Putnam County Emergency Operations Center	42
3.4.2.17 Putnam County Accident Assessment	42
3.4.2.18 Putnam County - Field Monitoring Team Alpha	43
3.4.2.19 Putnam County - Field Monitoring Team Bravo	43
3.4.2.20 Putnam County - Putnam County Traffic and Access Control	43
3.4.2.21 Putnam County Congregate Care	44
3.4.2.22 Rockland County - Warning Point	44
3.4.2.23 Rockland County Emergency Operations Center	44
3.4.2.24 Rockland County Alternate Emergency Operations Center	45
3.4.2.25 Rockland County Accident Assessment	45
3.4.2.26 Rockland County - Field Monitoring Team 1	45
3.4.2.27 Rockland County - Field Monitoring Team 2	46
3.4.2.28 Rockland County - School Interview - Farley Elementary School	46

3.4.2.29	Rockland County - School Interview - Fieldstone Middle School	46
3.4.2.30	Rockland County - School Interview - Stony Point Elementary School	47
3.4.2.31	Rockland County - School Interview - Thiells Elementary School	47
3.4.2.32	Rockland County - School Interview - Bardonia Elementary School	47
3.4.2.33	Rockland County - School Interview - Lakewood Elementary School	48
3.4.2.34	Rockland County - School Interview - Laurel Plains Elementary School	48
3.4.2.35	Rockland County - School Interview - Link Elementary School	48
3.4.2.36	Rockland County - School Interview - Little Tor Elementary School	49
3.4.2.37	Rockland County - School Interview - New City Elementary School	49
3.4.2.38	Rockland County - School Interview - Strawtown Elementary School	49
3.4.2.39	Rockland County - School Interview - West Nyack Elementary School	50
3.4.2.40	Rockland County - School Interview - Woodglen Elementary School	50
3.4.2.41	Rockland County - School Interview - Birchwood School	50
3.4.2.42	Rockland County - School Interview - Felix Festa Middle School	51
3.4.2.43	Rockland County - School Interview - Clarkstown North High School	51
3.4.2.44	Rockland County - School Interview - Clarkstown South High School	51
3.4.2.45	Rockland County - School Bus Company - East Ramapo Bus	52
3.4.2.46	Rockland County - General Population Bus Company - East Ramapo Bus	52
3.4.2.47	Rockland County - School Bus Company - Student Bus	52
3.4.2.48	Rockland County - General Population Bus Company - Student Bus	53

3.4.2.49	Rockland County Traffic and Access Control	53
3.4.2.50	Rockland County Congregate Care	53
3.4.2.51	Westchester County - Warning Point	54
3.4.2.52	Westchester County Emergency Operations Center	54
3.4.2.53	Westchester County Accident Assessment	54
3.4.2.54	Westchester County - Field Monitoring Team HD-1	55
3.4.2.55	Westchester County - Field Monitoring Team HD-2	55
3.4.2.56	Westchester County Public Inquiry Center (PIC)	55
3.4.2.57	Westchester County Traffic and Access Control	56
3.4.2.58	Westchester County - School Interview - Buchanan-Verplanck Elementary School	56
3.4.2.59	Westchester County - School Interview- Frank C Lindsey Elementary School	56
3.4.2.60	Westchester County - School Interview - Furnace Woods Elementary School	57
3.4.2.61	Westchester County - School Interview - Blue Mountain Middle School	57
3.4.2.62	Westchester County - School Interview - Hendrick Hudson High School County	57
3.4.2.63	Westchester County - School Interview - Van Cortlandtville Elementary School	58
3.4.2.64	Westchester County - School Interview - George Washington Elementary School	58
3.4.2.65	Westchester County - School Interview - Benjamin Franklin Elementary School	58
3.4.2.66	Westchester County - School Interview - Thomas Jefferson Elementary School	59
3.4.2.67	Westchester County - School Interview- Lincoln-Titus Elementary School	59
3.4.2.68	Westchester County - School Interview- Lakeland Copper Beach Middle School	59
3.4.2.69	Westchester County - School Interview- Lakeland High School	60
3.4.2.70	Westchester County - School Interview - Walter Panas	60

High School	
3.4.2.71 Westchester County - School Bus Company - Croton Harmon Bus	60
3.4.2.72 Westchester County - School Bus Company - Chappaqua Bus	61
3.4.2.73 Westchester County - School Bus Company Super Trans	61
3.4.2.74 Westchester County - Day Care Center - Section I	61
3.4.2.75 Westchester County - Day Care Center - Section II	62
3.4.2.76 Westchester County - Day Care Center - Section III	62
3.4.2.77 Westchester County Congregate Care	63
3.4.3 Support Jurisdictions for the Plume Exercise	64
3.4.3.1 Indian Point Emergency Operations Facility	64
3.4.3.2 Bergen County Emergency Operations Center	64
3.3.4 New York State Jurisdictions for Day 2 Assessment Activities	65
3.3.4.1 New York State Emergency Operations Center	65
3.3.4.2 Wadsworth Center Laboratory	65
3.3.4.3 New York State Field Monitoring Team 1	65
3.3.4.4 New York State Field Monitoring Team 2	66
3.3.4.5 New York State Field Monitoring Team 3	66
3.3.5 New York State Activities for the Day 3 Tabletop	67
 Section 4: Conclusion	 68
 Appendix A: Improvement Plan	 69
Appendix B: Lessons Learned	70
Appendix C: Best Practices	71
Appendix D: Exercise Timeline	72
Appendix E: Exercise Evaluators and Team Leaders	73
Appendix F: Acronyms and Abbreviations	76

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EXECUTIVE SUMMARY

On June 28-30, 2016, an Ingestion Pathway Exercise was conducted for the Indian Point Energy Center (IPEC). On June 28 the plume portion focused on the 10-mile plume exposure pathway emergency planning zone (EPZ) around the Indian Point Energy Center (IPEC). On June 29, 2016, the ingestion portion focused on sampling, analysis and assessment activities and concluded with decision making. On June 30, 2016, a tabletop exercise focused on implementation of those decisions. The exercise was evaluated by the Federal Emergency Management Agency (FEMA), Region II. The purpose of the exercise was to demonstrate and assess the level of State and local preparedness in responding to a radiological emergency. The exercise was 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 previous exercise at this site was conducted on October 7, 2014. The qualifying emergency preparedness exercise was conducted on March 3, 1982.

FEMA wishes to acknowledge the efforts of the many individuals in New York State; Westchester, Rockland, Orange, and Putnam Counties in New York; and Bergen County, New Jersey who participated in this exercise.

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

This report contains the draft evaluation of the biennial exercise and of the following out-of-sequence activities in Orange, Putnam, Rockland and Westchester counties: Day Cares and School Interviews; Emergency Worker Decontamination Centers; General and Special Population Bus Companies; School Bus Companies; Traffic Control Points; and Medical Services Drills.

The State and local organizations, except where noted in this report, satisfactorily demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. There were no Level 1 Findings. Four Level Two findings were corrected on the spot by re-demonstration.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Indian Point Energy Center

Type of Exercise

Ingestion Pathway

Exercise Date

June 28-30, 2016

Program

Department of Homeland Security/FEMA Radiological Emergency
Preparedness Program

Scenario Type

Radiological Emergency

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1.3 Participating Organizations

Agencies and organizations of the following jurisdictions participated in the Indian Point Energy Center exercise:

State Jurisdictions

Boards of Cooperative Educational Services
New Jersey Office of Emergency Management New Jersey State Police
New York City Department of Environmental Protection
New York National Guard 105th Airlift Wing
New York State Department of State
New York State Department of Agriculture and Markets
New York State Department of Environmental Conservation
New York State Department of Health
New York State Department of Health, Radiological
New York State Department of Labor
New York State Department of Transportation
New York State Department of Corrections and Community Supervision
New York State Division of Criminal Justice Services
New York State Division of Homeland Security and Emergency Services
New York State Division of Homes and Community Renewal
New York State Division of Military and Naval Affairs
New York State Department of Education
New York State Energy Research and Development Authority
New York State Office for People with Developmental Disabilities
New York State Office of Children and Family Services
New York State Office of Counter Terrorism
New York State Office of Emergency Management
New York State Office of Fire Prevention and Control
New York State Office of General Services
New York State Office of Information Technology Services
New York State Office of Mental Health
New York State Office of Victim Services
New York State Office for People with Developmental Disabilities
New York State Park Police
New York State Police
New York State Public Service Commission
New York State Department of Taxation and Finance Home
New York State Homes and Community Renewal
New York State Office for the Aging
New York State Parks Recreation and Historic Preservation
New York State Bridge Authority
New York State Thruway Authority
New York State Metropolitan Transportation Authority
Port Authority of the State of New York and New Jersey

Risk Jurisdictions

Orange County General Services
Orange County Executive Office
Orange County Department of Emergency Services
Orange County Department of Finance
Orange County Department of Health
Orange County Department of Public Works
Orange County Department of Social Services
Orange County District Attorney's Office
Orange County Division of Budget
Orange County Division of Emergency Communications
Orange County Division of Emergency Management
Orange County Division of Environmental Health
Orange County Division of Fire Services
Orange County Human Resources
Orange County Mental Health
Orange County Office for the Aging
Orange County Office of the County Executive
Orange County Planning Office
Orange County Radio Amateur Civil Emergency Services
Orange County Sheriff's Office
Orange Ulster BOCES
Orange County Veteran's Services
Orange County Valley View
Orange County Emergency Communications
Orange County Medical Reserve Corps
Orange County Consumer Affairs
Orange County Parks Department
Cornell Cooperative Extension
Orange County Youth Bureau
Putnam County Bureau of Emergency Services
Putnam County Department of Public Health
Putnam County Highways and Facilities
Putnam County Office for Senior Resources
Putnam County School District
Putnam County Sheriff's Office
Putnam County Social Services
Rockland County Department of Health
Rockland County Department of Environmental Health
Rockland County Emergency Medical Services
Rockland County Department of Social Services
Rockland County Geographic Information Systems
Rockland County Highway Department
Rockland County Maintenance Department
Rockland County Office of County Executive

Rockland County Office of Fire and Emergency Services
Rockland County Office of Mental Health
Rockland County Office of Senior Resources
Rockland County Public Transportation
Rockland County Purchasing Department
Rockland County Sewer Department
Rockland County Sheriff's Office
Rockland County Sheriff's Office, Communications Division
Rockland County Youth Bureau
Rockland Independent Living Center
Rockland County Office of Personnel
Rockland County Board of Cooperative Educational Services
Rockland County Planning Office
North Rockland School District
Clarkstown School District
East Ramapo Bus
Village of Spring Valley Police Department
Westchester County 60 Control Dispatch
Westchester County District Attorney's Office
Westchester County Department of Budget
Westchester County Department of Consumer Protection,
Weights and Measures Division
Westchester County Department of Corrections
Westchester County Department of Emergency Services
Westchester County Department of Environmental Facilities
Westchester County Department of Finance
Westchester County Department of Fire and Rescue
Westchester County Department of Health
Westchester County Department of Human Resources
Westchester County Department of Information Technology
Westchester County Department of Mental Health
Westchester County Department of Parks
Westchester County Department of Planning
Westchester County Department of Probation
Westchester County Department of Public Safety
Westchester County Department of Public Works
Westchester County Department of Social Services
Westchester County Executive Office
Westchester County Office of Emergency Management
Westchester County Police Department
Westchester Regional Emergency Medical Services Council
Hendrick Hudson School District
Lakeland School District
Croton Harmon Bus
Croton-on-Hudson Bus
Chappaqua Bus

Support Jurisdictions

Bergen County Department of Emergency Management
Bergen County Department of Health
Bergen County Department of Public Works
Bergen County Department of Social Services
Bergen County Fire Department
Bergen County Police Department
Bergen County Prosecutor's Office
Bergen County Utilities Authority
Ulster County Office of Emergency Management
Ulster County Department of Health

Private Organizations

100.7 WHUD
American Red Cross Entergy
Metropolitan Transportation Authority
Port Authority of New York and New Jersey
Radio Amateur Civil Emergency Service
St. Luke's Cornwall Hospital State University of New York
Summit Park Hospital and Nursing Care Center United Water, New York
United Way
Mobile Life
United States Military Academy West Point Tours
Monroe Woodbury Bus
George M Carrol Bus
Student Bus
Buffalo Computer Graphics Young Wonders
The Country Children's Center
Family YMCA at Tarrytown
Strawberry Early Childhood Development Center Lullaby One
Peekskill Head Start
Happy Beginnings Extended Day Woodside
Happy Beginnings Extended Day Oakside
Happy Beginnings Extended Day Brookside
Happy Beginnings Extended Day Ossining
Merlina Lambert
Kids on the Go
Pied Piper
Reliable Learning Child Care Inc.
Kelly's After-School Kids
The Learning Experience
Nana's Place Child Care Inc
Child's World Academy

McKinley Street Daycare
Healthy Kids
Milo's Play School
Under My Wings
Tee's Little Bees

Federal Jurisdictions

Civil Air Patrol
Federal Bureau of Investigation Nuclear Regulatory Commission
Federal Radiological Monitoring and Assessment Center
United States Department of Energy

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The DHS/FEMA Region II Office evaluated the full participation, Ingestion Pathway Exercise on June 28-30 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 the Indian Point Energy Center (IPEC). 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 Target Capabilities List (TCL). The capabilities listed below form the foundation for the organization of all FEMA Region II REP Program objectives and observations in this exercise.

- **Emergency Operations Center (EOC) Management:** Is the capability to provide multi-agency coordination (MAC) for incident management by activating and operating an EOC for a pre-planned or no-notice event. EOC management includes EOC activation, notification, staffing, and deactivation; management, direction, control, and coordination of response and recovery activities; coordination of efforts among neighboring governments at each level and among local, regional, state, and federal EOCs; coordination of public information and warning; and maintenance of the information and communication necessary for coordinating response and recovery activities.
- **Emergency Public Information and Warning:** Is the capability that includes public information, alert/warning and notification. It involves developing, coordinating, and disseminating information to the public, coordinating officials, and incident management and responders across all jurisdictions and disciplines effectively under all hazard conditions.

-
- **Citizen Evacuation and Shelter in Place:** Is the capability to prepare for, ensure communication of, and immediately execute the safe and effective sheltering-in-place of an at-risk population (and companion animals), and/or the organized and managed evacuation of the at-risk population (and companion animals) to areas of safe refuge in response to a potentially or actually dangerous environment. In addition, this capability involves the safe reentry of the population where feasible.

 - **Emergency Public Safety and Security Response:** Is the capability to reduce the impact and consequences of an incident or major event by securing the affected area, including crime/incident scene preservation issues as appropriate, safely diverting the public from hazards, providing security support to other response operations and properties, and sustaining operations from response through recovery. Public Safety and Security Response requires coordination among officials from law enforcement (LE), fire, and Emergency Medical Services (EMS).

 - **Hazardous Materials Response and Decontamination:** Is the capability to assess and manage the consequences of a hazardous materials release, either accidental or as part of a terrorist attack. It includes testing and identifying all likely hazardous substances onsite; ensuring that responders have protective clothing and equipment; conducting rescue operations to remove affected victims from the hazardous environment; conducting geographical survey searches of suspected sources of contamination and establishing isolation perimeters; mitigating the effects of hazardous materials, decontaminating on-site victims, responders, and equipment; coordinating off-site decontamination with relevant agencies, and notifying environmental, health, and law enforcement agencies having jurisdiction for the incident to begin implementation of their standard evidence collection and investigation procedures.

 - **Mass Care:** Is the capability to provide immediate shelter, feeding centers, basic first aid, bulk distribution of needed items, and related services to persons affected by a large-scale incident, including special needs populations. Special needs populations include individuals with physical or mental disabilities who require medical attention or personal care beyond basic first aid. Other special-needs populations include non-English speaking populations that may need to have information presented in other languages. The mass care capability also provides for pet care/handling through local government and appropriate animal-related organizations. Mass care is usually performed by nongovernmental organizations (NGO), such as the American Red Cross

(ARC), or by local government-sponsored volunteer efforts, such as Citizen Corps. Special- needs populations are generally the responsibility of local government, with medical needs addressed by the medical community and/or its alternate care facilities. State and Federal entities also play a role in public and environmental health by ensuring safe conditions, safe food, potable water, sanitation, clean air, etc.

- Triage and Pre-Hospital Treatment: Is the capability to appropriately dispatch EMS resources; to provide feasible, suitable, and medically acceptable pre-hospital triage and treatment of patients; to provide transport as well as medical care en route to an appropriate receiving facility; and to track patients to a treatment facility.

2.3 Scenario Summary

Day 1: Plume

Unique equipment OOS for this drill:

Unit 2 -21 Aux Boiler Feed Pump (ABFP) for Bearing Oil leak repair.

Unit 2 -21 Safety Injection (SI) Pump for outboard mechanical seal replacement.

Met Conditions:

Wind Speed: 5 meters per second

Wind Direction: From 200

Pasquill category: C

Partly sunny and temperature is 70 degrees

Basic Scenario Timeline:

- 0800 Unit 2 Control Room Operations team takes the Simulator watch. Reactor Coolant System (RCS) Sampling is in progress. Unit 3 is at 100%.
- 0810 Unit 2 commences Vapor Containment (VC) Pressure Relief.
- 0825 Unit 2 Watch Chemist reports I-131 increased to - 300uCi/gm.
- 0830 Unit 2 commences plant shutdown.
- 0840 Unit 2 SM declares an Alert based on EAL FA 1.1 "Any loss or any potential loss of either Fuel Clad or RCS (Table F-1)", based on: FC loss #E4 (I-131 >300 uCi/gm)
- 0925 ERO facilities are operational.
- 0955 21 Reactor Coolant Pump (RCP) High Vibration condition. Unit 2 CCR attempts to manually trip the Rx which is unsuccessful from the CCR console. Unit 2 has automatic turbine trip. 21 RCP High Vibration condition causes a small (>6 gpm) RCS leak inside the VC. VC Radiation monitors begin rising due to RCS leak.

-
- 0956 21 RCP breaker trips on overcurrent. Loss of 21 RCP. SI Signal is initiated.
- Reactor Trip - Control Rods drop to the bottom of the Reactor but 9 Control Rods fail to insert. Stuck rods cause significant fuel cladding damage. The Reactor Trip breakers still indicate closed on the CCR console. 23 Emergency Diesel generator (EDG) fails to start on the SI signal. VC pressure relief valve PCV- 1192 fails to close on the SI signal.
- 1005 23 EDG trips off due to failed Jacket Water pressure switch.
- 1006 VC rad monitors R-2/R-7 are reading 3R/hr. and are in alarm.
- 1008 VC rad monitors R-25/R-26 are reading 2R/hr.
- 1010 Emergency Director declares an SAE based on EAL SS2.1 "Any failure of an automatic trip signal to reduce power range <5% and manual trip actions taken at the reactor control console (manual reactor trip switches) are not successful".
- 1019 R-25/R-26 reading 9R/hr. R-2/R-7 reading 4 R/hr.
- 1034 R-25/R-26 reading 20R/hr. R-2/R-7 reading 10 R/hr.
- 1120 23 S/G develops a primary to secondary leak - Steam Generator Tube Rupture (SGTR) of 400 gpm. 23 Safety Valve MS-45C lifts and sticks open. Unfiltered radiological release to atmosphere commences. Local radiation levels of 10 R/hr preclude entrance into the Aux Boiler Feed Pump Building. Unit 2 CCR manually initiates SI. 23 EDG remains OOS.
- 1125 22 SI pump trips off due to loss of oil from SI Pump lube oil cooler.
- 1135 ED declares GE based on EAL FG 1.1 "Loss of any 2 barriers AND Loss or potential loss of third barrier" based on:
- FC Loss #C3 (R-25/26 >17R/hr)
 - FC loss #E4 (1-131 >300 uCi/gm)
 - RCS Loss #D2 (RCS Subcooling)
 - RCS Loss #D3 (ECCS)
 - RCS Potential Loss #D2 (Leak >87 gpm)
 - CNMT Loss #D3 (Ruptured S/G)
 - CNMT Loss #D4 (Unisolable release to environment).

This is not an RPSA because initial dose assessment indicates <PAGs at site

- 1150 EOF completes GE Notifications to the state and counties recommending PARs of 2 around and 5 downwind in Sectors 1, 2, 3 with implementation of the state KI plan.
- 1150 EOF Completed Part 2 Notifications to offsite, including selecting Iodine/Noble Gas ratio of "le-2" on the Part 2 Form, showing ground release > Federal Limits.
- 1235 Unit 2 Diesel Fire Pump starts and then overspeeds due to cracked engine block.
- 1310 Primary RCS pressure decreases lowering the steam flow thru MS-45C. Steam line Radiation Monitors slowly begin decreasing.
- 1330 Radiation levels inside the Aux Boiler Feed Pump Building decrease to the point that cycling members of a Repair and Corrective Action (R&CA) team would allow successfully gagging closed the 23 S/G safety valve (MS-45C). The valve goes closed and the radiological release to atmosphere is secured.
- 1500 Terminate drill.

Day 2: Ingestion

Message #	Type of Event	Approx. Inject Time	Message Provided to	Message Provided By	Responding Agency or Agencies	Remarks/Expected Actions
Lab 1	Initial Conditions	9:00	Wadsworth staff	Controller	Wadsworth Lab	Prepare for sample arrival
Lab 2	Sample delivery	9:00	Wadsworth staff	Controller	Wadsworth Lab	Receive samples and transfer custody. Fill out Chain of Custody Form
Lab 3	Transmit data	Approx. 12:00	Wadsworth staff	Controller	Wadsworth Lab & A&E	Transmit Data to A&E in SEOC
FST1	Sampling plan	9:00	Field Team Coordinator	Controller	DOH	Brief the team on the Sampling Plan
FST1-a	Sampling Instructions team 1	9:00	Field team	Controller	FST	Take instructions and locate farm for sampling
FST1-b	Sampling Instructions team 2	9:00	Field team	Controller	FST	Take instructions and locate farm for sampling

FST1-c	Sampling Instructions team 3	9:00	Field team	Controller	FST	Take instructions and locate farm for sampling
FST2	Transfer to SP and interview	Upon return from sampling (approx.. 3PM)	FTC and State Police	Controller	State Police	Samples transferred to State Police with chain of custody. State Trooper interviewed.
FST3	Donning and Doffing	TBD by controller and evaluator	FTC	Controller	DOH	Show proper technique for donning and doffing personal protective equipment.
A&E1	Briefing and Initial conditions	8:30	A&E lead	Controller	A&E team	Initial briefing based on plume activities, provide flyover map
A&E2	Sampling data	After sampling plan	A&E lead	Controller	A&E team	Provide sampling data for analysis
A&E3	Receipt of lab data	1:00	A&E lead	Controller	A&E team	Lab data received from lab. Describe process.
A&E4	FRMAC data	after data analysis	A&E lead	Controller	A&E team	Provide FRMAC map products for ingestion, data analyzed
A&E5	Use of information for Ingestion decisions	Early afternoon	A&E lead	Controller	A&E team	Initial decisions for implementation of initial PADS for agriculture
A&E6	Embargo decisions and enforcement	Early afternoon	A&E lead	Controller	A&E team	Discussion of embargo decisions and enforcement
A&E7	Water decisions	Early afternoon	A&E lead	Controller	A&E team	Discussion of impacted water supplies and PADs
A&E8	FRMAC data	after data analysis	A&E lead	Controller	A&E team	Provide FRMAC map products for relocation

A&E9	Contingency Relocation	Afternoon	A&E lead	Controller	A&E team	Contingency inject for relocation if evacuation included relocation area.
A&E10	Return decision	after data analysis	A&E lead	Controller	A&E team	Make recommendations for return
A&E11	Reentry decisions	after data analysis	A&E lead	Controller	A&E team	Make recommendations for reentry
DEC1	DEC Inject	Approx. 2:00	DEC	Controller	DEC	Determine any additional or changes in Fish and Wildlife decisions
GIS1	Available GIS data	10:00	DHSES GIS	Controller	DHSES GIS	Review available data sets and information contained in the datasets.

Day 3: Tabletop

End of Emergency Event Day 1, Tuesday, June 28, 2016 Brief

The following information for this phase summarizes many of the activities and events which occurred following the event. The information represents a collection of status reports, media reports and verbal communications.

Unique equipment out of service for the Exercise:

The Unit 2 -21 Auxiliary Boiler Feed Pump was out of service for Bearing Oil leak repair and the Unit 2-21 Safety Injection (SI) pump was out of service for outboard mechanical seal replacement.

Basic Accident (Exercise) Summary

During enhanced Reactor Coolant System (RCS) sampling the Unit 2 watch chemist reported a ~350uCi/gm activity level. The Unit 2 Shift Manager declared an Alert based on Emergency Action Level (EAL) FA 1.1 “There are indications of a loss or potential loss to either the Fuel Cladding or Reactor Coolant System Integrity”

The 21 Reactor Coolant Pump (RCP) developed a High Vibration condition. The Unit 2 Control Room (CCR) attempted to manually trip the nuclear reactor, which was unsuccessful from the CCR console. Unit 2 received an automatic turbine trip removing power from the grid. The 21 RCP High Vibration condition caused a small (>6 gallon per minute) RCS leak inside the domed Vapor Containment building.

The 21 RCP breaker tripped on overcurrent. This resulted in an automatic nuclear reactor trip during which nine control rods failed to insert. The stuck control rods caused significant fuel cladding damage.

The Emergency Director declared a Site Area Emergency (SAE), based on EAL SS2.1 “The reactor control rods have failed to shut down the reactor...”

The 23 Steam Generator (S/G) developed a primary to secondary tube leak of 400 gpm. The 23 S/G Safety Valve automatically opened and remained stuck open. This caused an unfiltered radiological release to atmosphere.

The Emergency Director declared a General Emergency (GE) based on EAL FGI.1 “Loss of 2 of 3 fission product barriers with actual or potential loss of the third barrier”

After 2.2 hours, the primary RCS pressure decreased, lowering the flow associated with the primary to secondary tube leak. The radiation levels inside the Auxiliary Boiler Feed Pump building (location of the 23 S/G Safety Valve) decreased to the point that members of a Repair and Corrective Action (R&CA) team were cycled in to make repairs. The 23 S/G Safety valve was closed and the radiological release to atmosphere was secured.

Indian Point Energy Center Emergency/Recovery Actions:

The Indian Point Energy Center Unit 2 is shutdown; the on-site impact of the accident is still being assessed. The Operations personnel continue to transition Unit 2 towards cold shutdown. The Emergency Response Organization began transitioning into the Emergency Termination & Recovery Mode and began to develop long-term recovery plans in conjunction with increased NRC oversight.

The NRC Site Team (Incident Response Team) is fully functional. The NRC set up a field office in the Emergency Operation Facility (EOF).

The relief Indian Point ERO is being bussed onto the site with State Police escort from the Jefferson Valley Mall in Westchester County NY. An on-site event review meeting was conducted with off-going key ERO members.

Unit 2 Operations personnel placed the plant in cold shutdown on the Residual Heat Removal system. Habitability in the Unit 2 Control Room has been verified satisfactory and is being used to control the shutdown Unit 2 reactor.

The relief Indian Point ERO team developed a Recovery Plan Outline. A formal discussion with regulatory, State and local authorities was conducted to ensure coordinated entry into recovery.

Emergency Event, Day 2-7, July 5, 2016 Brief

The following information summarizes the activities which occurred on day 2 through day 7 of the event.

IPEC Plant Status:

The Event Summary Report for the event was generated on June 29, 2016 and was distributed to appropriate regulatory, State and local authorities at 0700.

The Indian Point Energy Center Unit 2 is in cold shutdown on the Residual Heat Removal system. The 23 S/G Safety Valve remains shut and there is no chance of additional radiological releases.

Unit 2 remains in the Recovery Phase. The on-site OSC/TSC Emergency Response facilities are no longer required and the site has transitioned into a repair outage with personnel being bussed onto the site for 12 hour shifts from the Cortlandt State Police barracks. Extensive radiological surveys have been performed onsite and the Unit 2 Auxiliary Boiler Feed Pump building and portions of the North end of the Owner Controlled property, remain contaminated. All other areas of the site have been released from radiological controls. Additional assets including Radiological Personnel, Westinghouse Personnel, Corporate personnel, Entergy personnel from other nuclear sites and additional cooling water have all arrived on site. A large presence of NRC personnel remain onsite and have set-up a new field office in the Technical Support Center (TSC) facility. Entergy Radiological Environmental Monitoring Teams are deployed for continued sampling and boundary verification of ground deposition. All samples have been split and are being sent to Knox Lab and Brookhaven National Laboratories.

No entries into the Unit 2 domed Vapor Containment building have been made.

A Root Cause Analysis of the event is in progress with a full report expected in 30 days.

The County and State Emergency Operation Centers (EOC) are still open on a limited scale. The JIC has shut-down at Hawthorne and transfers media operations to the State EOC. Media briefings have been held throughout the week, the last one was completed at 0600.

Off-Site Emergency/Recovery Actions:

On July 28, 2016, Governor Andrew M. Cuomo declared a State Disaster Emergency for Westchester, Putnam, Rockland, Orange Counties and contiguous areas in response to the incident at Indian Point. This helped to expedite emergency response services.

State agencies and non-profit organizations have gathered at the State Emergency Operations Center in Albany, to support the State's response for this incident. State officials are also at the plant's Emergency Operating Facility and the surrounding counties' Emergency Operations Centers.

Governor Andrew M. Cuomo has also designated Commissioner John P. Melville, Chairman of the New York State Disaster Preparedness Commission (DPC), as the State Coordinating Officer for this incident. Mr. Melville serves as the Commissioner of the Division of Homeland Security & Emergency Services (NYS DHSES).

New York State has activated the NYS Helpline for New Yorkers who need information or assistance in those communities affected by the incident. New Yorkers can call the NYS Helpline for various types of assistance from various State and other agencies, including volunteer organizations such as the American Red Cross (ARC) and Salvation Army (SA), as well as important health and safety tips.

In coordination with the U.S. Coast Guard (USCG), the State has cleared the Hudson River – from the Tappan Zee Bridge to the Newburgh-Beacon Bridge – of all boat traffic.

The New York State Office of Parks, Recreation and Historic Preservation (OPRHP) have closed all State parks in the affected area.

The Metropolitan Transportation Authority (MTA) – has suspended the Metro-North Commuter Railroad (MNCR) Hudson Line.

The New York State Division of Military & Naval Affairs (DMNA) have closed and secured the Camp Smith Training Site in the Town of Cortlandt, Westchester County.

Federal agencies responding to the New York State EOC are the Federal Emergency Management Agency (FEMA), United States Department of Agriculture (USDA), Food and Drug Administration (FDA), Health and Human Services (HHS), Environmental Protection Agency (EPA), DOE, NRC, and the Centers for Disease Control (CDC). In addition, the United States Department of Energy (DOE) and the Environmental Protection Agency (EPA) has activated the Federal Radiological Monitoring Assistance Center (FRMAC). The FRMAC Advance Party has arrived at the Emergency Operations Facility (EOF) at the Indian Point power plant and is working with Indian Point and state agency representatives. It has been determined that the FRMAC will be located at the New York Air National Guard Base at Stewart International airport. The Department of Energy has also been asked to complete a serpentine flyover at low altitudes to determine areas of radiological deposition.

Representatives from the New York State Department of Health (DOH), the Wadsworth Center Laboratory, and the State Radiological Field Teams are working with federal agencies to determine the areas of concern.

Additional responders to the State EOC, include the

- Office of Aging
- Department of Agriculture and Markets
- Office of Children and Family Services
- Department of Corrections and Community Supervision
- Division of Criminal Justice Services
- Department of Education
- Department of Environmental Conservation
- Office of Fire Prevention and Control
- Office of General Services
- Department of Health
- Division of Homeland Security and Emergency Services
- Division of Homes and Community Renewal
- Office of Information Technology Services
- Department of Labor
- Office of Mental Health
- Metropolitan Transportation Authority
- Bridge Authority
- Division of Military and Naval Affairs
- Office of Parks Recreation and Historic Preservation
- Office for People with Developmental Disabilities
- Port Authority of NY and NJ
- Public Service Commission
- Division of State Police
- Department of State
- Thruway Authority
- Department of Transportation
- Office of Victim Services
- American Red Cross

Governor Andrew M. Cuomo initially urged farmers within a 50-mile radius of Indian Point to take precautionary actions to protect food supplies as a result of the incident at Indian Point the plant. The State Department of Agriculture and Markets has issued recommendations to area farmers:

- Place all livestock on stored feed and water and shelter them if possible.
- Cover feed if stored outdoors.
- Store as much water as possible and cover wells, rain barrels and water tanks.
- Cover any harvested produce or place it inside.

This recommendation applies to all types of farms, including commercial, non-commercial, and recreational. All milk, soil and crops within the affected area will be monitored and sampled for possible contamination, and results will be reported to the public as soon as possible.

The New York Division of State Police (DSP) is coordinating security with other nuclear power plants and other critical infrastructures, and is assisting with traffic control in the affected area.

Staff from the New York State Department of Health's (DOH) Bureau of Environmental Radiation Protection and the Public Health Preparedness Program was deployed to the State Emergency Operations Center. The State DOH is also staffing Emergency Worker Personnel Monitoring Centers (EWPMC) in coordination with the State University of New York (SUNY), NYS Department of Labor, NYS Department of Environmental Conservation and the NYS Division of Homeland Security & Emergency Services.

The New York State Department of Agriculture and Markets reports that area farmers were advised earlier to place livestock on stored feed and grain. Food safety inspectors and dairy products specialists have been alerted and are standing by.

Governor Andrew M. Cuomo has directed the Department of Agriculture and Markets to restrict the sale or distribution of agricultural products from approximately a 50 mile area downwind of the plant. This will reduce public risk by keeping potentially contaminated fresh food products from entering the market. All agricultural products, including dairy, livestock, poultry, eggs, fruits, vegetables and forage, within this area may not be eaten, distributed, transported, or sold. Livestock and poultry should remain on stored and covered feed and water.

Governor Andrew M. Cuomo directed the State Department of Health to conduct comprehensive testing of public water supplies in areas surrounding Indian Point.

Boundaries of evacuated areas are being patrolled by State and local law enforcement as well as the New York National Guard.

The New York State and federal ingestion pathway sampling teams have conducted extensive sampling throughout the 50 mile ingestion zone for the Indian Point Energy Center. An analysis of these samples has indicated the need to take more specific protective actions.

FEMA, NYSDHSES Recovery and State Human Service Agencies have opened a Disaster Recovery Center (DRC) Field Office in Poughkeepsie, New York (Dutchess County). The state and federal agencies are working together to organize information on damage assessment. Damage assessment will continue to be slow until the restricted zone is established and areas for return have been identified. In addition to state and federal agencies, representatives from American Nuclear Insurers (ANI) will be available to process claims.

Monitoring of all evacuees has been completed and reception centers continue to be staffed for congregate care. Reception centers will remain open until long-term needs of all evacuees are identified and met.

Westchester and Putnam Counties have requested assistance from the state for decontamination activities. These Emergency Worker Personnel Monitoring Centers (EWPMC) equipped to support decontamination are located at the following New York State Department of Transportation (NYSDOT) facilities: 106 Ludington Road, Holmes, N.Y. (Putnam County), 35 Walker Road Valhalla, N.Y. (Westchester County) and 228 Townline Road, West Nyack, N.Y. (Rockland County). These continue to be opened during the event. The New York State Department of Health continues to track emergency worker exposure results from those state and county agency personnel working in or near the evacuated zones.

The NYS Department of Transportation has notified the Federal Aviation Administration (FAA) to relax the air restriction that was imposed over the plume emergency planning zone during the emergency phase. However, the restrictions remain in force for the area over the facility site as well as the restricted zone.

No significant damage has occurred to the utilities (water, electric, gas) in the evacuated areas.

Weather Conditions:

- Today: Temperatures will be highs in the 80's with winds out of the South at 5 to 10 mph.
- Tonight: Temperatures in the mid-60's with winds out of the south at 5 mph.
- Tomorrow: Clear with highs in the 80s. Winds expected from the south and southeast.
- Three-day Forecast: Temperatures are expected highs in the 80s and lows in the 60s; clear skies forecast through Sunday.

Road Conditions:

No major road reconstruction in the immediate area

SECTION 3: ANALYSIS OF CAPABILITIES

3.1 Exercise Evaluation and Results

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities which participated in the June 28 - 30, 2016, Ingestion Pathway Exercise to test the offsite emergency response capabilities of State and local governments in the 10-Mile EPZ surrounding the Indian Point Energy Center. Each jurisdiction and functional entity was evaluated on the basis of its demonstration of criteria delineated in exercise evaluation areas contained in the FEMA REP Program Manual, January, 2016.

3.2 Summary Results of Exercise Evaluation

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

- a. 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).
- b. 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.
- c. 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.

3.3 Criteria Evaluation Summaries

3.3.1 New York Jurisdictions (Plume)

3.3.1.1 New York State Warning Point

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.1.2 New York State Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, 2.b.2, 2.c.1, 3.c.1, 5.a.1, 5.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.1.3 New York State Accident Assessment

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 2.a.1, 2.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.1.4 New York State Tax and Finance Call Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 5.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.1.5 Indian Point Joint Information Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.b.1, 1.c.1, 1.d.1, 1.e.1, 5.a.1, 5.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.1.6 Indian Point EAS Station WHUD

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 5.a.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.1.7 Joint New York State/Westchester County Emergency Worker Personnel Monitoring Center (EWPMC)

- a. MET: 3.a.1, 6.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: 3 (ALL SUCCESSFULLY RE-DEMONSTRATED)

ISSUE NO: 32-15-6.b.1-L2-02

CONDITION: A EWPMC staff member demonstrated the ability to perform a radiological survey of an emergency worker using a Ludlum 2401P, but the staff member stepped across a Step off pad (SOP) in completing this task. He was provided instructions by the controller and he successfully re-demonstrated this task.

CORRECTIVE ACTION DEMONSTRATED: The EWPMC staff member was provided instructions by the controller and he successfully re-demonstrated this task.

ISSUE NO: 32-15-6.b.1-L02-03

CONDITION: At the female decontamination station, when performing a radiological survey of an emergency worker using a Ludlum 2401P, a EWPMC staff member added the area background to the survey results instead of subtracting it.

CORRECTIVE ACTION DEMONSTRATED: The EWPMC staff member was provided instructions by the controller and he successfully re-demonstrated this task

ISSUE NO: 32-15-6.b.1-04

CONDITION: At the EWPMC, a staff member demonstrated the ability to perform a radiological survey of an emergency worker using a Ludlum 2401P, but survey was done some distance from the exit step off pad (SOP). The worker was then allowed to walk across a potentially contaminated area and leave without another survey being performed.

CORRECTIVE ACTION DEMONSTRATED: The EWPMC staff member was provided instructions by the controller and he successfully re-demonstrated this task.

- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

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

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: 3 (ALL SUCCESSFULLY RE-DEMONSTRATED)
- c. PLAN ISSUES: NONE
- d. PRIOR ISSUES – RESOLVED: NONE
- e. PRIOR ISSUES – UNRESOLVED: NONE

3.4.2 Risk Jurisdictions (Plume)

3.4.2.1 Orange County - Warning Point

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.2 Orange County Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, .2.b.2, 2.c.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.b.1, 5.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.3 Orange County Accident Assessment

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 2.a.1, 2.b.1, 4.a.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.4 Orange County - Field Monitoring Team 1

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.5 Orange County - Field Monitoring Team 2

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.6 Orange County - Medical Services Transport - Mobile Life

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 6.d.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.7 Orange County - Medical Services Hospital - St Luke's Cornwall Hospital

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 6.d.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: 1 (SUCCESSFULLY RE-DEMONSTRATED)

ISSUE 32-15-6.d.1-L2-01

CONDITION: During a MS-1 drill at Cornwall St Luke's Hospital, hospital staff completely decontaminated the patient prior to obtaining samples from the wound area.

CORRECTIVE ACTION DEMONSTRATED: Hospital staff demonstrated the ability to obtain samples from the nose, mouth and wound area. During the critique, the controller stressed that it is necessary to obtain samples prior to decontamination. The patient wall chart clearly states this requirement. No further action is necessary.

- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.8 Orange County Traffic and Access Control

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.d.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.9 Orange County - General Population Bus Company - West Point Tours

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.10 Orange County - School Bus Company - West Point Tours

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.11 Orange County - General Population Bus Company - Monroe Woodbury Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.12 Orange County - School Bus Company - Monroe Woodbury Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.13 Orange County - Bus Company for Access and Functional Needs - George M Carrol

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.1, 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.14 Orange County Congregate Care

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.15 Putnam County - Warning Point

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.16 Putnam County Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.b.1, 1.c.1, .2.b.2, 2.c.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.b.1, 5.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.17 Putnam County Accident Assessment

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 2.a.1, 2.b.1, 4.a.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.18 Putnam County - Field Monitoring Team Alpha

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.19 Putnam County - Field Monitoring Team Bravo

In summary, the status of DHS/FEMA criteria for this location is as follows:

- h. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- i. LEVEL 1 FINDINGS: NONE
- j. LEVEL 2 FINDINGS: NONE
- k. PLANNING ISSUES: NONE
- l. NOT DEMONSTRATED: NONE
- m. PRIOR ISSUES - RESOLVED: NONE
- n. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.20. Putnam County - Traffic and Access Control

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. LEVEL 1: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.4.2.21 Putnam County Congregate Care

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.22 Rockland County - Warning Point

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.23 Rockland County Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.b.1, 1.c.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.b.1, 5.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.24 Rockland County Alternate Emergency Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.25 Rockland County Accident Assessment

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 2.a.1, 2.b.1, 4.a.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.26 Rockland County - Field Monitoring Team 1

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.27 Rockland County - Field Monitoring Team 2

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.28 Rockland County - School Interview - Farley Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.29 Rockland County - School Interview - Fieldstone Middle School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.30 Rockland County - School Interview - Stony Point Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.31 Rockland County - School Interview - Thiells Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.32 Rockland County - School Interview - Bardonia Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.33 Rockland County - School Interview - Lakewood Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.34 Rockland County - School Interview - Laurel Plains Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.35 Rockland County - School Interview - Link Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.36 Rockland County - School Interview - Little Tor Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.37 Rockland County- School Interview - New City Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.38 Rockland County - School Interview - Strawtown Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.39 Rockland County - School Interview - West Nyack Elementary**School**

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.40 Rockland County - School Interview - Woodglen Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.41 Rockland County - School Interview - Birchwood School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.42 Rockland County - School Interview - Felix Festa Middle School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

4.4.2.43 Rockland County - School Interview - Clarkstown North High School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.44 Rockland County - School Interview - Clarkstown South High School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.45 Rockland County - School Bus Company - East Ramapo Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.46 Rockland County - General Population Bus Company - East Ramapo Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. LEVEL 1: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.4.2.47 Rockland County - School Bus Company - Student Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.48 Rockland County - General Population Bus Company - Student Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 3.a.1, 3.c.2
 - b. LEVEL 1 FINDINGS: NONE
 - c. LEVEL 2 FINDINGS: NONE
 - d. PLANNING ISSUES: NONE
 - e. NOT DEMONSTRATED: NONE
 - f. PRIOR ISSUES - RESOLVED: NONE
 - g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.49 Rockland County Traffic and Access Control 1

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.d.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.50 Rockland County Congregate Care

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.51 Westchester County - Warning Point

In summary, the status of DHS/FEMA criteria for this location is as follows:

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

3.4.2.52 Westchester County Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, .2.b.2, 2.c.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.b.1, 5.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.53 Westchester County Accident Assessment

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.54 Westchester County - Field Monitoring Team HD-1

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
 - b. LEVEL 1 FINDINGS: NONE
 - c. LEVEL 2 FINDINGS: NONE
 - d. PLANNING ISSUES: NONE
 - e. NOT DEMONSTRATED: NONE
 - f. PRIOR ISSUES - RESOLVED: NONE
 - g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.55 Westchester County - Field Monitoring Team HD-2

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.d.1, 1.e.1, 3.a.1, 4.a.3
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.56 Westchester County Public Inquiry Center (PIC)

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.b.1, 1.d.1, 1.e.1, 5.b.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.57 Westchester County - Traffic and Access Control

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 3.a.1, 3.d.1
 - b. LEVEL 1 FINDINGS: NONE
 - c. LEVEL 2 FINDINGS: NONE
 - d. PLANNING ISSUES: NONE
 - e. NOT DEMONSTRATED: NONE
 - f. PRIOR ISSUES - RESOLVED: NONE
 - g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.58 Westchester County School Interview - Buchanan-Verplanck Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.59 Westchester County - School Interview - Frank C Lindsey Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.60 Westchester County - School Interview - Furnace Woods Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 3.c.2
 - b. LEVEL 1 FINDINGS: NONE
 - c. LEVEL 2 FINDINGS: NONE
 - d. PLANNING ISSUES: NONE
 - e. NOT DEMONSTRATED: NONE
 - f. PRIOR ISSUES - RESOLVED: NONE
 - g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.61 Westchester County - School Interview - Blue Mountain Middle School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.62 Westchester County - School Interview - Hendrick Hudson High School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.63 Westchester County - School Interview - Van Cortlandtville Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.64 Westchester County - School Interview - George Washington Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.65 Westchester County - School Interview - Benjamin Franklin Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.66 Westchester County - School Interview - Thomas Jefferson Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.67 Westchester County - School Interview - Lincoln-Titus Elementary School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.68 Westchester County - School Interview - Lakeland Copper Beach Middle School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.69 Westchester County - School Interview - Lakeland High School

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 3.c.2
 - b. LEVEL 1 FINDINGS: NONE
 - c. LEVEL 2 FINDINGS: NONE
 - d. PLANNING ISSUES: NONE
 - e. NOT DEMONSTRATED: NONE
 - f. PRIOR ISSUES - RESOLVED: NONE
 - g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.70 Westchester County - School Interview - Walter Panas High School

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.71 Westchester County - School Bus Company - Croton Harmon Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1,3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.72 Westchester County - School Bus Company - Chappaqua Bus

In summary, the status of DHS/FEMA criteria for this location is as follows:

-
- a. MET: 3.a.1, 3.c.2
 - b. LEVEL 1 FINDINGS: NONE
 - c. LEVEL 2 FINDINGS: NONE
 - d. PLANNING ISSUES: NONE
 - e. NOT DEMONSTRATED: NONE
 - f. PRIOR ISSUES - RESOLVED: NONE
 - g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.73 Westchester County - School Bus Company – Super Trans

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.a.1, 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.74 Westchester County - Day Care Centers (Section I) - Young Wonders, The Country Children’s Center, Family YMCA at Tarrytown, Strawberry Early Childhood Development Center, The Learning Experience, Lullaby One, Peekskill Head Start, Happy Beginnings Daycare II, Healthy Kids Extended Day Oakside, Healthy Kids Extended Day Woodside, Healthy Kids Extended Day Brookside, Healthy Kids Extended Day Ossining, Merlina Lambert, Kids on the Go Family Daycare, Nana’s Place Child Care Inc, Pied Piper, Reliable Learning Child Care Inc, Child’s World Academy, McKinley Street Daycare, Healthy Kids, Milo’s Play School, Under My Wings Day Care, Tee’s Little Bees

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.75 Westchester County - Day Care Centers (Section II) - The Learning Garden Day Care Center, Tender Care of New York, Scarborough Presbyterian Children’s

Center, Children of America, Gloria Foster, Ossining Children’s Center, Aunt Bessie’s Open Door Daycare, The Little Red School House, Our Montessori School - Stepping Stones, Early Learning Center at Fieldhome, Holy Name of Mary Montessori, Montrose Childcare Center, Westcop Yorktown Head Start, Lil Sprouts Early Learning Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- g. MET: 3.c.2
- h. LEVEL 1 FINDINGS: NONE
- i. LEVEL 2 FINDINGS: NONE
- j. PLANNING ISSUES: NONE
- k. NOT DEMONSTRATED: NONE
- l. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.76 Westchester County - Day Care Centers (Section III) - Kidz Time Day Care, Grace Corroles, Anne DeFino, Jump for Joy, Jump for Joy II, Nana’s Place Child Care, Inc, Chappaqua Children’s Workshop, Nadine Vergara, Creative Kids, Lorenza Salagar Family Daycare, Beatriz G Amuso, Caternina Fidelio, Morning Star Daycare, Wiggles N Giggles, J & B Daycare, Children’s Corner Learning Center, Sandra J Bond, Tabitha Johnson, Little Kings and Queens Family Daycare (two in Peekskill, NY), Little Kings and Queens Family Daycare (Cortlandt, NY), The Little Red House of Westchester, LLC

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 3.c.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.2.77 Westchester County Congregate Care

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

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

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: NONE
- c. PLANNING ISSUES: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES - RESOLVED: NONE
- f. PRIOR ISSUES - UNRESOLVED: NONE

3.3.4. New York State Jurisdictions for Day 2 Assessment Activities

3.3.4.1 New York State Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, 1.e.1, 2.d.1, 2.e.1, 3.e1, 3e.2
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.4.2 Wadsworth Center Laboratory

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 4.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.4.3 New York State Field Monitoring Team 1

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 4.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.4.4 New York State Field Monitoring Team 2

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 4.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.3.4.5 New York State Field Monitoring Team 3

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 4.c.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

In summary, the status of DHS/FEMA criteria for the New York State Jurisdictions for the Day 2 Assessment Activities is as follows:

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: NONE
- c. PLANNING ISSUES: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES - RESOLVED: NONE
- f. PRIOR ISSUES - UNRESOLVED: NONE

3.3.5 New York State Activities for the Day 3 Tabletop

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, 2.d.1, 2.e.1, 3.e.1, 3.e.2, 3.f.1
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

In summary, the status of DHS/FEMA criteria for the New York State Jurisdictions for the Day 3 Tabletop is as follows:

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: NONE
- c. PLANNING ISSUES: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES - RESOLVED: NONE
- f. PRIOR ISSUES - UNRESOLVED: NONE

3.4.3 Support Jurisdictions for the Plume Exercise

3.4.3.1 Indian Point Emergency Operations Facility

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1.
- b. LEVEL 1 FINDINGS: NONE
- c. LEVEL 2 FINDINGS: NONE
- d. PLANNING ISSUES: NONE
- e. NOT DEMONSTRATED: NONE
- f. PRIOR ISSUES - RESOLVED: NONE
- g. PRIOR ISSUES - UNRESOLVED: NONE

3.4.3.3 Bergen County Emergency Operations Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

- g. MET: 1.a.1, 1.c.1, 1.d.1, 1.e.1, 3.c.2, 3.d.1
- h. LEVEL 1 FINDINGS: NONE
- i. LEVEL 2 FINDINGS: NONE
- j. PLANNING ISSUES: NONE
- k. NOT DEMONSTRATED: NONE
- l. PRIOR ISSUES - RESOLVED: NONE
- m. PRIOR ISSUES - UNRESOLVED: NONE

In summary, the status of DHS/FEMA criteria for the Support Jurisdictions for the plume exercise is as follows:

- a. LEVEL 1 FINDINGS: NONE
- b. LEVEL 2 FINDINGS: NONE
- c. PLANNING ISSUES: NONE
- d. NOT DEMONSTRATED: NONE
- e. PRIOR ISSUES - RESOLVED: NONE
- f. 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 jurisdiction 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 Indian Point Energy Center, will remain in effect.

APPENDIX A: IMPROVEMENT PLAN

There are no open issues as a result of this exercise. Four Issues were identified during the exercise. All were re-demonstrated satisfactorily.

APPENDIX B: LESSONS LEARNED

Not Applicable.

APPENDIX C: BEST PRACTICES

1. At the New York State Emergency Operations Center, the NYS Public Service Commission representative demonstrated an in depth technical understanding of power plant operations. She was able to accurately diagnosis the accident and release pathway. She did an outstanding job using "layman's terms" to explain the loss of fission product barriers and release pathway to the executive group and EOC personnel.
2. The Lead Public Information Officer (PIO) for the JIC demonstrated excellent direction and control. He had many responsibilities in which he was able to excel, even though the tasks at hand were numerous. The Lead PIO initiated both a PIO Coordination Line and the Virtual Teleconference (VTC) to keep communications open with the state and county EOCs. These tools were also used to conduct briefings and provide coordination prior to media briefings. Additionally, the PIO kept abreast of public inquires and rumors by using the PIO Coordination Line to monitor and check on the phone bank locations. Confirming proper information, coordinating briefings and dispelling all rumors kept the Lead PIO very busy, but he effectively juggled all duties and assured that briefings went smoothly and all information going out was correct.
3. Once Bergen County (BC) realized the number of evacuees that might be coming from Rockland County, there was some concern about whether there would be enough Radiation Monitoring Equipment and Potassium Iodine (KI) for the evacuees heading to the Bergen County Community College Reception Center. The BC logistic Chief and the New Jersey State Police Emergency Management discussed options for getting additional equipment and resources to the facility as quickly as possible. Their discussion proved to be valuable and prudent, because instead of acquiring the equipment from their 1st MOU choice, the logistic chief learned from NJSP that it would be better to receive the Radiation Monitoring Equipment and KI from New Jersey, Ocean County OEM, where they would have enough portal monitors to supply the facility and trained and certified personnel to operate the equipment.
4. During Day 2 ingestion sampling, the Field Team Coordinator used a status board to keep each team on track in preparing for and completing sampling tasks.
5. During Day 2 ingestion sampling, the Red Team read procedures quickly but efficiently during sampling tasks to make sure procedures were adhered to. Also, one team member voluntarily declared her pregnancy and the FTC staff knew to contact NYS Health and obtain special exposure control guidelines. A scale was utilized to make sure appropriate quantity of sample was collected.

APPENDIX D: EXERCISE TIMELINE

TABLE 1 – TIMELINE June 28, 2016 – Indian Point Energy Center Plume Exercise

Emergency Classification Level or Event	Time Utility Declared	Time That Notification was Received or Action Was Taken							
		NY State EOC	JNC	EAS Station	Putnam Co. EOC	Rockland Co. EOC	Westchester Co. EOC	Orange Co. EOC	Bergen Co. EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0834	0847	0840	0907	0843	0847	0842	0842	0845
Site Area Emergency	1001	1006	1011	1018	1020	1010	1003	1008	1010
General Emergency	1131	1144	1137	1210	1140	1138	1132	1144	1140
Simulated Rad. Release Started	1131	1144	1137	N/A	1139	1138	1132	1131	1140
Simulated Rad. Release Terminated	1414	1416	1417	N/A	1417	1415	1415	1417	1415
Facility Declared Operational		0857	0955	N/A	0935	0915	0955	0909	1011
Governor Declared State of Emergency		1015	1015	1035	1015	1015	1030	1034	1036
Exercise Terminated		1430	1430	N/A	1430	1430	1430	1432	1430
Early Precautionary Actions:		0943	1010	N/A	0916	0944	N/A	0915	1013
"Heads Up" Siren Activation		1114	N/A	N/A	1114	1114	N/A	N/A	N/A
"Heads Up" EAS Message		1118	N/A	N/A	1118	1118	N/A	N/A	N/A
<u>1st Protective Action Decision</u>		1216	1103	N/A	1050	1216	1106	1103	1118
1 st Siren Activation		1227	1227	N/A	1114	1227	1114	1114	N/A
1 st EAS Message		1231	1231	0951	1231	1231	1227	1227	N/A
<u>2nd Protective Action Decision</u>		1216	1216	N/A	1223	N/A	1220	1216	N/A
2 nd Siren Activation			1227	N/A	N/A	N/A	N/A	N/A	N/A
2 nd EAS Message		1231		N/A	N/A	N/A	N/A	N/A	N/A
3 rd Protective Action Decision Shelter: Evacuate:		N/A	N/A	1028	N/A	N/A	N/A	N/A	N/A
3 rd Siren Activation		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 rd EAS Message		N/A	N/A	1028	N/A	N/A	N/A	N/A	N/A
KI Administration Decision:		1216	1216	N/A	1131	1131	1150	1216	1131
Emergency Workers		1216	1216	N/A	1131	1131	1150	1216	N/A
General Public in Evacuated Areas		1216	1216	N/A	1131	1216	1150	N/A	1150

APPENDIX E: EXERCISE EVALUATORS AND TEAM LEADERS

DAY 1: PLUME		
LOCATION	EVALUATOR(s)	AGENCY
Exercise Oversight	David Musick, RAC Chair	N/A
New York State EOC Albany, NY	Korky Dulgerian (TL) Marcy Campbell-(AA) Cheryl Weaver Dave Petta (Ops) Ron Biernacki (WP)	FEMA REGION 2 ICFI ICFI ICFI ICFI
State Tax and Finance Center Albany, NY	Wes Ryals	ICFI
Emergency Operations Facility	Nelson, Sam	ICFI
Joint Information Center	John Rice (TL) Bridgett Ahlgrim Robert Lemeshka Rosemary Samsel Bill Douglass	FEMA REGION 1 REP HQ ICFI ICFI FEMA REGION II
EAS Station WHUD	Tim Harris	REP HQ
Orange County Warning Point	Laura Borchardt	REP HQ
Orange County EOC	Chris Cammarata (TL) Bill Webb Reggie Rogers (AA) Richard Fournier Clay Spangenberg	FEMA REGION 2 FEMA REGION 10 ICFI FEMA REGION 2 ICFI
Orange County TCPs (2- out of sequence, day of the exercise, interview at EOC)	Larry Broockerd	REP HQ
Orange Field Monitoring Teams (2)	Roger Winkleman Kent Tosch	ICFI ICFI
Putnam County Warning Point	Sara Gelves (WP)	FEMA REGION 2
Putnam County EOC	Mabel Santiago (TL) Gary Goldberg Darryl Thome-(AA) George Hogan Michelle Sturman	FEMA REGION 2 ICFI ICFI FEMA REGION 2 FEMA REGION 2
Putnam TCPs (2 - out of sequence, day of the exercise, interview at EOC)	Kevin Malone	FEMA REGION 2
Putnam Field Monitoring Team (2)	Brian Clark Ron Bonner	ICFI ICFI

APPENDIX E: EXERCISE EVALUATORS AND TEAM LEADERS

DAY 1: PLUME		
LOCATION	EVALUATOR(s)	AGENCY
Rockland County Warning Point	Kerris Bates	REP HQ
Rockland County EOC	Brian Hasemann(TL) Joe Suders Robert Walker (AA) Natalie Valley	FEMA REGION 2 FEMA REGION 3 ICFI ICFI
Rockland Field Monitoring Teams (2)	Michael DeBonis-EPA Rob Princic	USEPA ICFI
Rockland TCPs (2 - out of sequence, day of the exercise, interview at EOC)	David Fortino	FEMA REGION 2
Westchester County EOC	Laura Forrest (TL) Roy Smith Joe Keller (AA) Paul Anderson Dan Lerch	FEMA REGION 2 ICFI ICFI FEMA REGION 9 ICFI
Westchester Warning Point (60 Control)	Helen La Forge	FEMA REGION 1
Westchester County Public Information Center (PIC) – White Plains	Robert Duggleby	ICFI
Westchester Field Monitoring Teams (2)	Dave Stuenkel Jim Hickey	ICFI ICFI
Bergen County EOC Host County	Miriam Weston (TL)	FEMA REGION 2
ICFI ADMIN SUPPORT		N/A

TL = Team Leader
Ops = Operations
AA = Accident Assessment
FMT = Field Monitoring Team
TCP = Traffic Control Point

APPENDIX E: EXERCISE EVALUATORS AND TEAM LEADERS

DAY 2: INGESTION AND ASSESSMENT ACTIVITIES		
LOCATION	EVALUATOR	AGENCY
New York State EOC Albany, NY	Korkean Dulgerian (TL) Marcy Campbell Cheryl Weaver Dave Petta	FEMA REGION 2 ICFI ICFI ICFI
Field Monitoring Teams (STATE) * Meet at Stewart ANG	Carol Sheppard Bart Ray Tom Reynolds	ICFI ICFI ICFI
Wadsworth Center Lab Empire State Plaza Albany, NY	Terry Blackmon	ICFI

DAY 3: INGESTION DECISIONS; RELOCATION, REENTRY and RETURN TABLETOP EXERCISE		
LOCATION	EVALUATOR	AGENCY
Ramada Inn 542 Route 9 Fishkill, NY	Bill Cullen (TL) Bill Webb Laura Forrest Brian Hasemann Lisa Rink	FEMA REGION 2 FEMA REGION 10 FEMA REGION 2 FEMA REGION 2 REP HQ

APPENDIX F: ACRONYMS AND ABBREVIATIONS

AAC	AFTER ACTION CONFERENCE
AAR	AFTER ACTION REPORT
ARCA	AREA REQUIRING CORRECTIVE ACTION
ANS	ALERT AND NOTIFICATION SYSTEM
C/E	CONTROLLER/EVALUATOR
DHS	U.S. DEPARTMENT OF HOMELAND SECURITY
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
EPA	U.S. ENVIRONMENTAL PROTECTION AGENCY
EPT	EXERCISE PLANNING TEAM
EPZ	EMERGENCY PLANNING ZONE
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
HSEEP	HOMELAND SECURITY EXERCISE EVALUATION PROGRAM
ICF	ICF INTERNATIONAL, INC.
ICP	INCIDENT COMMAND POST
IP	IMPROVEMENT PLAN
JIC	JOINT INFORMATION CENTER
KI	POTASSIUM IODIDE
LLEA	LOCAL LAW ENFORCEMENT AGENCY
MR	MILLIROENTGEN(S)