



Nine Mile Point Nuclear Power Station

After Action Report/ Improvement Plan

Exercise Date - June 19, 2013

Radiological Emergency Preparedness (REP) Program



FEMA

Published October 01, 2014

Unclassified

Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

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Contents

Executive Summary	4
Section 1: Exercise Overview	6
1.1 Exercise Details	6
1.2 Exercise Planning Team Leadership	6
1.3 Participating Organizations	8
Section 2: Exercise Design Summary	11
2.1 Exercise Purpose and Design	11
2.2 Exercise Objectives, Capabilities and Activities	13
2.3 Scenario Summary	15
Section 3: Analysis of Capabilities	17
3.1 Exercise Evaluation and Results	17
3.2 Summary Results of Exercise Evaluation	17
3.3 Criteria Evaluation Summaries	22
3.3.1 New York Jurisdictions	22
3.3.1.1 New York State Emergency Operations Center	22
3.3.1.2 New York State Accident Assessment	22
3.3.1.3 Nine Mile Point/Fitzpatrick Emergency Operations Facility	23
3.3.1.4 Nine Mile Point/Fitzpatrick Joint Information Center	23
3.3.1.5 EAS Radio Station (WSYR)	26
3.3.2 Risk Jurisdictions	26
3.3.2.1 Oswego County - Warning Point	26
3.3.2.2 Oswego County Emergency Operations Center	27
3.3.2.3 Oswego County Accident Assessment	33
3.3.2.4 Oswego County - Field Monitoring Team A	33
3.3.2.5 Oswego County - Field Monitoring Team B	36

3.3.2.6 Oswego County - Traffic Control Point - Oswego County Sheriff	36
3.3.2.7 Oswego County - Traffic Control Point - Oswego City Police Department	36
3.3.2.8 Oswego County - Backup Route Alerting	37
3.3.2.9 Oswego County - School Interview - Kingsford Park Elementary School	37
3.3.2.10 Oswego County - School Interview - Mexico Middle School	37
3.3.2.11 Oswego County - School Interview - Oswego Community Christian School	38
3.3.2.12 Oswego County - School Interview - Trinity Catholic School	38
3.3.2.13 Oswego County - School Bus Company - City School District of Oswego	39
3.3.2.14 Oswego County - Medical Services Transport - Oswego County Ambulance Services	40
3.3.2.15 Oswego County - Medical Services Hospital - Syracuse University Hospital	40
Section 4: Conclusion	41
Appendix A: Improvement Plan	42
Appendix B: Exercise Timeline	44
Appendix C: Exercise Evaluators and Team Leaders	45
Appendix D: Acronyms and Abbreviations	46

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EXECUTIVE SUMMARY

On June 19, 2013, a Full Scale Exercise was conducted in the 10-mile Plume Exposure Pathway Emergency Planning Zone (EPZ) around the Nine Mile Point Nuclear Power Plant and evaluated by the Federal Emergency Management Agency (FEMA), Region II. The purpose of the exercise was to assess the level of State and local preparedness in responding to a radiological emergency. This exercise was held in accordance with FEMA's policies and guidance concerning the exercise of State and local radiological emergency response plans (RERPs) and procedures.

The most recent exercise at this site was conducted on September 22, 2009. The qualifying emergency preparedness exercise was conducted on September 15, 1981.

FEMA wishes to acknowledge the efforts of the many individuals in the State of New York, Oswego and Onondaga Counties 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. Cooperation and teamwork of all the participants were evident during this exercise.

This report contains the final evaluation of the biennial exercise and the evaluation of the following out-of-sequence activities: School Interviews (Kingsford Park Elementary March 13, 2013), (Mexico Middle School, Oswego Community Christian and Trinity Catholic School on March 14, 2013); School Bus (Oswego City School Schools Transportation on March 15, 2013) and one Medical Drill with transportation provided by the Oswego County Ambulance Squad to the Medical Facility at University Hospital on Dec.7 , 2012 at Oswego Hospital.

The State and local organizations except where noted in this report, demonstrated knowledge of their emergency response plans and procedures and adequately implemented them. There was one Deficiency and three Areas Requiring Corrective Action (ARCAs) identified as a result of the June 19th exercise. In addition, corrective actions were demonstrated for two prior ARCAs, thus closing those issues.

On August 13, 2013 a remedial exercise was held to re-demonstrate the Deficiency that was issued during the June 19, 2013 plume phase exercise. During the remedial exercise Oswego

County successfully demonstrated the ability to provide timely EAS messages and consistent news releases thus resolving Deficiency 40-13-1c1-D01. In addition one ARCA from the June exercise was resolved and one new ARCA assessed.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Nine Mile Point Nuclear Power Station

Type of Exercise

Plume

Exercise Date

June 19, 2013

Program

Department of Homeland Security/FEMA Radiological Emergency Preparedness Program

Scenario Type

Radiological Emergency

1.2 Exercise Planning Team Leadership

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1.3 Participating Organizations

Agencies and organizations of the following jurisdictions participated in the Nine Mile Point Nuclear Power Station exercise:

State Jurisdictions

- New York State Emergency Management Office
- New York State Department of Health
- New York State Police
- New York State Department of Environmental Conservation
- New York State Department of Transportation
- New York State Department of Labor
- New York State Office of Aging
- New York State Department of Agriculture and Markets
- New York State Thruway Authority
- New York State Office of Parks, Recreation and Historic Preservation
- New York State Department of Correctional Services
- New York State Office of Mental Health
- New York State Office of Fire Prevention and Control

New York State Education Department

New York State Energy Research and Development Authority

New York State Public Service Commission

New York State Division of Military and Naval Affairs

New York State Office of Cyber Security and Critical Infrastructure Organization

Risk Jurisdictions

Oswego County Sheriff's Department

Oswego County Department of Public Works

Oswego County Emergency Management Office

Oswego County Chairman of the Legislature

Oswego County Information Technology

Oswego County Personnel Department

Oswego County Administrator

Oswego County Administrative Services

Oswego County Department of Social Services

Oswego County Highway Department

Oswego County Superintendent of Schools

Oswego County Department of Health

Oswego County Fire Coordinator

Oswego City School District

Mexico Central School District

Oswego County Attorney

Oswego County Promotion and Tourism

Oswego County Planning Department

Oswego County Emergency Medical Services

Oswego County Communication Center - 911

Cooperative Extension

New York State Assembly

BOCES of Oswego County

Private Organizations

American Red Cross

RACES

Entergy - James A. FitzPatrick Nuclear Power Plant

Constellation Energy Corporation - Nine Mile Point Nuclear Power Station

WSYR Radio Station, Syracuse

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

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

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

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

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

- U.S. Department of Health and Human Services,
- U.S. Department of Transportation,
- U.S. Department of Agriculture,
- U.S. Department of the Interior, and
- U.S. Food and Drug Administration.

Representatives of these agencies serve on the FEMA Region II Regional Assistance Committee (RAC), which is chaired by FEMA.

Formal submission of the RERPs for the Nine Mile Point and James A. FitzPatrick Nuclear Power Plants (JAFNPP) to FEMA Region II by the New York State and involved local jurisdictions occurred on July 15, 1981. Formal approval of the RERPs was granted by FEMA on February 1, 1985, under 44 CFR 350.

A REP exercise was conducted on June 19, 2013 by FEMA Region II to assess the capabilities of State and local emergency preparedness organizations in implementing their RERPs and procedures to protect the public health and safety during a radiological emergency involving the Nine Mile Point Nuclear Power Plant. The purpose of this exercise report is to present the exercise results and findings on the performance of the offsite response organizations (ORO) during a simulated radiological emergency.

The findings presented in this report are based on the evaluations of the Federal evaluator team, with final determinations made by the FEMA Region II RAC Chairperson, and approved by the Regional Director.

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

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980;
- "Radiological Emergency Preparedness: Exercise Evaluation Methodology," published in the Federal Register on September 12, 2001, and revised April 25, 2002, and contained in the Interim REP Program Manual (August 15, 2003)

Section 1 of this report, entitled "Exercise Overview," presents basic information and data relevant to the exercise. This section of the report contains a description of the plume pathway EPZ, a listing of all participating jurisdictions and functional entities that were evaluated, and a tabular presentation of the time of actual occurrence of key exercise events and activities.

Section 3 of this report, entitled "Analysis of Capabilities," presents detailed information on the demonstration of applicable exercise evaluation criteria for each jurisdiction or functional entity evaluated in a jurisdiction-based, issues-only format. Table 3.1 titled, "Summary of Exercise Evaluation" is a tabular representation of exercise criteria. Section 3 also contains: (1) descriptions of all Deficiencies and ARCAs assessed during this exercise, recommended corrective actions, and the State and local governments' schedule of corrective actions for each identified exercise issue and (2) descriptions of unresolved ARCAs assessed during previous exercises and the status of the OROs' efforts to resolve them.

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 Management:** Is the capability to provide multi-agency coordination (MAC) for incident management by activating and operating an EOC for a preplanned 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 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

0800 – Crew assumes shift

0815 – Fire/Explosion in Divisional Emergency Diesel Generator

~0830 – ALERT - SM Declares an ALERT under EAL HA2.1

~0840 – ERONS Notification sent (ERO expected to mobilize and staff facilities)

~0845 – P1 NFS transmitted to offsite agencies

~0930-0945 - ERF's activated

0950 – EHC Pressure oscillation (Crew will commence power reduction, at 92% power a steam line rupture will occur)

~0955 – Steam Line Rupture outside containment; Reactor SCRAM, 'A' Main Steam Line MSIV's fail to close

~1005 – Site Area Emergency - ED/RM declares a Site Area Emergency under EAL FS1.1 (RCL3, CBL3)

~1015 – P1 Notification Fact Sheet Transmitted to offsites

~1100 – General Emergency - Continued efforts to restore RPV water level prove ineffective. Determination is made that RPV water level cannot currently be maintained >TAF when depressurized. General Emergency declared under EAL FG1.1 (RCL3, CBL3, FCP1)

~1115 – PINFS and PARS transmitted to offsites

~1215 – Required PARS expansion required based on Dose Rates > 5 miles downwind

~1230 – Expanded PARS transmitted to offsite agencies

~1300-1315 – Exercise Terminates

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 that participated in the June 19, 2013 exercise to test the offsite emergency response capabilities of State and local governments in the 10-mile EPZ surrounding the Nine Mile Point Nuclear Power Plant.

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 (June, 2013). Detailed information on the exercise criteria and the extent-of-play agreement used in this exercise are found in Appendix F of this report.

3.2 Summary Results of Exercise Evaluation

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

M - Met (No Deficiency or ARCAs assessed and no unresolved ARCAs from prior exercises)

D - Deficiency assessed

A - Areas Requiring Corrective Action (ARCA) assessed or unresolved ARCA(s) from prior exercise(s)

N - Not Demonstrated (Reason explained in Subsection B)

Table 3.1 - Summary of Exercise Evaluation (2 pages)

DATE: 2013-06-19 SITE: Nine Mile Point Nuclear Power Station, NY M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated			NYSEOC	NYSAA	NMP/F EOF	NMP/F JIC	NMP EAS WSYR	OSWC WP	OSWC EOC	OSWC AA	OSWC FMTA	OSWC FMTB
Emergency Operations Management												
Mobilization	1a1	M			M	M		M	M		M	M
Facilities	1b1	M										
Direction and Control	1c1	M			M	M			A			
Communications Equipment	1d1	M			M	M	M		M		M	M
Equipment and Supplies to Support Operations	1e1	M	M	M	M				M	M	M	M
Protective Action Decision Making												
Emergency Worker Exposure Control	2a1		M						M	M		
Dose Assessment & PARs & PADs for the Emergency Event	2b1		M							M		
Dose Assessment & PARs & PADs for the Emergency Event	2b2	M							M			
PADs for the Protection of persons with disabilities and access/functional needs	2c1								M			
Radiological Assessment and Decision-making for the Ingestion Exposure Pathway	2d1											
Radiological Assessment & Decision-making Concerning Post-Plume Phase Relocation, Reentry, and Return	2e1											
Protective Action Implementation												
Implementation of Emergency Worker Exposure Control	3a1										M	M
Implementation of KI Decision for Institutionalized Individuals	3b1	M							M			
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1								M			
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2								M			
Implementation of Traffic and Access Control	3d1								M			
Implementation of Traffic and Access Control	3d2								M			
Implementation of Ingestion Pathway Decisions	3e1											
Implementation of Ingestion Pathway Decisions	3e2											
Implementation of Post-Plume Phase Relocation, Reentry, and Return Decisions	3f1											
Field Measurement and Analysis												
RESERVED	4a1											
Plume Phase Field Measurement and Analyses	4a2									M		
Plume Phase Field Measurement and Analyses	4a3										M	M
Post Plume Phase Field Measurements and Sampling	4b1											
Laboratory Operations	4c1											
Emergency Notification and Public Info												
Activation of the Prompt Alert and Notification System	5a1	P				P	M		M			
RESERVED	5a2											
Activation of the Prompt Alert and Notification System	5a3								M			
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1	M				P	M		M			
Support Operations/Facilities												
Monitoring, Decontamination, and Registration of Evacuees	6a1											
Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1											
Temporary Care of Evacuees	6c1											

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Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Nine Mile Point Nuclear Power Station

Transportation and Treatment of Contaminated Injured Individuals	6d1												
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Table 3.1 - Summary of Exercise Evaluation (Continued. page 2/2)

DATE: 2013-06-19 SITE: Nine Mile Point Nuclear Power Station, NY M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated			OSWC TCP OCS	OSWC TCP OCPD	OSWC BRA	OSWC SI KPES	OSWC SI MMS	OSWC SI OCSC	OSWC SI TCS	OSWC SBC CSDOO	OSWC MST OCAS	OSWC MSH SUH
Emergency Operations Management												
Mobilization	1a1											
Facilities	1b1											
Direction and Control	1c1											
Communications Equipment	1d1											
Equipment and Supplies to Support Operations	1e1											
Protective Action Decision Making												
Emergency Worker Exposure Control	2a1											
Dose Assessment & PARs & PADs for the Emergency Event	2b1											
Dose Assessment & PARs & PADs for the Emergency Event	2b2											
PADs for the Protection of persons with disabilities and access/functional needs	2c1											
Radiological Assessment and Decision-making for the Ingestion Exposure Pathway	2d1											
Radiological Assessment & Decision-making Concerning Post-Plume Phase Relocation, Reentry, and Return	2e1											
Protective Action Implementation												
Implementation of Emergency Worker Exposure Control	3a1	M	M	M						M	M	M
Implementation of KI Decision for Institutionalized Individuals	3b1									M		
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1											
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2				M	M	M	M				
Implementation of Traffic and Access Control	3d1	M	M									
Implementation of Traffic and Access Control	3d2											
Implementation of Ingestion Pathway Decisions	3e1											
Implementation of Ingestion Pathway Decisions	3e2											
Implementation of Post-Plume Phase Relocation, Reentry, and Return Decisions	3f1											
Field Measurement and Analysis												
RESERVED	4a1											
Plume Phase Field Measurement and Analyses	4a2											
Plume Phase Field Measurement and Analyses	4a3											
Post Plume Phase Field Measurements and Sampling	4b1											
Laboratory Operations	4c1											
Emergency Notification and Public Info												
Activation of the Prompt Alert and Notification System	5a1											
RESERVED	5a2											
Activation of the Prompt Alert and Notification System	5a3			M								
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1											
Support Operations/Facilities												
Monitoring, Decontamination, and Registration of Evacuees	6a1											
Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1											

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Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Nine Mile Point Nuclear Power Station

Temporary Care of Evacuees	6c1											
Transportation and Treatment of Contaminated Injured Individuals	6d1										M	M

3.3 Criteria Evaluation Summaries

3.3.1 New York Jurisdictions

3.3.1.1 New York State Emergency Operations 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, 2.b.2, 3.b.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: 5.a.1.

ISSUE NO.: 32-12-5a1-P-02

ISSUE: The initial, second and third EAS messages did not make reference to REP specific emergency information (e.g., brochures and information in telephone books or calendars) for use by the general public during an emergency.

REASON UNRESOLVED: Planning issue 32-12-5a1-P02 will be evaluated at the next federally evaluated Indian Point exercise.

3.3.1.2 New York State Accident Assessment

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

- a. MET: 1.e.1, 2.a.1, 2.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.3 Nine Mile Point/Fitzpatrick 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. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.4 Nine Mile Point/Fitzpatrick Joint Information 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.
- b. AREAS REQUIRING CORRECTIVE ACTION: 5.b.1.

ISSUE NO.: 40-13-5b1-A-02

CRITERION: OROs provide accurate emergency information and instructions to the public and news media in a timely manner.

CONDITION: Oswego County's News Release #6 was not consistent with EAS Message #2. During a media briefing at the Joint Information Center, there was some confusion between the ERPAs listed in the EAS message and the ERPAs listed in the press releases. There was a discrepancy between the two and they were believed to be the ERPAs located on water (Lake Ontario and the inland river locations). ERPA 23, an ERPA on the river was included in the EAS Message, but none of the others. The JIC staff realized the discrepancies after the 1300 media briefing with the release of EAS and press release #6 to the EAS station, but it was too late to make corrections. A new press release #7 was drafted and distributed to try and correct the confusion in the discrepancies with the water based ERPAs. At 1419, News Release #9 was published and was also inconsistent with EAS Message #3. ERPAs 24 and 25 were incorrectly described as ERPAS on Lake Ontario and there was an error in the reporting ERPA 20. Although the remaining water ERPAs were included in EAS Message #3, there was no reference in News Release #9 to

ERPAs 23, 26, 27, 28 and 29. ERPA 20 was listed twice and ERPA 10 was not listed at all, presumably a typographical error.

POSSIBLE CAUSE: The process for reviewing the EAS Messages and News Releases are complex, requiring the messages to be transferred via fax to different locations to be reviewed by different staff at different agencies. Not enough time was given to adequately review these messages thoroughly for accuracy and clarity.

REFERENCE: NUREG-0654/FEMA-REP-1, E.5, 7; G.3.a, G.4.a, c

EFFECT: Inconsistency and lack of clarity caused confusion among JIC staff. Spokespersons in the JIC were not able to accurately convey a message to the media during the media briefings due to the discrepancies in messaging. The public would receive conflicting messaging due to incomplete EAS Broadcast message and the information reported by the media.

CORRECTIVE ACTION DEMONSTRATED: EAS Messages and press releases were consistent the Public Instruction and Information section of the August Extent of Play Agreement. During the remedial exercise EAS messages and press releases were verified for accuracy and consistency by the Oswego County Executive and OCDEM prior to being disseminated. Based on the successful redemonstration ARCA 40-13-5b1-A02 is resolved.

- c. DEFICIENCY: None
- d. PLAN ISSUES: 5.a.1, 5.b.1.

ISSUE NO.: 40-13-5a1-P-02

CRITERION: Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance.

CONDITION: When the federal evaluator asked to speak to the key EAS source

contact person listed in the Oswego County EAS procedures, WSYR radio station staff stated that person no longer worked at the radio station.

POSSIBLE CAUSE: The Procedures were not updated after the previous Program Director left the radio station.

REFERENCE: NUREG-0654/FEMA-REP-1, E.5, 6, 7

EFFECT: This could result in the EAS Activator asking to speak to a former employee that no longer worked at the EAS radio station. It could cause confusion as to the appropriate person that the EAS Activator needs to speak with.

RECOMMENDATION: The Emergency Alert System Procedures in the Oswego County Radiological Emergency Preparedness Plan need to be updated. Procedures should only use titles instead of names when referring to the key EAS source contact person to avoid inaccurate or dated information.

ISSUE NO.: 40-13-5b1-P-03

CRITERION: OROs provide accurate emergency information and instructions to the public and news media in a timely manner.

CONDITION: Media monitoring staff were instructed to monitor social media. Inadequate media monitoring to track rumors on social media sites at the Joint Information Center. One social media site (Twitter) is informally tracked on the same computer that tracks online news. Facebook and additional social media sites are not viewed. There is no formal procedure within the Joint Information Center Procedures Nine Mile Point/J.A. FitzPatrick that describes how to track social media.

POSSIBLE CAUSE: There is no formal procedure within the Nine Mile Point Nuclear Power Plant Plan that describes how to track social media.

REFERENCE: NUREG-0654/FEMA-REP-1, E.5, 7;G.3.a, G.4.a, c

EFFECT: Rumors will proliferate across social media sites outside the established TV/Radio/Print media network.

RECOMMENDATION: It is recommended that the Oswego County develop and implement planning procedures to identify and correct erroneous rumors on the Internet's social media sites.

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

3.3.1.5 EAS Radio Station (WSYR)

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

- a. MET: 1.d.1, 5.a.1, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2 Risk Jurisdictions

3.3.2.1 Oswego County - Warning Point

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

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

3.3.2.2 Oswego County Emergency Operations Center

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, 2.a.1, 2.b.2, 2.c.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.a.1, 5.a.3, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 1.c.1, 5.b.1.

ISSUE NO.: 40-13-1c1-A-04

CRITERION: Key personnel with leadership roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible.

CONDITION: News Releases and EAS messages should contain all the evacuation information described for all the previously, and newly evacuated ERPAs.

During the redemonstration, EAS Message #2 referenced only the newly evacuated ERPAs 1, 2, 3, 4, and 7. Previously evacuated ERPAs 23-29 were not mentioned. Corresponding News Release #5 correctly identified all the evacuated ERPAs 1,2,3,4, and 7 along with ERPAs 23-29.

EAS Message number 3 made reference to newly evacuated ERPAs 5 and 9 and previously evacuated ERPAs 1, 2,3,4,7 but made no mention of previously evacuated ERPAs 23-29. Corresponding News Release number 6 correctly identifies newly evacuated ERPAs 5, 9 and previously evacuated ERPAs 1, 2, 3, 4, 7 along with ERPAs 23-29.

POSSIBLE CAUSE: The sample template in the Oswego County Plan Appendix B – Sample News Release for EAS Activation - page B10 includes language that states “County officials remind people that Emergency Response Planning Areas 23 through 29, which include Lake Ontario in a 10 mile radius of the nuclear power plants and the Oswego River between Lake Ontario and Hickory Grove Road in the Town of Granby, were closed earlier today.”

REFERENCE: NUREG-0654 E.7

REP Program Manual June 2013, Page II-35

EFFECT: Lack of reference to previously evacuated ERPAS could lead to confusion thus impacting public health and safety.

RECOMMENDATION: The Joint Information Center Procedures Nine Mile Point / J.A. FitzPatrick Public Education Work Plan - Page 14, under Required EAS Message Content, third bullet requires “identification of the area affected by the situation” should be revised to: and shall include previously evacuated ERPAs by number.

The Joint Information Center Procedures Nine Mile Point / J.A. FitzPatrick Public Education Work Plan - Page 17 - EAS Message Preparation Procedures should be reviewed to include information regarding previously evacuated ERPAs by number.

ISSUE NO.: 40-13-5b1-A-03

CRITERION: OROs provide accurate emergency information and instructions to the public and news media in a timely manner.

CONDITION: The pre-scripted EAS messages and News Releases did not contain all the information necessary to provide the public with instructions on implementing the Protective Action Decisions.

POSSIBLE CAUSE: Information omitted from the pre-scripted message, or author failed to include emergency information.

REFERENCE: NUREG-0654 E.5, 7; G.3.a; G.4.c

EFFECT: Evacuees would not know what to do with their pets; to bring them, leave them home or take them to the Reception Center.

CORRECTIVE ACTION DEMONSTRATED: On August 13, 2013 Oswego County participated in a redemonstration of the 2013 NMP REP Exercise originally conducted on June 18th. During this demonstration at 1155, Oswego County

published a News Release that was approved by Oswego County Legislature Chairman.

The News Release identified there was an accident at Nine Mile Point (NMP) Nuclear Station Unit 1 and a General Emergency was declared. Also, the public in Emergency Response Planning Areas (ERPAs) 1, 2, 3, 4, and 7 were advised to evacuate and swallow KI. Directions were included on how to get to reception centers along with telephone numbers on who to call if anyone needed special assistance or to clarify any information. In addition, the News Release provided information on items evacuees should bring with them along with handling of their pets.

Oswego County successfully corrected the issue previously identified by including all of the above information, including what to do with pets during the evacuation.

c. DEFICIENCY: 1.c.1.

ISSUE NO.: 40-13-1c1-D-01

CRITERION: Key personnel with leadership roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible.

CONDITION: Timeliness of protective action decisions. Also, as noted in the write-up under 5.b.1 for Oswego County, the decision-makers, who signed off on all EAS messages and News Releases, did not check them thoroughly for accuracy

POSSIBLE CAUSE: Lack of attention to the timeliness of protective action decisions.

Lack of attention to EAS message and News Release detail.

REFERENCE: NUREG 0654 - A.1.d; A.2.a,b;

EFFECT: Timeliness of protective action decisions could adversely impact public health and safety.

Inconsistent messaging could result in public confusion on exactly what areas were to be evacuated.

CORRECTIVE ACTION DEMONSTRATED: The Oswego County Emergency Management Office successfully demonstrated the ability to provide the public with timely EAS messages and consistent New Releases during an August 13, 2013 remedial exercise. The purpose of remedial exercise was to evaluate criteria classified as a Deficiency in the June 19, 2013 plume phase exercise.

A new scenario and limited extent of play was developed for the remedial exercise. The evaluated portion of the scenario began play at the Site Area Emergency (SAE). The scenario was run by inject messages from controllers with sufficient detail to ensure the demonstration of the required criteria 1.c.1, Direction and Control and 5.b.1, Emergency Notification and Public Information.

The exercise scenario began at the Alert Emergency Classification Level (ECL) declared at 0800. News Release #1 issued by Oswego County Joint Information Center (JIC) at 0945 described the Precautionary Action of closing parks and clearing of waterways in the 10 mile Emergency Planning Zone around the Nine Mile Point Nuclear Power Plant (NMP) that include the Emergency Response Planning Areas (ERPAs) 23-29 and was authorized by the Oswego County Chairman of the Legislature.

Per the extent of play agreement these decisions were not evaluated but established a baseline for plant conditions and actions taken by the Chairman of the Legislature, County Administrator and Oswego County Director of Emergency Management (OCDEM) prior to the evaluated SAE declaration.

At 1010 NY Office of Emergency Management (OEM) informed the OCDEM via the Executive Hotline that an SAE had been declared at NMP based on deteriorating plant condition at 1010, with no release and no Protective Action Recommendations (PARs) made. The Radiological Emergency Communications System (RECS) confirmatory Part 1 form was received via fax by the County at 1015.

The OCDEM requested that Onondaga Reception Center located at the New York State Fairgrounds in Syracuse be placed on standby and the State Department of Transportation check on the status of Interstate 481 and 690 for any impediments to evacuation at 1018.

The OCDEM requested the Schools Coordinator to contact Oswego and Mexico Schools to cancel the Regents examinations scheduled for today. In addition, the OCDEM requested that buses be staged for the possible evacuation of schools for ERPAs 1,2,3,4,7,14,15,16,17, and 29 at 1021.

News Release #4 "Precautionary School Closing and Relocation to Reception Center" was distributed to the public at 1141.

At 1027 the County Radiological Officer briefed the OCDEM, Chairman of the Legislature and County Administrator that there was no release. Field Monitoring Teams (FMT) previously deployed were reporting background readings.

The decision to broadcast a heads up Emergency Alert System (EAS) message #1, "Initial Notification No Protective Actions" was discussed at 1010, by the OCDEM in conjunction with the Chairman of the Legislature and County Administrator. The decision time was 1031. Sirens were sounded at 1042 and EAS and aired at 1046. There were no reported siren failures. The EAS message informed the public of the SAE at NMP and that no release had taken place, and no precautionary measures were necessary. Corresponding News Release #2 issued from the County JIC was consistent with the information provided in EAS #1 and distributed to the public at 1050.

At 1031 a State of Emergency message for Oswego County for a period of five days was drafted by the Chairman of the Oswego County Legislature and OCDEM. News Release #3 provided the State of Emergency notification to the general public at 1128.

A General Emergency (GE) was declared by the utility at 1105 based on continued deteriorating plant conditions. The confirmatory RECS Part 1 form was received via fax by the County at 1110. No Protective Action Guidelines (PAGS) were exceeded, however a Protective Action Recommendation (PAR) was made to evacuate ERPAs

1,2,3,4,7, 26, and 27 and for the general population in the evacuated ERPAs and emergency workers to ingest KI.

The OCDEM directed EAS message #2 be crafted and advised the NY State OEM via the Executive hotline of the decision at 1130. The Oswego County Sirens were sounded at 1139 and EAS message broadcast at 1143 for the evacuation of ERPAs 1,2,3,4,and 7, for the general population in the evacuated ERPAs and emergency workers to ingest KI. The prior evacuation of waterway ERPAs 23-29 was not mentioned in the EAS message #2. There were no reported siren failures. Corresponding News Release #5 issued from the County JIC correctly contained the correct current and previously evacuated ERPAs and was distributed to the public at 1155.

During an Executive Hotline call with NY OEM at 1158 a revised PAR was received based on a wind shift and not plant status. The PAR was revised to include the evacuation of ERPAs 5 & 9 to the already evacuated ERPAs 1,2,3,4,7,23,24,25,26,27,28, and 29, also to ingest KI. The OCDEM directed EAS message number 3 be drafted for review to include the evacuation of ERPAs 5 and 9 in addition to the previously evacuated ERPAs 1,2,3,4,and 7 also for the general public to swallow KI. The confirmatory Part 1 RECS form was received via fax at 1200 and contained a PAR for the evacuation of ERPAs 1,2,3,4,5,7,9,26, and 27. No mention of the previously evacuated waterway ERPAs 23-29 was mentioned in EAS message #3. The corresponding News Release 6 correctly contained the current and previously evacuated ERPAs and was distributed to the public at 1229.

The remedial exercise was terminated at 1245.

Throughout the redemonstration EAS messages and press releases were timely and contained consistent information. The exclusion of previously evacuated waterway ERPA's in EAS messages and Press Releases is consistent with the current county plan, but should be rectified in future plans as a public safety measure to include them.

ARCA 40-13-1c1-A04 identifies a corrective action recommendation.

Based on the successful redemonstration Deficiency 40-13-1c1-D-01 is therefore closed.

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

3.3.2.3 Oswego County Accident Assessment

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

- a. MET: 1.e.1, 2.a.1, 2.b.1, 4.a.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.4 Oswego County - Field Monitoring Team A

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. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: 4.a.3.

ISSUE NO.: 40-13-4a3-P-04

CRITERION: Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams will move to an appropriate low-background location to determine whether any significant (as specified in the plan and/or procedures) amount of radioactivity has been collected on the sampling media.

CONDITION: Oswego County Field Monitoring Team (FMT)-2 members

conducted open and closed window readings at 3 inches and 3 feet from the ground as required by Procedure O. These readings help to determine when the FMT is in the plume and it is appropriate to take a representative air sample. Since the team is not knowledgeable regarding what these readings indicate and the procedure contains no information on this matter, the staff at the EMO would have to be relied upon to ensure that the team is actually in the plume and it is not overhead or it has already passed. However, open and closed window survey results are not transmitted to the EMO until after the sample is obtained, and the team moves to a low-background location and finishes counting it.

POSSIBLE CAUSE: Possible oversight in not including the information from Procedure O.

REFERENCE: NUREG-0654, I.8

EFFECT: The team could take an air sample in an area in which the plume is overhead or in an area that the plume has already passed.

CORRECTIVE ACTION DEMONSTRATED: Place an explanation of what ground and waist level surveys indicate in Procedure O and train FMT members or have appropriate EMO Staff notified immediately of open and closed window survey results so that they can validate that a representative air sample is taken prior to actually taking and counting the sample.

- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 3.a.1.

ISSUE NO.: 24-11-3a1-A-01

ISSUE: FMT-A did not know what the RAD-60 audible alarms meant or what to do upon hearing an alarm.

CORRECTIVE ACTION DEMONSTRATED: Attachment 1 of Procedure O, in Section 3.4, rev 05/13 explains that the Rad-60 is preset to alarm at a dose rate of 1 R/hr and it is also set to alarm at a cumulative dose of 1R.

During the exercise, FMT-2 team members were questioned and were found to be knowledgeable regarding: the turnback value; how they would know that their turnback value was exceeded; and what actions they would take if this were to occur. They were all aware of the 1 R/hr turnback value, which had been reinforced via radio transmission several times by the Field Team Coordinator. They also knew that their Rad-60 electronic dosimeters would alarm at this value (and at 1 R exposure) and that they should notify their Field Team Coordinator and turn back if this occurred.

ISSUE NO.: 24-11-3a1-A-02

ISSUE: No record of whether KI was ingested by FMT-A members. OC-EOC was unaware one member of FMT-2 did not simulate ingestion of KI.

CORRECTIVE ACTION DEMONSTRATED: The Oswego County Radiological Field Monitoring Team Briefing Form, Figure 4 of Procedure C, Rev 3/13, requires the Rad Specialist briefing the teams to ask if there is anyone who would not ingest KI if asked to do so. Instructions are to replace anyone who responds yes.

During the exercise, the Rad Specialist briefed the FMTs. She emphasized the need to take potassium iodide (KI) only when told to do so, but all team members must take KI when asked to. One team member from another FMT stated that he could not take KI and he was immediately disqualified from participating and replaced.

Also during the exercise, when FMTs were required to take KI, a record was maintained by the Field Team Coordinator using the Oswego County Radiological Exposure Log.

g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.5 Oswego County - Field Monitoring Team B

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. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.6 Oswego County - Traffic Control Point - Oswego County Sheriff

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. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.7 Oswego County - Traffic Control Point - Oswego City Police Department

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. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.8 Oswego County - Backup Route Alerting

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

- a. MET: 3.a.1, 5.a.3.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.9 Oswego County - School Interview - Kingsford Park Elementary School

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

- a. MET: 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.10 Oswego County - School Interview - Mexico Middle School

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

- a. MET: 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.11 Oswego County - School Interview - Oswego Community Christian School

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

- a. MET: 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.12 Oswego County - School Interview - Trinity Catholic School

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

- a. MET: 3.c.2.
- b. AREAS REQUIRING CORRECTIVE ACTION: 3.c.2.

ISSUE NO.: 40-13-3c2-A-01

CRITERION: OROs/school officials implement protective actions for schools.

CONDITION: The school principal of the Trinity Catholic School was unaware of the answers to many of the questions presented, such as having policies in place for shelter-in-place and early dismissal. She was unaware of how and by whom is the school is notified if there is an incident requiring protective actions, and did not know how many buses were required to evacuate her school. How bus drivers are communicated with while enroute was also not well understood. The principal did not have a point of contact at the Reception Center and has not received any radiological emergency preparedness training.

POSSIBLE CAUSE: The principal is new this year (started in September) and has not yet received radiological emergency preparedness training.

REFERENCE: NUREG-0654/FEMA-REP-1,D.4; J.9; J.10.d, e.

EFFECT: Students at Trinity Catholic School might not be evacuated in a safe,

efficient manner during an emergency at Nine Mile Point Nuclear Generating Station, possibly resulting in exposure and contamination if there had been a radiological release.

CORRECTIVE ACTION DEMONSTRATED: During an interview for the redemonstration, the Trinity School Principal was able to accurately answer questions regarding the school's emergency plan. She has had time to read the school's plans, implement training, and meet and train with Oswego County Emergency Management Office.

The school receives radiological emergency training for school administrators each year and when requested, from Oswego County Emergency Management staff. Input to the county plan could be made at that time or any time by contacting the Oswego County Office of Emergency Management. The schools conduct regular fire drills and go home early exercises. The school conducts in - house training each month. They also have a Safety Committee in place. All teachers will be trained in emergency preparedness. The school has also been in contact with the county for other training requests.

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.13 Oswego County - School Bus Company - City School District of Oswego

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

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

3.3.2.14 Oswego County - Medical Services Transport - Oswego County Ambulance Services

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

- a. MET: 3.a.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.15 Oswego County - Medical Services Hospital - Syracuse University Hospital

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

- a. MET: 3.a.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. 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 Nine Mile Point Nuclear Power Station, will remain in effect.

APPENDIX A: IMPROVEMENT PLAN

Issue Number: 40-13-5a1-P-02		Criterion: 5a1
ISSUE: When the federal evaluator asked to speak to the key EAS source contact person listed in the Oswego County EAS procedures, WSYR radio station staff stated that person no longer worked at the radio station.		
RECOMMENDATION: The Emergency Alert System Procedures in the Oswego County Radiological Emergency Preparedness Plan need to be updated. Procedures should only use titles instead of names when referring to the key EAS source contact person to avoid inaccurate or dated information.		
CORRECTIVE ACTION DESCRIPTION:		
CAPABILITY:	PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

Issue Number: 40-13-5b1-P-03		Criterion: 5b1
ISSUE: Media monitoring staff were instructed to monitor social media. Inadequate media monitoring to track rumors on social media sites at the Joint Information Center. One social media site (Twitter) is informally tracked on the same computer that tracks online news. Facebook and additional social media sites are not viewed. There is no formal procedure within the Joint Information Center Procedures Nine Mile Point/J.A. FitzPatrick that describes how to track social media.		
RECOMMENDATION: It is recommended that the Oswego County develop and implement planning procedures to identify and correct erroneous rumors on the Internet's social media sites.		
CORRECTIVE ACTION DESCRIPTION:		
CAPABILITY:	PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

Issue Number: 40-13-1c1-A-04

Criterion: 1c1

ISSUE: News Releases and EAS messages should contain all the evacuation information described for all the previously, and newly evacuated ERPAs.

During the redemonstration, EAS Message #2 referenced only the newly evacuated ERPAs 1, 2, 3, 4, and 7. Previously evacuated ERPAs 23-29 were not mentioned. Corresponding News Release #5 correctly identified all the evacuated ERPAs 1,2,3,4, and 7 along with ERPAs 23-29.

EAS Message number 3 made reference to newly evacuated ERPAs 5 and 9 and previously evacuated ERPAs 1, 2,3,4,7 but made no mention of previously evacuated ERPAs 23-29. Corresponding News Release number 6 correctly identifies newly evacuated ERPAs 5, 9 and previously evacuated ERPAs 1, 2, 3, 4, 7 along with ERPAs 23-29.

RECOMMENDATION: The Joint Information Center Procedures Nine Mile Point / J.A. FitzPatrick Public Education Work Plan - Page 14, under Required EAS Message Content, third bullet requires "identification of the area affected by the situation" should be revised to: and shall include previously evacuated ERPAs by number.

The Joint Information Center Procedures Nine Mile Point / J.A. FitzPatrick Public Education Work Plan - Page 17 - EAS Message Preparation Procedures should be reviewed to include information regarding previously evacuated ERPAs by number.

CORRECTIVE ACTION DESCRIPTION:

CAPABILITY:

PRIMARY RESPONSIBLE AGENCY:

CAPABILITY ELEMENT:

START DATE:

AGENCY POC:

ESTIMATED COMPLETION DATE:

APPENDIX B: EXERCISE TIMELINE

APPENDIX C: EXERCISE EVALUATORS AND TEAM LEADERS

DATE: 2013-06-19, SITE: Nine Mile Point Nuclear Power Station, NY

LOCATION	EVALUATOR	AGENCY
New York State Emergency Operations Center	Korkean Dulgerian *Brian Hasemann John Rice Barbara Thomas	FEMA RII FEMA RII FEMA RI FEMA RI
New York State Accident Assessment	Ronald Biernacki	ICFI
Nine Mile Point/Fitzpatrick Emergency Operations Facility	*Scott Flowerday	FEMA RVI
Nine Mile Point/Fitzpatrick Joint Information Center	George Allen *Chris Cammarata Russell Fox	US FDA FEMA RII FEMA
EAS Radio Station (WSYR)	Miriam Weston	FEMA RII
Oswego County - Warning Point	Sara Gelves	FEMA
Oswego County Emergency Operations Center	Brad DeKorte Linda Gee Patricia Mason Terry Sheehan Michele Sturman	FEMA RVI FEMA RVI FEMA RII DOT FEMA
Oswego County Accident Assessment	*Joseph Keller	ICFI
Oswego County - Field Monitoring Team A	*Korkean Dulgerian	FEMA RII
Oswego County - Field Monitoring Team B	Michael DeBonis	USEPA
Oswego County - Traffic Control Point - Oswego County Sheriff	Kevin Reed	FEMA RII
Oswego County - Traffic Control Point - Oswego City Police Department	Kevin Reed	FEMA RII
Oswego County - Backup Route Alerting	Laura Forrest	FEMA RII
Oswego County - School Interview - Kingsford Park Elementary School	*Mabel Santiago	FEMA
Oswego County - School Interview - Mexico Middle School	Patricia Mason	FEMA RII
Oswego County - School Interview - Oswego Community Christian School	*Mabel Santiago	FEMA
Oswego County - School Interview - Trinity Catholic School	Patricia Mason	FEMA RII
Oswego County - School Bus Company - City School District of Oswego	Patricia Mason	FEMA RII
Oswego County - Medical Services Transport - Oswego County Ambulance Services	*Mabel Santiago	FEMA
Oswego County - Medical Services Hospital - Syracuse University Hospital	*Mabel Santiago	FEMA
* Team Leader		

APPENDIX D: ACRONYMS AND ABBREVIATIONS

Acronym	Meaning
DC	Dosimetry Coordinator
DRD	Direct Reading Dosimeters
ED	Emergency Department
EOC	Emergency Operations Center
EPZ	Emergency Planning Zone
EW	Emergency Worker
FEMA	Federal Emergency Management Agency
FNPP	Fitzpatrick Nuclear Plant
NMP	Nine Mile Point
NMPNPS	Nine Mile Point Nuclear Power Station
OC	Oswego County
OCAS	Oswego County Ambulance Service
OSL	Optically Stimulated Luminescent
PDL	Personnel Dosimetry Log
PRD	Permanent Record Dosimeters
REA	Radiological Emergency Area
REC	Radiological Emergency Cart
RM	Radiation Monitor
RSO	Radiation Safety Office
SRD	Self Reading Dosimeter
TEDE	Total Effective Dose Equivalent
UUH	Upstate University Hospital

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