



FEMA

August 1, 2012

Mr. Bill Dean
Regional Administrator
Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Mr. Dean:

Enclosed is a copy of the Final Report for the Seabrook Station Plume and Post Plume Biennial Exercise, conducted on April 17-18, 2012.

The Commonwealth of Massachusetts, State of New Hampshire, State of Maine and local emergency response organizations successfully demonstrated their capabilities to implement their off-site radiological emergency response plans and procedures based on the evaluation of this exercise by a team of Federal evaluators with final determinations made by the Regional Assistance Committee (RAC) Chair.

There were four Areas Requiring Corrective Action (ARCA) as a result of this exercise. There were no deficiencies. There are four open ARCAs as a result of this exercise: one due to Emergency Operations Facility not providing adequate instructions to Field Teams. The three remaining ARCA's at Kingston, Newfields and Portsmouth Emergency Operations Centers were that the Radiological Officers failed to provide adequate dosimetry briefings to Emergency Workers. State and local preparedness remains adequate to protect the health and safety of the public living in the vicinity of the Seabrook Station and provides reasonable assurance that appropriate measures can be taken off-site in the event of a radiological emergency.

If you have any questions, please contact me at (617) 832-4731, or John Rice at (617) 956-7509.

U.S. Department of Homeland Security
FEMA Region I
99 High St., 5th Floor
Boston, MA 02110-2320



FEMA

Sincerely,

A handwritten signature in black ink, appearing to read "Steve L. Colman". The signature is fluid and cursive, with a long horizontal line extending from the end.

Steve L. Colman
Regional Assistance Committee Chair

cc: NRC Headquarters Document Control Desk
Nancy McNamara, Liaison Officer, NRC Region I
Steve Colman, Branch Chief, FEMA RI

Enclosure



Seabrook Station

After Action Report/ Improvement Plan

Exercise Date - April 18, 2012

Radiological Emergency Preparedness (REP) Program



FEMA

Published August 01, 2012

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Seabrook Station After Action Report/Improvement Plan

Published August 01, 2012

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EXECUTIVE SUMMARY

On April 17, 2012 and April 18, 2012, the U.S. Department of Homeland Security (DHS), Preparedness Directorate, National Preparedness Division, Radiological Emergency Preparedness (REP), Federal Emergency Management Agency (FEMA) Region I conducted an exercise in the 10-mile plume exposure pathway emergency planning zone and the 50-mile ingestion exposure pathway emergency planning zone around the Seabrook Nuclear Power Station. Interviews and out-of-sequence demonstrations for schools, other special facilities, and reception, monitoring, and decontamination centers (as outlined in this report) were conducted within 60 days of the exercise. The purpose of the exercise and out-of-sequence activities 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 (RERP) and procedures.

DHS wishes to acknowledge the efforts of the many individuals in The State of New Hampshire, The Commonwealth of Massachusetts, State of Maine, local communities, and private and volunteer organizations that 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 out-of-sequence activities.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Seabrook Station

Type of Exercise

Ingestion

Exercise Date

April 18, 2012

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 Seabrook Station exercise:

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The FEMA Region I evaluated the exercise on April 17, 2012 and April 18, 2012, to assess the capabilities of local emergency preparedness organizations in implementing their Radiological Emergency Response Plans (RERPs) and procedures to protect the public health and safety during a radiological emergency involving Seabrook Nuclear Power Station. The purpose of this report is to present the results and findings on the performance of the offsite response organizations (OROs) during a simulated radiological emergency in the HSEEP format.

2.2 Exercise Objectives, Capabilities and Activities

2.3 Scenario Summary

The exercise scenario was developed to evaluate the response of the exercise participants to a radiological emergency. The scenario is listed in Appendix: Exercise Plan.

SECTION 3: ANALYSIS OF CAPABILITIES

3.1 Exercise Evaluation and Results

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the April 17, 2012 and April 18, 2012 Ingestion Plume Exercise, conducted to test the offsite emergency response capabilities of State and local governments in the Seabrook Nuclear Power Station 10-Mile and 50-Mile Emergency Planning Zone.

Each jurisdiction and functional entity was evaluated on its demonstration of criteria contained in the exercise evaluation areas as outlined in the federal Register, Volume 67, No. 80 "FEMA - Radiological Emergency Preparedness: Exercise Evaluation Methodology" (April 25, 2002).

Detailed information on the evaluation area criteria and the extent-of-play agreements for the drill are included as appendices to this report.

3.2 Summary Results of Exercise Evaluation

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

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

D - Deficiency assessed

P - Plan Issues

N - Not Demonstrated

Table 3.1 - Summary of Exercise Evaluation (14 pages)

<p>DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p>M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		NH SEOC	NH SS EOF	NH State Police	Rockingham Dispatch	NH SS JIC	NH SS FMT-1	NH SS FMT-2	Brentwood EOC	East Kingston EOC	Exeter EOC	Greenland EOC
Emergency Operations Management												
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M	M
Facilities	1b1				M				M			
Direction and Control	1c1	M	M		M				M	M	M	
Communications Equipment	1d1	M	M	M	M	M	M	M	M	M	M	
Equipment and Supplies to Support Operations	1e1	M	M	M	M	M	M	M	M	M	M	M
Protective Action Decision Making												
Emergency Worker Exposure Control	2a1	M										
Dose Assessment & PARs & PADs for the Emergency Event	2b1	M	M									
Dose Assessment & PARs & PADs for the Emergency Event	2b2	M										
PADs for the Protection of persons with disabilities and access/functional needs	2c1	M							M	M	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	M	M	M	P	M	M	M
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1		M				M	M	M	M	M	M
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1	M							M	M	M	
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2	M							M	M	M	M
Implementation of Traffic and Access Control	3d1	M							M	M	M	M
Implementation of Traffic and Access Control	3d2				M	M			M	M	M	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						P	M				
Plume Phase Field Measurement and Analyses	4a2		A									
Plume Phase Field Measurement and Analyses	4a3						M	P				
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	M			M							
RESERVED	5a2											
Activation of the Prompt Alert and Notification System	5a3											
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1	M				M			M	M	M	M
Support Operations/Facilities												
Monitoring, Decontamination, and Registration of Evacuees	6a1											

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Seabrook Station

Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1													
Temporary Care of Evacuees	6c1													
Transportation and Treatment of Contaminated Injured Individuals	6d1													

Table 3.1 - Summary of Exercise Evaluation (Continued. page 2/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		Hampton EOC	Hampton Falls EOC	Kensington EOC	Kingston NH EOC	New Castle EOC	Newfields EOC	Newton EOC	North Hampton EOC	Portsmouth EOC	Rochester EOC	Rye EOC
Emergency Operations Management												
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M	M
Facilities	1b1									M		
Direction and Control	1c1	M	M	M	M	M	M	M	M		M	
Communications Equipment	1d1	M	M	M	M	M	M	M	M		M	
Equipment and Supplies to Support Operations	1e1	M	M	M	M	M	M	M	M	M		M
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	M	M	M	M	M	M	M	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	M	P	M	A	M	M	A		M
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M		M
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1	M	M	M	M	M	M	M	M		M	
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2	M	M	M	M	M	M	M	M	M		M
Implementation of Traffic and Access Control	3d1	M	M	M	M	M	M	M	M	M	M	M
Implementation of Traffic and Access Control	3d2	M	M	M	M	M	M	M	M	M	M	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											
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											
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1	M	M	M	M	M	M	M	M	M	M	M
Support Operations/Facilities												
Monitoring, Decontamination, and Registration of Evacuees	6a1											

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After Action Report/Improvement Plan

Seabrook Station

Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1													
Temporary Care of Evacuees	6c1													
Transportation and Treatment of Contaminated Injured Individuals	6d1													

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After Action Report/Improvement Plan

Seabrook Station

Monitoring, Decontamination, and Registration of Evacuees	6a1											
Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1											
Temporary Care of Evacuees	6c1											
Transportation and Treatment of Contaminated Injured Individuals	6d1											

Table 3.1 - Summary of Exercise Evaluation (Continued. page 4/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		MA SS FMT-1	MA SS FMT-2	Amesbury EOC	Merrimac EOC	Newbury EOC	Newburyport EOC	Salisbury EOC	West Newbury EOC	Amesbury Superintendent	Pentucket Superintendent
Emergency Operations Management											
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M
Facilities	1b1										
Direction and Control	1c1			M	M	M	M	M	M		
Communications Equipment	1d1	M	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										
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	M	M		
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	M
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1			M	M	M	M	M	M		
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2			M	M	M	M	M	M	M	M
Implementation of Traffic and Access Control	3d1			M	M	M	M	M	M		
Implementation of Traffic and Access Control	3d2			M	M	M	M	M	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	M	M								
Plume Phase Field Measurement and Analyses	4a2										
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										
RESERVED	5a2										
Activation of the Prompt Alert and Notification System	5a3										
Activation of the Prompt Alert and Notification System	5a4										
Emergency Information and Instructions for the Public and the Media	5b1			M	M	M	M	M	M		
Support Operations/Facilities											
Monitoring, Decontamination, and Registration of Evacuees	6a1										

Unclassified

Seabrook Station

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Table 3.1 - Summary of Exercise Evaluation (Continued. page 5/14)

DATE: 2012-04-18 SITE: Seabrook Station, NH M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated		MA 211 Center	MA Lab - Day 2	NH SEOC - Day 2	NH FST - 1 (Day 2)	NH FST - 2 (Day 2)	NH Lab	ME SEOC - Day 1	ME SEOC - Day 2	ME SS IFO - Day 1	ME SS IFO - Day 2
Emergency Operations Management											
Mobilization	1a1				M	M		M			
Facilities	1b1							M			
Direction and Control	1c1							M			
Communications Equipment	1d1	M			M	M		M			
Equipment and Supplies to Support Operations	1e1	M	M		M	M	P	M			
Protective Action Decision Making											
Emergency Worker Exposure Control	2a1			M				M	M		
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			M					M		
Radiological Assessment & Decision-making Concerning Post-Plume Phase Relocation, Reentry, and Return	2e1			M					M		
Protective Action Implementation											
Implementation of Emergency Worker Exposure Control	3a1		M		P	M	M		M		
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1				M	M		M	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										
Implementation of Traffic and Access Control	3d1			M					M		
Implementation of Traffic and Access Control	3d2								M		
Implementation of Ingestion Pathway Decisions	3e1			M					M		
Implementation of Ingestion Pathway Decisions	3e2			M					M		
Implementation of Post-Plume Phase Relocation, Reentry, and Return Decisions	3f1			M					M		
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				M	M					
Laboratory Operations	4c1		M				M				
Emergency Notification and Public Info											
Activation of the Prompt Alert and Notification System	5a1			M							
RESERVED	5a2										
Activation of the Prompt Alert and Notification System	5a3										
Activation of the Prompt Alert and Notification System	5a4										
Emergency Information and Instructions for the Public and the Media	5b1	M		M				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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Transportation and Treatment of Contaminated Injured Individuals	6d1												
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Table 3.1 - Summary of Exercise Evaluation (Continued: page 6/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		ME York County EOC	ME FST - 1	ME Health and Environmental Lab	EOC Local Liaison	RRC	RRC Vehicles	RRC Registration	RCC Dosimetry AND Briefing	Manchester NS RC Ops	Manchester RC Dosimetry
Emergency Operations Management											
Mobilization	1a1	M	M			M				M	
Facilities	1b1	M									
Direction and Control	1c1	M	M		M	M				M	
Communications Equipment	1d1	M	M		M	M				M	
Equipment and Supplies to Support Operations	1e1	M	P	M		M				M	
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				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	P	M					M		M
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	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										
Implementation of Traffic and Access Control	3d1	M					M				
Implementation of Traffic and Access Control	3d2	N									
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		M								
Laboratory Operations	4c1			M							
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										
Activation of the Prompt Alert and Notification System	5a4										
Emergency Information and Instructions for the Public and the Media	5b1	M									

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Support Operations/Facilities									
Monitoring, Decontamination, and Registration of Evacuees	6a1						M		
Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1					M			
Temporary Care of Evacuees	6c1								
Transportation and Treatment of Contaminated Injured Individuals	6d1								

Table 3.1 - Summary of Exercise Evaluation (Continued. page 7/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		Manchester RC Vehicles	Manchester RC Female Decon	Manchester RC Regn	Manchester RC Male Mon/Decon	Manchester RC Portal & Dec Mon	RCC Portal and Secondary	RCC Male Monitoring/Decon	RCC Female Monitoring/Decon	RC STSA	WDH MS1
Emergency Operations Management											
Mobilization	1a1									M	
Facilities	1b1									M	
Direction and Control	1c1									M	
Communications Equipment	1d1									M	
Equipment and Supplies to Support Operations	1e1									M	
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	
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1									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										
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										
Activation of the Prompt Alert and Notification System	5a4										
Emergency Information and Instructions for the Public and the Media	5b1										
Support Operations/Facilities											

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Monitoring, Decontamination, and Registration of Evacuees	6a1		M	M	P	M	M	A	M		
Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1	P				M	M				
Temporary Care of Evacuees	6c1										
Transportation and Treatment of Contaminated Injured Individuals	6d1										M

Table 3.1 - Summary of Exercise Evaluation (Continued. page 8/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>			Elliot MS 1	Adeline C. Marston School	Cooperative Middle School	Heronfield Academy	Winnacunnet High School	Seabrook Elementary School	Lincoln Street Elementary School	Swasey Central School	Kensington Elementary School	Sanborn Regional High School
Emergency Operations Management												
Mobilization	1a1			M	M	M	M	M	M	M	M	M
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											
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1			M	M	M	M	M	M	M	M	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	M	M	M	M	M
Implementation of Traffic and Access Control	3d1											
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											
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1											
Support Operations/Facilities												

Seabrook Station

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Table 3.1 - Summary of Exercise Evaluation (Continued. page 9/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>		Memorial School	Exeter High School	Hampton Academy	North Hampton School	Greenland Central School	New Franklin School	Lister Academy	Amesbury Academy Charter	Cashman School	Little Sprouts Daycare
Emergency Operations Management											
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M
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										
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	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	M	M	M	M	M	M
Implementation of Traffic and Access Control	3d1										
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										
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										

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Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1											
Temporary Care of Evacuees	6c1											
Transportation and Treatment of Contaminated Injured Individuals	6d1											

Table 3.1 - Summary of Exercise Evaluation (Continued, page 10/14)

<p style="text-align: center;">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p style="text-align: center;">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>												
Emergency Operations Management												
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M	M
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											
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	M	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	M	M	M	M	M	M	M
Implementation of Traffic and Access Control	3d1											
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											
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											

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Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1											
Temporary Care of Evacuees	6c1											
Transportation and Treatment of Contaminated Injured Individuals	6d1											

Table 3.1 - Summary of Exercise Evaluation (Continued. page 11/14)

<p align="center">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p align="center">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>												
Emergency Operations Management												
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M	M
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											
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	M	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	M	M	M	M	M	M	M
Implementation of Traffic and Access Control	3d1											
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											
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1											
Support Operations/Facilities												

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Monitoring, Decontamination, and Registration of Evacuees	6a1												
Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles	6b1												
Temporary Care of Evacuees	6c1												
Transportation and Treatment of Contaminated Injured Individuals	6d1												

Table 3.1 - Summary of Exercise Evaluation (Continued. page 12/14)

<p style="text-align: center;">DATE: 2012-04-18 SITE: Seabrook Station, NH</p> <p style="text-align: center;">M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</p>												
Emergency Operations Management												
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M	M
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											
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	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	M	M	M		M	M	M	M	M	M
Implementation of Traffic and Access Control	3d1											
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											
Activation of the Prompt Alert and Notification System	5a4											
Emergency Information and Instructions for the Public and the Media	5b1											

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Table 3.1 - Summary of Exercise Evaluation (Continued. page 13/14)

DATE: 2012-04-18 SITE: Seabrook Station, NH M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated			Newton Learning Center	Over the Rainbow	My First School	Imprints Day School	Kids Stop Inc.	Oceanside Skilled Nursing and Rehab Ctr	The Ridge at Riverwoods	DeColores Childrens Center	Clipper Harbor of Portsmouth CRC	The Childrens Garden
Emergency Operations Management												
Mobilization	1a1	M	M	M	M	M	M	M	M	M	M	M
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											
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	M	M
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1						M	M		M		
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2	M	M	M	M	M			M		M	
Implementation of Traffic and Access Control	3d1											
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											
Activation of the Prompt Alert and Notification System	5a4											

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Table 3.1 - Summary of Exercise Evaluation (Continued. page 14/14)

		<div> <div>DATE: 2012-04-18</div> <div>SITE: Seabrook Station, NH</div> <div>M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated</div> </div>									
		Edgewood Center	Edgewood Learning Center	Kindercare Learning Center	Kathleen Tostenson	Pats Family Child Care	Live Yers	MA KI Site-Danvers	Inn Street Montessori	MA State Police Assembly- Troop A	Marsh Grammer School
Emergency Operations Management											
Mobilization	1a1	M	M	M	M	M	M		M		M
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										
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1	M	M	M	M	M	M	M	M	M	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	M	M		M		M
Implementation of Traffic and Access Control	3d1										
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										
Activation of the Prompt Alert and Notification System	5a4										
Emergency Information and Instructions for the Public and the Media	5b1										

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3.3 Criteria Evaluation Summaries

3.3.1 Massachusetts Jurisdictions

3.3.1.1 Massachusetts State Emergency Operations 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, 2.a.1, 2.b.1, 2.b.2, 2.c.1, 3.d.1, 3.d.2, 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

3.3.1.2 MA Region I EOC

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, 3.c.1, 3.c.2, 3.d.1, 3.d.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

3.3.1.3 MA (SS) 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, 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

3.3.1.4 MA (SS) 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, 3.b.1, 4.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

3.3.1.5 MA (SS) 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, 3.b.1, 4.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

3.3.1.6 MA Media Center

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

- a. MET: 1.d.1, 1.e.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

3.3.1.7 MA State Laboratory - Day 2

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

- a. MET: 1.e.1, 3.a.1, 4.c.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 Amesbury Local EOC

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, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.2.2 Merrimac Local EOC

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, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.2.3 Newbury Local EOC

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, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.2.4 Newburyport Local EOC

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, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.2.5 Salisbury Local EOC

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, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.2.6 West Newbury Local EOC

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, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.2.7 Amesbury: Amesbury Schools Superintendent

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.8 Pentucket Schools Superintendent

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.9 Amesbury: Amesbury Academy Charter

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

- a. MET: 1.a.1, 3.b.1, 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 Amesbury: Cashman School

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

- a. MET: 1.a.1, 3.b.1, 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 Amesbury: Little Sprouts Daycare

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

- a. MET: 1.a.1, 3.b.1, 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 Amesbury: Sparhawk Lower School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.13 Methuen: Timony School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.14 Amesbury: Camp Bauercrest

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.15 Newburyport: Residential Options

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.16 Newbury: Triton Supt.

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.17 Newburyport: Coastal Alternative School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.18 Newburyport: Community Action-Head Start

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.19 W. NewburyPathways for Learning

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.20 West Newbury: Learning Tree Preschool

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.21 Tewksbury High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.22 Salisbury: New Beginnings Learning Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.23 Newburyport: Kinder Care Daniel Lucy

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.24 Newburyport: Nock Middle School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.25 Newburyport: Newburyport Supt.

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.26 Newburyport: Kinder Care Low Street

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.27 Newburyport: Mrs. Murrays Preschool

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.28 Newburyport: Newburyport High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.29 Newburyport: Newburyport Residence

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.30 Newburyport: Newburyport Montessori

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.2.31 Newburyport: Inn Street Montessori

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.3 Support Jurisdictions

3.3.3.1 Lexington: Minuteman High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.3.2 Methuen: Methuen High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.3.3 Wilmington: Shriner's Auditorium

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.3.4 Wakefield: Wakefield High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.3.5 MA KIDispensing Site-Danvers

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

- a. MET: 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

3.3.3.6 MA State Police Assembly- Troop A

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

- a. MET: 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

3.3.3.7 Methuen: Marash Grammer School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.4 Maine Jurisdictions

3.3.4.1 ME 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.a.1, 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: None

3.3.4.2 ME State Emergency Operations Center - Day 2

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

- a. MET: 2.a.1, 2.d.1, 2.e.1, 3.a.1, 3.b.1, 3.d.1, 3.d.2, 3.e.1, 3.e.2, 3.f.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

3.3.4.3 ME Incident Field Office

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

3.3.4.4 ME Incident Field Office - Day 2

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

3.3.4.5 ME Field Sampling Team - 1

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, 3.b.1, 4.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: 1.e.1, 3.a.1.

ISSUE NO.: 57-12-1e1-P-

CRITERION: Equipment, maps, displays, dosimetry, KI, and other supplies are sufficient to support emergency operations.

CONDITION: The Field Monitoring Team (FMT) did not have a beta gamma survey instrument as called for in Procedure 2.11.

POSSIBLE CAUSE: The Eberline RO-2 or equivalent beta gamma survey instrument in the procedure was replaced with a Ludlum 2241-2 with a 44-2 gamma survey probe.

REFERENCE: NUREG-0654 H.7, H.10, and Maine Radiation Control Program Procedure 2.11 dated 12/2011, Revision 12.

EFFECT: Environmental sampling teams do not need a beta gamma survey instrument capability. A gamma survey instrument is sufficient. Hence, for the extent of play in this exercise there is no effect from the procedure non-compliance. However, if the intent is for the Maine Field Monitoring Team to be equipped to also perform plume tracking then, they need to have a beta gamma survey instrument to perform open and closed window readings. Without this capability the team cannot determine when they are in the plume.

RECOMMENDATION: The Radiation Control Program should update Procedure 2.11 to address the change to the survey equipment for the environmental sampling program. Also, if it is intended that the FMT perform plume tracking then a beta gamma survey instrument should be included in the kit.

ISSUE NO.: 57-12-3a1-P-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: Prior Issue 57-06-3a1-A-08 was closed and replaced by this planning issue. The original performance issue stated that Members of the Maine Sampling Team from the Department of Health and Human Services wore the permanent record dosimeters (PRDs) they routinely wear, but no PRDs were included in the dosimetry provided with the sampling equipment and supplies or issued to DOA team members prior to their deployment from the State Emergency Operation Center.

The Maine Emergency Management Agency has proposed that the non Radiation Control Program members of the Field Monitoring Team go to the York County EOC and obtain an emergency worker dosimetry packet. York County maintains a stockpile of PRD that they get from the State of New Hampshire.

POSSIBLE CAUSE: Permanent record dosimeters for field sampling team members were not included with the sampling equipment and dosimetry. The equipment inventory list in Procedure 2.11, Revision 11 (Attachment 1) lists the quantities of TLDs as "as needed" and notes that dosimetry is stored separately. The person assembling or inventorying the sampling equipment kit may have believed that all members already sampling team members already had PRDs.

REFERENCE: NUREG-0654, K.3.a

EFFECT: Since the direct reading dosimeters (DRDs) are less accurate than PRDs, and reading exposures below about 100 milliroentgens is difficult using a 0-5

roentgen (R), members of the field team without PRDs would have a less accurate and incomplete record of their exposure. The DRDs is not an official record of exposure.

RECOMMENDATION: This solution (all non RCP members of the FMT go to York County EOC to obtain dosimetry) needs to be documented in the plan and procedures so that all State Agencies and York County are aware of it.

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

ISSUE NO.: 57-06-3a1-A-08

ISSUE: Members of the Maine Sampling Team from the Department of Health and Human Services wore the permanent record dosimeters (PRDs) they routinely wear, but no PRDs were included in the dosimetry provided with the sampling equipment and supplies or issued to DOA team members prior to their deployment from the State Emergency Operation Center.

CORRECTIVE ACTION DEMONSTRATED: The Maine Emergency Management Agency proposed that the non Radiation Control Program members of the Field Monitoring Team go to the York County EOC and obtain an emergency worker dosimetry packet. York County maintains a stockpile of PRD that they get from the State of New Hampshire. This solution needs to be documented in the plan and procedures so that all State Agencies and York County are aware of it. A new planning issue will be issued and this performance issue will be closed.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.4.6 ME State Health and Environmental Testing Laboratory

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

- a. MET: 1.e.1, 3.a.1, 4.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None

-
- d. PLAN ISSUES: None
 - e. NOT DEMONSTRATED: None
 - f. PRIOR ISSUES - RESOLVED: 3.a.1, 4.c.1.

ISSUE NO.:

ISSUE: (Not found in the database!)

CORRECTIVE ACTION DEMONSTRATED:

ISSUE NO.: 57-00-3a1-A-44

ISSUE:

CORRECTIVE ACTION DEMONSTRATED: The Maine HETL corrected their past issue 57-00-3a1-A-44 of contamination control of the counter room detectors by covering with clear plastic the inside of the lead caves and over the detector heads.

ISSUE NO.: 57-00-4c1-A-42

ISSUE:

CORRECTIVE ACTION DEMONSTRATED: The Maine HETL corrected their past issue 57-00-4c1-A-42 of insufficient leak testing of the Direct Reading Dosimeters used at the HETL. The HETL now uses MGP Instrument DMC 2000S Personal Electronic Dosimeter, calibrated April 9, 2012, for dosimetry alarming and direct readings.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.5 Risk Jurisdictions

3.3.5.1 ME York County EOC

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

3.3.6 New Hampshire Jurisdictions

3.3.6.1 NH State Emergency Operations 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, 2.a.1, 2.b.1, 2.b.2, 2.c.1, 3.c.1, 3.c.2, 3.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: 1.c.1.

ISSUE NO.: 67-11-1c1-P-01

ISSUE: Some municipalities experienced problems interpreting the content of the emergency status portrayed on 301B Forms sent from the NH State EOC.

CORRECTIVE ACTION DEMONSTRATED: REDEMONSTRATION: The State of New Hampshire successfully redemonstrated the issuance of a properly executed 300B form with appropriate precautionary action, duly reviewed and approved on July 14, 2010, in the New Hampshire State EOC.

-
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.6.2 NH (SS) 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, 2.b.1, 3.a.1, 3.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 4.a.2.

ISSUE NO.: 57-12-4a2-A-

CRITERION: Field teams (two or more) are managed to obtain sufficient information to help characterize the release and to control radiation exposure.

CONDITION: The New Hampshire Field Monitoring Team 1(FMT 1) did not receive sufficient direction to support characterization of the release. FMT1 never received direction to find the leading edge of the plume. The sample locations of 3.2, 3.7 and 3.8 provided by the Monitoring Team Coordinator (MTC) to the FMT 1 Team Lead never allowed FMT1 to encounter any reading above background. Both air samples taken by FMT 1 were taken in background areas.

POSSIBLE CAUSE: The MTC received conflicting information from the Accident Assessment team at the State Emergency Operations Center (SEOC). The MTC followed the direction for the Accident Assessment team to keep FMT 1 out of the plume.

REFERENCE: REP Program Manual Pg II-64 Section f. FMTs will obtain plume-edge measurements. NUREG CRITERION I.8 Each organization, where appropriate, shall provide methods, equipment, and expertise to make rapid assessments of the actual or potential magnitude and locations of any radiological hazards through liquid or gaseous release pathways. This shall include activation, notification means, field team composition, transportation, communication, monitoring equipment, and estimated deployment times.

EFFECT: Due to the lack of data results above background FMT 1, the MTC did not successfully demonstrate the ability to characterize of the plume edges.

RECOMMENDATION: The Accident Assessment team and MTC should coordinate more effectively to direct both FMTs to identify the leading edges of the plume. The plans and procedures should reflect the need to identify the leading edges of the plume. Identify in the plans and procedures what actually constitutes the leading edges of a plume. For example when FMTs identify dose rates 10 times background this will be considered the leading edge of the plume.

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

3.3.6.3 NH State Police Communications Center, NH 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. 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

3.3.6.4 Rockingham County Dispatch 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, 3.a.1, 3.d.2, 5.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

3.3.6.5 NH (SS) Joint Information 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, 3.a.1, 3.d.2, 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

3.3.6.6 NH (SS) 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, 3.b.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: 4.a.1.

ISSUE NO.: 57-10-4a1-P-02

ISSUE: The NH Monitoring Teams' procedures in Section 2 address Instrument Checks for 5 survey instruments, 3 of which were used during the exercise. The instruments used were the Eberline 140, the CDV 718A and the RO-2. The other instruments were the RM-14, the PIC 6 and the CDV 700. The procedure for the instruments has the following statement: "verify that the meter responds to a Cs-137 check source". This statement does not satisfy the source check requirement of REP 14 that there be "a procedure for checking the performance of all monitoring instruments against an appropriate reading or range of readings for an identified check source." Since the CFD 2, the NH Monitoring Teams have implemented a verbal procedure for source checking the instruments, which was demonstrated. However, due to the lack of a written procedure, the operator had difficulty performing the verbal procedure. The check source used in the verbal procedure was an 8 microcurie Cs-137 source in a plastic dish. Each instrument had a sticky note

attached with an expected reading. However, the operator did not know whether to measure the source with the cover on or off, and whether to have the source in contact with the detector.

CORRECTIVE ACTION DEMONSTRATED:

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.6.7 NH (SS) 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, 3.b.1, 4.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 4.a.3.

ISSUE NO.: 57-10-4a3-P-03

ISSUE: Current field team procedures do not require teams to perform radiation surveys during air sampling to ensure that the plume has not shifted during air sampling. During the practice drills it was recommended that the field team procedure (Chapter 4, section 4.4) should be revised to require teams to conduct radiation surveys before, during and at the end of the air sampling period. During the exercise it was observed that the teams did implement the recommendation, but that the procedures were not changed to reflect the new survey procedure.

CORRECTIVE ACTION DEMONSTRATED:

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.6.8 MA (SS) 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, 2.b.1, 3.a.1, 3.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

3.3.6.9 NH State Emergency Operations Center Day 2

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

- a. MET: 2.a.1, 2.d.1, 2.e.1, 3.d.1, 3.e.1, 3.e.2, 3.f.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

3.3.6.10 NH - Field Sampling 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.b.1, 4.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: 3.a.1.

ISSUE NO.: 57-12-3a1-P-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or

chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: CONDITION (describe the inadequacy):

Field Sampling Team members were not aware that after the release has been terminated and entry into the intermediate phase, the dose limit reverts from the EPA-400 limits to those of Occupation Radiation Workers which is 5 REM TEDE. They were also not aware that any exposure accumulated during the emergency phase is not included in the intermediate exposure received.

POSSIBLE CAUSE: POSSIBLE CAUSE (what is responsible):

Plan does not contain the change of the dose limits, nor the exposures received not being additive

REFERENCE: NUREG-0654, K.3.a, b

EFFECT: The potential exists for Emergency Workers to exceed the allowable exposure limit for the intermediate phase.

RECOMMENDATION: Update the DPHS plan to state the change in the dose limit for Emergency Workers and include the emergency phase exposure is not included in the intermediate phase exposure received.

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

3.3.6.11 NH - Field Sampling 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, 3.b.1, 4.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

3.3.6.12 NH State Laboratory - Day 2

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

- a. MET: 3.a.1, 4.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: 1.e.1.

ISSUE NO.: 57-12-1e1-P-

CRITERION: Equipment, maps, displays, dosimetry, KI, and other supplies are sufficient to support emergency operations.

CONDITION: Prior to instrument use, no operational checks were performed that used a known source and required an instrument response to be within a prescribed range. Also, there was no label affixed to the instrument that defined an acceptable range for the instrument response to a specific source. This was the situation for each of the seven survey instruments used by Radiochemistry Unit.

POSSIBLE CAUSE: The State of New Hampshire Laboratory procedures do not require an operational check using a known source nor a label affixed to the instrument that specifies that the instrument response must fall within the defined range.

REFERENCE: H.10

EFFECT: No assurance that the instrument is operating properly

RECOMMENDATION: Modify State procedures to require an operational check for laboratory instrumentation prior to use using a known source and a label affixed to the instrument that defines that the instrument response must fall within a specific range.

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

3.3.6.13 NH State EOC Local Liaison

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

- a. MET: 1.c.1, 1.d.1, 2.c.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

3.3.6.14 Rochester Reception Center Dosimetry Issue and Briefing, Emergency Worker Dosimeter

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

- a. MET: 3.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

3.3.7 Risk Jurisdictions

3.3.7.1 Brentwood Local EOC

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.c.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None

d. PLAN ISSUES: 3.a.1.

ISSUE NO.: 57-12-3a1-P-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: During the conduct of the Seabrook Station (SS) Exercise on April 17, 2012, the Brentwood New Hampshire Emergency Operations Center (EOC) assigned a Radiological Defense (RADEF) Officer who had never been in the position before. The RADEF Officer did not understand his role in providing a briefing on dosimetry and potassium iodide (KI) to emergency workers before dispatching them to the field. He issued the dosimetry and KI without a briefing.

POSSIBLE CAUSE: The Radiological Defense (RADEF) Officer lacked the training needed to function in the role of the RADEF Officer.

REFERENCE: NUREG-0654/FEMA-REP 1; Part O Radiological Emergency Response Training

EFFECT: 1. Emergency Workers could have received unnecessary exposure as a result of a lack of understanding of administrative control levels/turn back dose.

2. Emergency Workers did not understand the health effects of potassium iodide (KI) if allergic, or possibly ingesting the pill without the need to ingest it.

CORRECTIVE ACTION DEMONSTRATED: The State of NH Controller in the Brentwood NH Emergency Operations Center (EOC) instructed the RADEF Officer on how to conduct a proper briefing of emergency workers prior to dispatching them to the field.

The RADEF Officer gave a second briefing to emergency workers and the Evaluator asked questions of two emergency workers (per the extent of play agreement). The briefing was given satisfactorily and both emergency workers correctly responded to a series of questions on the briefing.

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

3.3.7.2 East Kingston Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.3 Exeter Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.4 Greenland Local EOC

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

- a. MET: 1.a.1, 1.e.1, 3.a.1, 3.b.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.5 Hampton Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.6 Hampton Falls Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.7 Kensington Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.8 Kingston NH Local EOC

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

ISSUE NO.: 57-12-3a1-A-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: The RADEF Officer at the Kingston Emergency Operations Center (EOC) failed to provide an adequate first dosimetry briefing to emergency workers.

At 1130, during the Site Area Emergency (SAE) Emergency Classification Level (ECL) the RADEF Officer performed an Emergency Worker (EW) dosimetry briefing for three ambulance workers at the Kingston EOC. After this briefing, two of the EW were interviewed to determine their basic knowledge of radiation exposure limits, as specified, their knowledge of procedures to monitor and record dosimetry readings, and their ability to manage their radiological exposure. During this interview the EW were not able to correctly identify their first reporting level of 175

mR, or the subsequent levels to be reported to their supervisor. Using the supplied Emergency Worker Information sheet from the New Hampshire Dosimetry Equipment and Procedures Vol.8/Rev.14 both EW stated that they would report if one of their Direct-Reading Dosimeters (DRDs) were to go off scale. The EWs were issued two DRDs, one 0-200 mR and one 0-20 R.

POSSIBLE CAUSE: The briefing provided by the RADEF Officer consisted of his reading from the Emergency Worker Information sheet, New Hampshire Dosimetry Equipment and Procedures Vol.8/Rev.14, 10.8-1 to 10.8-6. It was determined by interview that the RADEF Officer was not specifically trained in this EOC staff position, but was assigned it on his arrival at the EOC. He therefore relied solely on the Emergency Worker Information sheet which was laid out in a way that confused both the RADEF Officer and the EWs as to administrative and turn-back limits.

REFERENCE: NUREG-0654/FEMA-REP-1 J.10.e; K3.a,b; K.4
New Hampshire Dosimetry Equipment and Procedures Volume 8, Section 10.8
Kingston Implementing Procedures, Section 3.11

EFFECT: The EW could potentially receive a higher radiation dose than allowed under EPA-400-R-92-001 and New Hampshire Plans and Procedures.

CORRECTIVE ACTION DEMONSTRATED: The RADEF Officer received supplemental training from the New Hampshire representative at the EOC and satisfactorily performed a second EW briefing. At 1340, after exercise termination, three EW were interviewed (including one EW from the first briefing/interview) who all demonstrated an adequate knowledge of radiation exposure limits as specified in New Hampshire plans and procedures, their knowledge of procedures to monitor and record dosimetry readings, and their ability to manage their radiological exposure.

- c. DEFICIENCY: None
- d. PLAN ISSUES: 3.a.1.

ISSUE NO.: 57-12-3a1-P-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and

manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: The RADEF Officer at the Kingston Emergency Operations Center (EOC) failed to supply potassium iodide (KI) tablets with a briefing to the entire facility staff as per Kingston Plans and Procedures.

POSSIBLE CAUSE: At 1201, Kingston's Emergency Management Director (EMD) confirmed that the State of New Hampshire recommended that all EW take KI within the Emergency Planning Zone. This was relayed to the RADEF Officer who occupies an adjacent room within the facility. The RADEF Officer and his assistants distributed four KI tablets to EOC staff per their plans and procedures. At 1241, the RADEF Officer conducted a KI briefing in the EOC proper and staff was directed to simulate taking one KI tablet.

The EOC is located on the second floor of the Kingston Fire Station. Along with the EOC room, a radio room (with three staff) and EOC Security at the stairs (with two staff) are also located in the facility. After issuance of KI to staff at 1241, again at 1319, and at the end of the exercise at 1339 it was determined by interview that the radio room and security staff had not received KI tablets or been briefed on KI use.

REFERENCE: NUREG-0654/FEMA-REP-1 J.10.e; K3.a,b; K.4
New Hampshire Dosimetry Equipment and Procedures Volume 8, Section 10.8
Kingston Implementing Procedures, Section 3.11

EFFECT: Facility staff not issued KI would be at greater risk of absorbing radiation in their thyroid.

RECOMMENDATION: Procedures should be implemented that require the RADEF Officer and/or the EMD to compare the security sign-in sheet and the Emergency Worker Potassium Iodide User Agreement Form 135A, Volume 8/Rev. 14, to ensure that all facility staff receives KI.

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

3.3.7.9 New Castle Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.10 Newfields Local EOC

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

ISSUE NO.: 57-12-3a1-A-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: The primary RADEF Officer in the Town of Newfields was unavailable and the alternate RADEF Officer substituted during the exercise. The alternate RADEF Officer was not familiar with zeroing the dosimetry. The Alternate RADEF Office did not brief the officer of the need to contact the officer's immediate supervisor when the 200mR reading was reached. The Alternate RADEF Officer did

not brief the side effects of Potassium Iodide during the briefing until prompted by another staff member. The Alternate RADEF Officer did not understand the meaning of the 5 R turn back value and did not emphasize the turn back value meaning to the officer.

POSSIBLE CAUSE: The alternate RADEF Officer is not called upon to conduct the Radiological Briefing or zero the dosimeters on a regular basis. More Training in this position is required.

REFERENCE: K.3.a, K.3.b

EFFECT: The Emergency Workers dispatched from the Newfields Emergency Operations Center (NEOC) would not be assured that the readings from the Self Reading Dosimeters were accurate. They would not have a clear understanding of their exposure limits and Emergency Workers. If instructed to ingest KI the Emergency Workers would be unaware of possible side effects and allergic reactions. If the Emergency workers were in a radiation plume they may have received a dose in excess of administrative limits of the ORO.

RECOMMENDATION: The alternate RADEF Officer should be trained annually and participate in all exercises.

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

3.3.7.11 Newton Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.12 North Hampton Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.13 Portsmouth Local EOC

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

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

ISSUE NO.: 57-12-3a1-A-

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

CONDITION: Following RADEF Officer distribution of dosimetry kits to the Emergency Operations Center (EOC) staff, his emergency worker briefing was inadequate.

The Radiological Officer summarized the briefing using the Job Aid and gave inadequate information to emergency workers. The Radiological Officer's Job Aid

conflicted with the Briefing Form the State provided to the EOC, which contains all information needed for emergency worker exposure control. The Radiological Officer also skipped important information that emergency workers needed to be briefed on prior to being deployed to the field (the Radiological Officer did not read off the Briefing Form that the State had provided to all EOCs)- the Radiological Officer did not address the 175mR exposure limit; only stated to notify the EOC when the dosimeter reaches 1R. Furthermore, the Radiological Officer provided inaccurate information pertaining to women and did not request that female workers who may be occupationally exposed (i.e., those who work in the restricted area at a nuclear power plant or at a hospital or other facility and whose occupation carries with it the potential for some radiation exposure) are counseled to make a declaration in writing if they are or think that they may be pregnant.

The Radiological Officer also had a Job Aid that conflicted with the Briefing Form that the State provided to the Emergency Operations Center.

The Radiological Officer was also using Rev 13 for Form 305A, which is out of date. Rev 14 Forms are the most up to date and FEMA approved forms for emergency workers.

The Emergency Operations Center also had the wrong inventory form for the emergency worker kits. The one provided was out of date.

POSSIBLE CAUSE: The Radiological Officer summarized the briefing, and did not read directly from the briefing form provided by the State.

The RERP for the City of Portsmouth does not require the RADEF Officer to brief the emergency workers. The RADEF Officer's procedure refers to the NHRERP Procedure for Issuing Dosimetry and KI, Volume 8, Section 10.7, which also does not require an emergency worker briefing.

REFERENCE: NUREG-0654 FEMA-REP-1, Revision 1 K.3.a, K.3.b
Implementing Procedures for EPZ Communities
Incident Annex
Rev 13 Form 305 A

Radiological Officer Job Aid
Radiological Briefing Form

EFFECT: The emergency workers could have gone on missions without knowing the proper information for protecting themselves from radiation exposure.

RECOMMENDATION: This previous issue was not corrected.

Training needs to be provided to the Radiological Officer. Rev 13 Forms need to be destroyed. The Job Aid must align with the Incident Annex and Implementing Procedures, as well as the City's Radiological Emergency Response Plan.

- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 3.a.1.

ISSUE NO.: 57-10-3a1-P-04

ISSUE: Following RADEF Officer distribution of dosimetry kits to the Emergency Operations Center (EOC) staff, his emergency worker briefing was inadequate.

CORRECTIVE ACTION DEMONSTRATED: This issue was not corrected. It was made into an ARCA.

The Radiological Officer summarized the briefing using the Job Aid and gave inadequate information to emergency workers. The Radiological Officer's Job Aid conflicted with the Briefing Form the State provided to the EOC, which contains all information needed for emergency worker exposure control.

The Radiological Officer did not address the 175mR exposure limit; only stated to notify the EOC when the dosimeter reaches 1R. Furthermore, the Radiological Officer provided inaccurate information pertaining to women and did not request that female workers who may be occupationally exposed (i.e., those who work in the restricted area at a nuclear power plant or at a hospital or other facility and whose

occupation carries with it the potential for some radiation exposure) are counseled to make a declaration in writing if they are or think that they may be pregnant.

Furthermore, the Radiological Officer used Rev 13 for Form 305A, and not Rev 14, which is the FEMA approved form for use.

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.7.14 Rye Local EOC

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

- a. MET: 1.a.1, 1.e.1, 3.a.1, 3.b.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.15 Seabrook Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 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

3.3.7.16 South Hampton Local EOC

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

- a. MET: 1.a.1, 1.e.1, 3.a.1, 3.c.2, 3.d.2, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None

-
- c. DEFICIENCY: None
 - d. PLAN ISSUES: None
 - e. NOT DEMONSTRATED: None
 - f. PRIOR ISSUES - RESOLVED: 3.b.1, 3.d.1.

ISSUE NO.: 57-10-3b1-P-05

ISSUE: The current version of the Dosimetry-KI Report Form 305A (Rev 14) does not contain the correct number of days to record the ingestion of KI by emergency workers. Rev 14 of the form indicates 10 days for KI ingestion, although Volume 8 of the NH RERP, Dosimetry and KI issuance instructions call for only four days of ingestion. The older Rev 13 of Form 305A, which is still in circulation in some communities, includes the correct record of ingestion for four days.

CORRECTIVE ACTION DEMONSTRATED:

ISSUE NO.: 57-10-3d1-P-06

ISSUE: Issue: 57-10-3d1-?-
Planning Issue

CONDITION:

There are discrepancies in the NH Radiological Emergency Response Plan (RERP) as to proper delegation of primary organizational responsibility for implementing traffic control in South Hampton. Volume 41 of the NHRERP, NH Traffic Management Manual states that the State Police have primary responsibility for staffing Traffic Control Points (TCPs) in South Hampton and assigns State resources for this function. This was done because South Hampton has a part time Police Department and cannot ensure adequate resources will be available to staff TCPs during an emergency. However, Volume 36 of the NHRERP, Table 1.6-1 and the South Hampton Police Chief procedure assign traffic control as a local police responsibility, including a step for the local Police Chief to Dispatch his officers to the TCPs.

CORRECTIVE ACTION DEMONSTRATED:

- g. PRIOR ISSUES - UNRESOLVED: None

3.3.7.17 Stratham Local EOC

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, 2.c.1, 3.a.1, 3.b.1, 3.c.1, 3.c.2, 3.d.1, 3.d.2, 5.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: 1.d.1, 1.e.1.

ISSUE NO.: 57-06-1d1-A-06

ISSUE: The Stratham EOC had only two active telephone lines for all incoming and out going calls. These two lines served the 22 people signed into the EOC who were making out going calls. It was discovered no calls could come into the EOC. As a fix one line was designated as an incoming line and one as an outgoing line. However, there were still individuals who tried to call in and, unknown to the EOC, were never able to get through to the EOC.

CORRECTIVE ACTION DEMONSTRATED: This issue was originally cited in 2006, when the EOC was at a prior location by the Police Station and Library. It has since moved to a new building that also houses the Stratham Volunteer Fire Department.

It was mentioned that a request for a third line is in process. They did use six of the Stratham Volunteer Fire Department's commercial landlines. It was mentioned they get billed separately for that. For this criterion, it states primary and back-up operational. That was accomplished.

Note: Additional line(s) would be good so as the primary line was not busy if a second call was coming in, for example by the State.

ISSUE NO.: 57-10-1e1-P-07

ISSUE: No provision has been provided in the plans and/or procedures to ensure that the control permanent record dosimeter (PRD) included with the PRDs is not exposed to radiation fields experienced by emergency workers in the emergency operations center (EOC) from a passing radioactive plume or deposition of radioactivity.

CORRECTIVE ACTION DEMONSTRATED: The Stratham Radiological Officer used the correct survey meters (CD V-700s) Kit that was labeled for the Stratham Emergency Operation Center, identified by "EOC Kit".

The calibration date was current "2012".

ISSUE NO.: 57-10-1e1-A-08

ISSUE: Incorrect survey meters (CD V-700s) were used by the Town. The Town used their transportation accident monitoring kit rather than instruments that were issued to the Town specifically for REP. Calibration standards are different for CD V-700 instruments if they are used in a REP situation (annual calibration) versus every four years for transportation accident monitoring. Because the Town used the CD V-700s from the transportation accident monitoring kit in a REP situation, the instruments were not calibrated for use in 2010.

CORRECTIVE ACTION DEMONSTRATED: The Permanent Record Dosimeters were protected and shielded according to the plan/procedures and the extent of play.

g. PRIOR ISSUES - UNRESOLVED: None

3.3.7.18 Adeline C. Marston School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.19 Cooperative Middle School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.20 Heronfield Academy

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.21 Winnacunnet High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.22 Seabrook Elementary School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.23 Lincoln Street Elementary School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.24 Swasey Central School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.25 Kensington Elementary School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.26 Sanborn Region High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.27 Memorial School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.28 Exeter High School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.29 Hampton Academy

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.30 North Hampton School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.31 Greenland Central School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.32 New Franklin School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.33 Lister Academy

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.34 A Place to Grow

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.35 Rockingham County Nursing Home

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

- a. MET: 1.a.1, 3.b.1, 3.c.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

3.3.7.36 Polka Dots Childcare Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.37 Appleseeds Day Care

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.38 Donna Clarke Family Day Care

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.39 Stratham Circle Learning Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.40 Great Bay Kid's Company

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.41 Newton Learning Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.42 Over the Rainbow

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.43 My First School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.44 Imprints Day School

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.45 Kids Stop Inc.

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.46 Oceanside Skilled Nursing and Rehab Ctr

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

- a. MET: 1.a.1, 3.b.1, 3.c.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

3.3.7.47 The Ridge at Riverwoods

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

- a. MET: 1.a.1, 3.b.1, 3.c.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

3.3.7.48 DeColores Childrens Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.49 Clipper Habor of Portsmouth CRC

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

- a. MET: 1.a.1, 3.b.1, 3.c.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

3.3.7.50 The Childrens Garden

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.51 Edgewood Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.52 Edgewood Learning Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.53 Kindercare Learning Center

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.54 Kathleen Tostenson

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.55 Pats Family Child Care

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.7.56 Live Y'ers

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

- a. MET: 1.a.1, 3.b.1, 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

3.3.8 Support Jurisdictions

3.3.8.1 Rochester Local EOC

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, 3.c.1, 3.d.1, 3.d.2, 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

3.3.8.2 Dover Local EOC

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, 3.c.1, 3.d.1, 3.d.2, 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

3.3.8.3 Manchester Local EOC

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, 3.c.1, 3.d.1, 3.d.2, 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

3.3.8.4 Manchester MHS Reception Center Portal & Secondary Monitoring

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

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

3.3.8.6 Rochester Reception Center Vehicles

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

- a. MET: 3.d.1, 6.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

3.3.8.7 Rochester Reception Center Registration

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

- a. MET: 6.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

3.3.8.8 Manchester HS Reception Center Operations

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

3.3.8.9 Manchester Reception Center Dosimetry

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

- a. MET: 3.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

3.3.8.10 Manchester Reception Center Vehicle Mon/Decon

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

- a. MET: 3.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: 6.b.1.

ISSUE NO.: 57-12-6b1-P-

CRITERION: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their

equipment and vehicles.

CONDITION: There was conflicting guidance given to vehicle Monitoring Team at the Manchester, NH Reception Center on the morning of March 24, 2012. The team members were confused as to which guidance was to be used. Controller and team members consulted the evaluator as to what guidance to use. As the team was initially were conducting monitoring of a vehicle, two team members were employed at the same time and both were using different heights from monitored surface and different speeds in inches per second over the vehicle surface. As just in time training and correction in place the evaluator instructed the team to proceed with the most conservative of the three different standards.

POSSIBLE CAUSE: This evaluator was provided "April 2011, Radiological Emergency Response for Nuclear Facilities Attachment C, Implementing Procedures for Host Communities" on Table #2 the monitoring instructions for the Victoreen CDV-770-P "pancake probe" indicate "4 inches from the surface being monitored and a speed of 24 inches per second".

The Vehicle Monitoring staff had tow documents "5.7 Staff – Vehicle Monitoring Rev. 1/1/2012" which stated hold probe"1 inch from surface and the vehicle monitoring should take 90 seconds" with no mention of monitoring sweep speed in inches per second.

The second document "Vehicle Monitoring 10-10 states to "hold the probe at 2 inches. Do not move fast!" and "monitoring of vehicle should not take less than 90 seconds". Again no mention of probe speed in inches per second.

REFERENCE: 6.b.1 Monitoring and Decontamination of Emergency worker Equipment, NUREG K.5.b, REP 22.1, 22.3

EFFECT: Had this been an actual nuclear power plant accident, the vehicle monitors would have given inconsistent and inaccurate measurements of vehicles and could have possibly declared a contaminated vehicle to be clean.

RECOMMENDATION: Establish one standard set of guidance for Vehicle

Monitoring with a recommended distance of probe from of 1" from surface to be monitored and to move probe across surface to be monitored of 6" per second.

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

3.3.8.11 Manchester Reception Center Female Mon/Decon

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

- a. MET: 3.a.1, 6.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

3.3.8.12 Manchester Reception Center Registration

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

- a. MET: 6.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

3.3.8.13 Manchester Reception Center Male Decon

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

- a. MET: 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None

d. PLAN ISSUES: 6.a.1.

ISSUE NO.: 57-12-6a1-P-

CRITERION: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

CONDITION: Survey meter operators unfamiliar with proper way of determining if a meter is operating correctly.

POSSIBLE CAUSE: Lack of proper training and understanding of the procedure for determining proper meter operation.

REFERENCE: NUREG-0654; Implementing Procedures for Host Communities, Attachment "C", PAGE 75 ITEMS 9 & 10

EFFECT: Using a meter not that is not operating properly may possibly provide incorrect readings for contamination.

RECOMMENDATION: Change written procedures to clearly define correct meter operation. Conduct training so that operators have a clear understanding of meter operations

9. (After 10) meter needle should fall within the readings on the range of readings calibration label. If needle does not meet the range of readings meter is not operational.

10. DELETE

11. change 11 to 10

ISSUE NO.: 57-12-6a1-P-

CRITERION: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

CONDITION: Survey meter operators unfamiliar with proper way of determining background in working area.

POSSIBLE CAUSE: Lack of proper training and incorrect procedures for determining proper background reading for work area.

REFERENCE: NUREG-0654; Implementing Procedures for Host Communities, Attachment "C", PAGE 76 ITEMS 4, 5, & 6

EFFECT: Not determining proper background could cause improper adjusted readings while surveying people and equipment.

RECOMMENDATION: Change written procedures to clearly define background procedures. Conduct training so that operators have a clear understanding of determining background readings.

4. Replace paragraph 4. With: Ensure operator has earphone connected to meter and is wearing earphone. Count the number of clicks for fifteen seconds, multiply that number of clicks by four (X4) this will provide the background reading for that work area.

5. DELETE

6. Change 6. To 5.; Record that background reading on a sign in large bold figures and hang in an area for all team members to see as a reminder as to what the background reading is.

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

3.3.8.14 Manchester Reception Center Portal & Secondary Monitoring

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

- a. MET: 6.a.1, 6.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

3.3.8.15 Rochester Reception Center Portal and Secondary Monitoring

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

- a. MET: 6.a.1, 6.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

3.3.8.16 Rochester Reception Center Male Monitoring/Decon

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

- a. MET: 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: 6.a.1.

ISSUE NO.: 57-12-6a1-A-

CRITERION: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

CONDITION: Survey meter operators unfamiliar with proper way of determining background in working area

POSSIBLE CAUSE: : Lack of proper training and incorrect procedures for determining proper background reading for work area.

REFERENCE: NUREG-0654; Implementing Procedures for Host Communities, Attachment "C", PAGE 76 ITEMS 4, 5, & 6

EFFECT: Not determining proper background could cause improper adjusted readings while surveying people and equipment.

RECOMMENDATION: Change written procedures to clearly define background procedures. Conduct training so that operators have a clear understanding of determining background readings.

4. Replace paragraph 4. With: Ensure operator has earphone connected to meter and is wearing earphone. Count the number of clicks for fifteen seconds, multiply that number of clicks by four (X4) this will provide the background reading for that work area.

5. Delete

6. Change 6. To 5.; Record that background reading on a sign in large bold figures and hang in an area for all team members to see as a reminder as to what the background reading is.

ISSUE NO.: 57-12-6a1-A-

CRITERION: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

CONDITION: Survey meter operators unfamiliar with proper way of determining if a meter is operating correct

POSSIBLE CAUSE: : Lack of proper training and understanding of the procedure for determining proper meter operation

REFERENCE: : NUREG-0654; Implementing Procedures for Host Communities, Attachment "C", PAGE 75 ITEMS 9 & 10

EFFECT: Using a meter not operating properly possibly provides incorrect reading for contamination.

RECOMMENDATION: : Change written procedures to clearly define correct meter operation. Conduct training so that operators have a clear understanding of meter operations

9. (After 10) meter needle should fall within the readings on the range of readings calibration label. If needle does not meet the range of readings meter is not operational.

10. DELETE

11. change 11 to 10

ISSUE NO.: 57-12-6a1-A-

CRITERION: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

CONDITION: : INADEQUATE SUPPLIES:

Supply Issue: The Male Decontamination Team did not use the correct step off pads, they used a heavy paper pad labeled "Step Off Pad". They needed the multi page plastic step off pads. Reception center supply was checked and correct pads were not available.

Supply Issue: Procedures call for maslin mops to mop walk ways to pick up contamination that may have dropped on the floor. The male monitoring and

decontamination team had mop heads and handles but did not have any maslin cloth. The Supply trailer was checked but no maslin cloth could be found.

POSSIBLE CAUSE: Over-site not tracking required supplies in supply trailer

REFERENCE: NUREG-0654; Implementing Procedures for Host Communities, Attachment "C", Page 41, 45, and 49 equipment and supply inventory lists

EFFECT: Not having the proper step off pads and maslin cloth would interfere with the proper operation of the radiological portion of the reception center. Create conditions that would cross contaminate evacuees and staff working in the reception center.

RECOMMENDATION: Take steps to procure the correct type step off pads and maslin cloth with sufficient quantities to support long term operations. Update inventory lists referenced above to include specific type step off pads and add mop-heads and handles along with maslin cloth.

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

3.3.8.17 Rochester Reception Center Female Monitoring/Decon

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

- a. MET: 3.a.1, 6.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

3.3.8.18 Rockingham County State Transportation Staging Area

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, 3.a.1, 3.b.1, 3.c.1, 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

3.3.8.19 Wentworth Douglas Hospital

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

- a. MET: 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

3.3.8.20 Elliot Hospital

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

- a. MET: 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

APPENDIX A: IMPROVEMENT PLAN

Issue Number: 57-12-3a1-P-		Criterion: 3a1
ISSUE: During the conduct of the Seabrook Station (SS) Exercise on April 17, 2012, the Brentwood New Hampshire Emergency Operations Center (EOC) assigned a Radiological Defense (RADEF) Officer who had never been in the position before. The RADEF Officer did not understand his role in providing a briefing on dosimetry and potassium iodide (KI) to emergency workers before dispatching them to the field. He issued the dosimetry and KI without a briefing.		
RECOMMENDATION:		
CORRECTIVE ACTION DESCRIPTION:		
CAPABILITY:	PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-3a1-P-		Criterion: 3a1
ISSUE: The RADEF Officer at the Kingston Emergency Operations Center (EOC) failed to supply potassium iodide (KI) tablets with a briefing to the entire facility staff as per Kingston Plans and Procedures.		
RECOMMENDATION: Procedures should be implemented that require the RADEF Officer and/or the EMD to compare the security sign-in sheet and the Emergency Worker Potassium Iodide User Agreement Form 135A, Volume 8/Rev. 14, to ensure that all facility staff receives KI.		
CORRECTIVE ACTION DESCRIPTION:		
CAPABILITY:	PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-6a1-P-		Criterion: 6a1	
ISSUE: Survey meter operators unfamiliar with proper way of determining if a meter is operating correctly.			
RECOMMENDATION: Change written procedures to clearly define correct meter operation. Conduct training so that operators have a clear understanding of meter operations			
9. (After 10) meter needle should fall within the readings on the range of readings calibration label. If needle does not meet the range of readings meter is not operational.			
10. DELETE			
11. change 11 to 10			
CORRECTIVE ACTION DESCRIPTION:			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-6a1-P-		Criterion: 6a1	
ISSUE: Survey meter operators unfamiliar with proper way of determining background in working area.			
RECOMMENDATION: Change written procedures to clearly define background procedures. Conduct training so that operators have a clear understanding of determining background readings.			
4. Replace paragraph 4. With: Ensure operator has earphone connected to meter and is wearing earphone. Count the number of clicks for fifteen seconds, multiply that number of clicks by four (X4) this will provide the background reading for that work area.			
5. DELETE			
6. Change 6. To 5.; Record that background reading on a sign in large bold figures and hang in an area for all team members to see as a reminder as to what the background reading is.			
CORRECTIVE ACTION DESCRIPTION:			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-6b1-P-		Criterion: 6b1	
<p>ISSUE: There was conflicting guidance given to vehicle Monitoring Team at the Manchester, NH Reception Center on the morning of March 24, 2012. The team members were confused as to which guidance was to be used. Controller and team members consulted the evaluator as to what guidance to use. As the team was initially were conducting monitoring of a vehicle, two team members were employed at the same time and both were using different heights from monitored surface and different speeds in inches per second over the vehicle surface. As just in time training and correction in place the evaluator instructed the team to proceed with the most conservative of the three different standards.</p>			
<p>RECOMMENDATION: Establish one standard set of guidance for Vehicle Monitoring with a recommended distance of probe from of 1" from surface to be monitored and to move probe across surface to be monitored of 6" per second.</p>			
<p>CORRECTIVE ACTION DESCRIPTION:</p>			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-1e1-P-		Criterion: 1e1	
<p>ISSUE: The Field Monitoring Team (FMT) did not have a beta gamma survey instrument as called for in Procedure 2.11.</p>			
<p>RECOMMENDATION: The Radiation Control Program should update Procedure 2.11 to address the change to the survey equipment for the environmental sampling program. Also, if it is intended that the FMT perform plume tracking then a beta gamma survey instrument should be included in the kit.</p>			
<p>CORRECTIVE ACTION DESCRIPTION:</p>			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-3a1-P-		Criterion: 3a1	
<p>ISSUE: Prior Issue 57-06-3a1-A-08 was closed and replaced by this planning issue. The original performance issue stated that Members of the Maine Sampling Team from the Department of Health and Human Services wore the permanent record dosimeters (PRDs) they routinely wear, but no PRDs were included in the dosimetry provided with the sampling equipment and supplies or issued to DOA team members prior to their deployment from the State Emergency Operation Center.</p> <p>The Maine Emergency Management Agency has proposed that the non Radiation Control Program members of the Field Monitoring Team go to the York County EOC and obtain an emergency worker dosimetry packet. York County maintains a stockpile of PRD that they get from the State of New Hampshire.</p>			
<p>RECOMMENDATION: This solution (all non RCP members of the FMT go to York County EOC to obtain dosimetry) needs to be documented in the plan and procedures so that all State Agencies and York County are aware of it.</p>			
<p>CORRECTIVE ACTION DESCRIPTION:</p>			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-3a1-A-		Criterion: 3a1	
<p>ISSUE: The primary RADEF Officer in the Town of Newfields was unavailable and the alternate RADEF Officer substituted during the exercise. The alternate RADEF Officer was not familiar with zeroing the dosimetry. The Alternate RADEF Office did not brief the officer of the need to contact the officer's immediate supervisor when the 200mR reading was reached. The Alternate RADEF Officer did not brief the side effects of Potassium Iodide during the briefing until prompted by another staff member. The Alternate RADEF Officer did not understand the meaning of the 5 R turn back value and did not emphasize the turn back value meaning to the officer.</p>			
<p>RECOMMENDATION: The alternate RADEF Officer should be trained annually and participate in all exercises.</p>			
<p>CORRECTIVE ACTION DESCRIPTION:</p>			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-4a2-A-		Criterion: 4a2	
<p>ISSUE: The New Hampshire Field Monitoring Team 1(FMT 1) did not receive sufficient direction to support characterization of the release. FMT1 never received direction to find the leading edge of the plume. The sample locations of 3.2, 3.7 and 3.8 provided by the Monitoring Team Coordinator (MTC) to the FMT 1 Team Lead never allowed FMT1 to encounter any reading above background. Both air samples taken by FMT 1 were taken in background areas.</p>			
<p>RECOMMENDATION: The Accident Assessment team and MTC should coordinate more effectively to direct both FMTs to identify the leading edges of the plume. The plans and procedures should reflect the need to identify the leading edges of the plume. Identify in the plans and procedures what actually constitutes the leading edges of a plume. For example when FMTs identify dose rates 10 times background this will be considered the leading edge of the plume.</p>			
<p>CORRECTIVE ACTION DESCRIPTION:</p>			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-3a1-P-		Criterion: 3a1	
<p>ISSUE: CONDITION (describe the inadequacy): Field Sampling Team members were not aware that after the release has been terminated and entry into the intermediate phase, the dose limit reverts from the EPA-400 limits to those of Occupation Radiation Workers which is 5 REM TEDE. They were also not aware that any exposure accumulated during the emergency phase is not included in the intermediate exposure received.</p>			
<p>RECOMMENDATION: Update the DPHS plan to state the change in the dose limit for Emergency Workers and include the emergency phase exposure is not included in the intermediate phase exposure received.</p>			
<p>CORRECTIVE ACTION DESCRIPTION:</p>			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-1e1-P-		Criterion: 1e1
<p>ISSUE: Prior to instrument use, no operational checks were performed that used a known source and required an instrument response to be within a prescribed range. Also, there was no label affixed to the instrument that defined an acceptable range for the instrument response to a specific source. This was the situation for each of the seven survey instruments used by Radiochemistry Unit.</p>		
<p>RECOMMENDATION: Modify State procedures to require an operational check for laboratory instrumentation prior to use using a known source and a label affixed to the instrument that defines that the instrument response must fall within a specific range.</p>		
<p>CORRECTIVE ACTION DESCRIPTION:</p>		
CAPABILITY:	PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-3a1-A-		Criterion: 3a1
<p>ISSUE: Following RADEF Officer distribution of dosimetry kits to the Emergency Operations Center (EOC) staff, his emergency worker briefing was inadequate.</p>		
<p>The Radiological Officer summarized the briefing using the Job Aid and gave inadequate information to emergency workers. The Radiological Officer's Job Aid conflicted with the Briefing Form the State provided to the EOC, which contains all information needed for emergency worker exposure control. The Radiological Officer also skipped important information that emergency workers needed to be briefed on prior to being deployed to the field (the Radiological Officer did not read off the Briefing Form that the State had provided to all EOCs)- the Radiological Officer did not address the 175mR exposure limit; only stated to notify the EOC when the dosimeter reaches 1R. Furthermore, the Radiological Officer provided inaccurate information pertaining to women and did not request that female workers who may be occupationally exposed (i.e., those who work in the restricted area at a nuclear power plant or at a hospital or other facility and whose occupation carries with it the potential for some radiation exposure) are counseled to make a declaration in writing if they are or think that they may be pregnant.</p>		
<p>The Radiological Officer also had a Job Aid that conflicted with the Briefing Form that the State provided to the Emergency Operations Center.</p>		
<p>The Radiological Officer was also using Rev 13 for Form 305A, which is out of date. Rev 14 Forms are the most up to date and and FEMA approved forms for emergency workers.</p>		
<p>The Emergency Operations Center also had the wrong inventory form for the emergency worker kits. The one provided was out of date.</p>		
<p>RECOMMENDATION: This previous issue was not corrected.</p>		
<p>Training needs to be provided to the Radiological Officer. Rev 13 Forms need to be destroyed. The Job Aid must align with the Incident Annex and Implementing Procedures, as well as the City's Radiological Emergency Response Plan.</p>		
<p>CORRECTIVE ACTION DESCRIPTION:</p>		
CAPABILITY:	PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:	START DATE:	
AGENCY POC:	ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-6a1-A-		Criterion: 6a1	
ISSUE: Survey meter operators unfamiliar with proper way of determining background in working area			
RECOMMENDATION: Change written procedures to clearly define background procedures. Conduct training so that operators have a clear understanding of determining background readings.			
4. Replace paragraph 4. With: Ensure operator has earphone connected to meter and is wearing earphone. Count the number of clicks for fifteen seconds, multiply that number of clicks by four (X4) this will provide the background reading for that work area.			
5. Delete			
6. Change 6. To 5.; Record that background reading on a sign in large bold figures and hang in an area for all team members to see as a reminder as to what the background reading is.			
CORRECTIVE ACTION DESCRIPTION:			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-6a1-A-		Criterion: 6a1	
ISSUE: Survey meter operators unfamiliar with proper way of determining if a meter is operating correct			
RECOMMENDATION: : Change written procedures to clearly define correct meter operation. Conduct training so that operators have a clear understanding of meter operations			
9. (After 10) meter needle should fall within the readings on the range of readings calibration label. If needle does not meet the range of readings meter is not operational.			
10. DELETE			
11. change 11 to 10			
CORRECTIVE ACTION DESCRIPTION:			
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:	
CAPABILITY ELEMENT:		START DATE:	
AGENCY POC:		ESTIMATED COMPLETION DATE:	

Issue Number: 57-12-6a1-A-		Criterion: 6a1
ISSUE: : INADEQUATE SUPPLIES:		
<p>Supply Issue: The Male Decontamination Team did not use the correct step off pads, they used a heavy paper pad labeled "Step Off Pad". They needed the multi page plastic step off pads. Reception center supply was checked and correct pads were not available.</p>		
<p>Supply Issue: Procedures call for maslin mops to mop walk ways to pick up contamination that may have dropped on the floor. The male monitoring and decontamination team had mop heads and handles but did not have any maslin cloth. The Supply trailer was checked but no maslin cloth could be found.</p>		
RECOMMENDATION: Take steps to procure the correct type step off pads and maslin cloth with sufficient quantities to support long term operations. Update inventory lists referenced above to include specific type step off pads and add mop-heads and handles along with maslin cloth.		
CORRECTIVE ACTION DESCRIPTION:		
CAPABILITY:		PRIMARY RESPONSIBLE AGENCY:
CAPABILITY ELEMENT:		START DATE:
AGENCY POC:		ESTIMATED COMPLETION DATE:

APPENDIX B: BEST PRACTICES

1. Excellent Initiative by Hampton

Summary: In speaking with the Emergency Management Director (EMD), one of the initiatives that he brought to my attention was with "special populations." He noted that the town was now including children between the ages of 10-15 in the special population group, that is, children who were decision makers but who needed assistance in evacuating the town.

Description: In speaking with the Emergency Management Director (EMD), one of the initiatives that he brought to my attention was with "special populations." He noted that the town was now including children between the ages of 10-15 in the special population group, that is, children who were decision makers but who needed assistance in evacuating the town. In a specific case, there was a 14 year old who was home alone - her mother was working in Portsmouth. In her case, she knows that she needs to evacuate but she cannot drive a car. Therefore, the EMD would be sure to include her in the population to be transported. This is definitely an underserved population.

2. York County Emergency Management Agency EOC and facility modernization

Summary: York County relocated its Emergency Management Agency and Emergency Operations Center (EOC) location to a new site at 149 Jordan Spring Rd., in Alfred, ME within the past year and, as a result, created a facility that is an excellent model for any EOC supporting an agency of comparable size. The facility has excellent space available, security, equipage and habitability for extended EOC operations as well as routine activities. It is evident that significant appropriate planning was done to accommodate virtually any weather event durability-wise or other types of emergencies requiring staffing of almost any level that can be anticipated for the Agency. This includes providing effective backup power, upgrading windows and air handling systems and making the best use of spaces available.

Description: The recent facility relocation and upgrade at the York County Emergency Agency facility provides an excellent model for any agency of its size and mission.

3. Access to Critical Facilities

Summary: Access to critical communications areas needs to be controlled to reduce vulnerability regardless of the type of event.

Description: Access to the Rockingham County Dispatch Center is electronically controlled through three doors prior to gaining admittance to the dispatching area. TV screens in the dispatch area display real time status of the security system. One TV screen displayed door status throughout the facility and a second TV screen display security cameras, some of which were movement activated.

4. Communications

Summary: In ability to communicate with neighboring states via organic radio systems and with using RACES resources.

Description: Maine (MEMA) communications office coordinated with MEMA (Massachusetts) communications officer having similar problems with talking to Maine Emergency Management. Mass provided a radio to Maine which now allowed Maine to connect with the Amesbury, Mass repeater. This now allowed Mass to communicate with Maine and allowed Maine to communicate with five other New England states.

Maine RACES: installed a repeater on Mount Washington this now provided an ability to communicate with the New Hampshire SEOC.

5. Job Aid for Vehicle Monitoring

Summary: The Vehicle Monitoring Team Leader at the Souht Manchester, NH Middle School Reception Center developed a Job Aid for the Vehicle Monitoring Team

Description: The Team Leader provided team members with xerographoic copies of the survey instrumet faces that were enlarged to twice or three times actual size so thst team members could familiarize themselves with the meter faces and better interpert meter readings.

APPENDIX C: EXERCISE TIMELINE

Table 1 - Exercise Timeline
DATE: 2012-04-18, SITE: Seabrook Station, NH

Emergency Classification Level or Event	Time Utility Declared	NH SEOC	NH SS EOF	Rockingham Dispatch	NH SS JIC	Brentwood EOC	East Kingston EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0813	0823	0823	0831	0839	0842	0840
Site Area Emergency	1000	1008	1003	1015	1006	1015	1012
General Emergency	1115	1120	1118	1132	1118	1135	1131
Simulated Rad. Release Started	1129	1134	1133	N/A	1133	1135	1148
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	N/A		N/A
Facility Declared Operational		0855	0905	N/A	0906	0845	0910
Declaration of State of Emergency		1000	0956		1005	0956	1006
Exercise Terminated		1350	1334		1330	1300	1338
Early Precautionary Actions:		0905	0915		0952	1018	0938
1st Protective Action Decision:		1105	1138		1110	1121	1144
1st Siren Activation		1039	1039	1039	1030	1039	1030
1st EAS or EBS Message		1042	1042	1042	1030	1042	1030
2nd Protective Action Decision:		1115	1226		1115	1226	1112
2nd Siren Activation		1121	1155	1121	1110	1121	1112
2nd EAS or EBS Message		1124	1158	1124	1110	1124	1112
3rd Protective Action Decision:		1139			N/A	1230	1144
3rd Siren Activation		1145	1234	1155	1149	1153	N/A
3rd EAS or EBS Message		1155	1237	1158	1149	1158	1144
4th Protective Action Decision:		1255			N/A	N/A	N/A
4th Siren Activation		1234	1310	1234	N/A	1234	1225
4th EAS or EBS Message		1237	1313	1237	N/A	1237	1225
5th Protective Action Decision:		N/A			N/A	N/A	N/A
5th Siren Activation		1310		1310	N/A	N/A	1303
5th EAS or EBS Message		1313		1313	N/A	N/A	1303
6th Protective Action Decision:		N/A			N/A	N/A	N/A
6th Siren Activation		N/A			N/A	N/A	N/A
6th EAS or EBS Message		N/A			N/A	N/A	N/A
KI Administration Decision:		1139	1144	1152	1149	1135	1148

Table 1 - Exercise Timeline
DATE: 2012-04-18, SITE: Seabrook Station, NH

Emergency Classification Level or Event	Time Utility Declared	Exeter EOC	Greenland EOC	Hampton EOC	Hampton Falls EOC	Kensington EOC	Kingston NH EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0813	0837	N/A	0838	0837	0835	0835
Site Area Emergency	1000	1014	N/A	1014	1016	1014	1014
General Emergency	1115	1123	N/A	1133	1136	1133	1136
Simulated Rad. Release Started	1129	1147	N/A	1150	1148	1145	1136
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0855	N/A	0907	0900	0945	0914
Declaration of State of Emergency		1006	N/A	0956	1006	1007	1012
Exercise Terminated		1338	N/A	1331	1215	1337	1339
Early Precautionary Actions:		1032	N/A	N/A	0938	0938	1000
1st Protective Action Decision:		1032	N/A	1030	1030	1112	1145
1st Siren Activation		1039	N/A	1039	1039	1039	1155
1st EAS or EBS Message		1042	N/A	1042	1042	1042	1158
2nd Protective Action Decision:		1114	N/A	N/A	1111	N/A	1301
2nd Siren Activation		1121	N/A	1121	1121	1121	1310
2nd EAS or EBS Message		1124	N/A	1124	1124	1124	1313
3rd Protective Action Decision:		1150	N/A	N/A	N/A	N/A	
3rd Siren Activation		1155	N/A	1155	1155	1155	N/A
3rd EAS or EBS Message		1158	N/A	1158	1158	1158	N/A
4th Protective Action Decision:		1225	N/A	N/A	N/A	N/A	
4th Siren Activation		1234	N/A	N/A	N/A	1310	
4th EAS or EBS Message		1237	N/A	N/A	N/A	1313	
5th Protective Action Decision:			N/A	N/A	N/A	N/A	
5th Siren Activation			N/A	N/A	N/A	N/A	
5th EAS or EBS Message			N/A	N/A	N/A	N/A	
6th Protective Action Decision:			N/A	N/A	N/A	N/A	
6th Siren Activation			N/A	N/A	N/A	N/A	
6th EAS or EBS Message			N/A	N/A	N/A	N/A	
KI Administration Decision:		1147	N/A	1148	1148	1145	1201

Table 1 - Exercise Timeline
DATE: 2012-04-18, SITE: Seabrook Station, NH

Emergency Classification Level or Event	Time Utility Declared	New Castle EOC	Newfields EOC	Newton EOC	North Hampton EOC	Portsmouth EOC	Rochester EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0813	0837	0839	0835	0837	N/A	0906
Site Area Emergency	1000	1027	1019	1010	1015	N/A	1027
General Emergency	1115	1136	1136	1132	1135	N/A	1137
Simulated Rad. Release Started	1129	1152	1146	1205	1145	N/A	N/A
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0912	0918	0909	1000	N/A	0945
Declaration of State of Emergency		1027	1008	1000	N/A	N/A	1007
Exercise Terminated		1338	N/A	1339	1340	N/A	1329
Early Precautionary Actions:		1000	1115	1003	1018	N/A	0940
1st Protective Action Decision:			1031	1147	1148	N/A	
1st Siren Activation		1039	N/A	1039	1039	N/A	
1st EAS or EBS Message		1042	N/A	1042	1042	N/A	
2nd Protective Action Decision:		1152	N/A	1237	1229	N/A	
2nd Siren Activation		1155	1115	1121	1155	N/A	
2nd EAS or EBS Message		1158	N/A	1124	1158	N/A	
3rd Protective Action Decision:		1152	N/A	N/A	N/A	N/A	
3rd Siren Activation		1234	1226	1155	1234	N/A	
3rd EAS or EBS Message		1237	N/A	1158	1237	N/A	
4th Protective Action Decision:			N/A	N/A	N/A	N/A	
4th Siren Activation			N/A	1234	1310	N/A	
4th EAS or EBS Message			N/A	1237	1313	N/A	
5th Protective Action Decision:			N/A	N/A	N/A	N/A	
5th Siren Activation			N/A	1310	N/A	N/A	
5th EAS or EBS Message			N/A	1313	N/A	N/A	
6th Protective Action Decision:			N/A	N/A	N/A	N/A	
6th Siren Activation			N/A	N/A	N/A	N/A	
6th EAS or EBS Message			N/A	N/A	N/A	N/A	
KI Administration Decision:		1152	1146	1216	1200	N/A	

Table 1 - Exercise Timeline
DATE: 2012-04-18, SITE: Seabrook Station, NH

Emergency Classification Level or Event	Time Utility Declared	Rye EOC	Seabrook EOC	South Hampton EOC	Stratham EOC	Dover EOC	Manchester EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0813	N/A	0835	N/A	0845	0838	0838
Site Area Emergency	1000	N/A	1013	N/A	1016	1009	1018
General Emergency	1115	N/A	1133	N/A	1136	1132	1133
Simulated Rad. Release Started	1129	N/A	1211	N/A	1146	N/A	1145
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		N/A	0840	N/A	0856	0958	0943
Declaration of State of Emergency		N/A	1003	N/A	0956	1010	0956
Exercise Terminated		N/A	1327	N/A	1337	1337	1337
Early Precautionary Actions:		N/A	0915	N/A	0943	0940	N/A
1st Protective Action Decision:		N/A	1121	N/A	1030	N/A	N/A
1st Siren Activation		N/A	1033	N/A	1039	N/A	1039
1st EAS or EBS Message		N/A	1039	N/A	1042	N/A	1042
2nd Protective Action Decision:		N/A	1145	N/A	1115	N/A	N/A
2nd Siren Activation		N/A	1115	N/A	1121	N/A	1121
2nd EAS or EBS Message		N/A	1121	N/A	1124	N/A	1124
3rd Protective Action Decision:		N/A		N/A	1145	N/A	N/A
3rd Siren Activation		N/A	1150	N/A	1155	N/A	1155
3rd EAS or EBS Message		N/A	1158	N/A	1158	N/A	1158
4th Protective Action Decision:		N/A		N/A	1224	N/A	N/A
4th Siren Activation		N/A	1234	N/A	1234	N/A	1234
4th EAS or EBS Message		N/A	1237	N/A	1237	N/A	1237
5th Protective Action Decision:		N/A		N/A	N/A	N/A	N/A
5th Siren Activation		N/A		N/A	1310	N/A	1310
5th EAS or EBS Message		N/A		N/A	1313	N/A	1313
6th Protective Action Decision:		N/A		N/A	N/A	N/A	N/A
6th Siren Activation		N/A		N/A	N/A	N/A	N/A
6th EAS or EBS Message		N/A		N/A	N/A	N/A	N/A
KI Administration Decision:		N/A	1211	N/A	1145	N/A	1149

Table 1 - Exercise Timeline
DATE: 2012-04-18, SITE: Seabrook Station, NH

Emergency Classification Level or Event	Time Utility Declared	MA SEOC	MA SSEOF	MA RI EOC	Amesbury EOC	Merrimac EOC	Newbury EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0813	0823	0823	0830	0831	0832	0832
Site Area Emergency	1000	1008	1003	1018	1022	1031	1030
General Emergency	1115	1128	1118	1135	1145	1148	1148
Simulated Rad. Release Started	1129	1148	1133	1129	1145	1148	1148
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0845	0905	0846	0849	0900	0925
Declaration of State of Emergency		0920	1003	0920	1040	0934	0942
Exercise Terminated		1335	1334	1345	1345	1347	N/A
Early Precautionary Actions:		0920	0928	0920	0928	0920	0940
1st Protective Action Decision:		1029	1111		N/A	1112	N/A
1st Siren Activation		1039	1039	1039	1039	1039	1037
1st EAS or EBS Message		1042	1042	1042	1042	1042	1037
2nd Protective Action Decision:		1109	1136	1106	1110	1140	1119
2nd Siren Activation		1121	1121	1121	1121	1121	1121
2nd EAS or EBS Message		1124	1124	1124	1124	1124	1124
3rd Protective Action Decision:		1139			1150	N/A	N/A
3rd Siren Activation		1155	1155	1155	1155	1155	1155
3rd EAS or EBS Message		1158	1158	1158	1158	1158	1158
4th Protective Action Decision:					1228	N/A	1314
4th Siren Activation			1234	1234	1234	N/A	1310
4th EAS or EBS Message			1237	1237	1237	N/A	1313
5th Protective Action Decision:					1307	N/A	N/A
5th Siren Activation			1310	1310	1310	N/A	N/A
5th EAS or EBS Message			1313	1313	1313	N/A	N/A
6th Protective Action Decision:					N/A	N/A	N/A
6th Siren Activation					N/A	N/A	N/A
6th EAS or EBS Message					N/A	N/A	N/A
KI Administration Decision:		1128	1118	1135	1145	1140	1147

Table 1 - Exercise Timeline
DATE: 2012-04-18, SITE: Seabrook Station, NH

Emergency Classification Level or Event	Time Utility Declared	Newburyport EOC	Salisbury EOC	West Newbury EOC	ME SEOC - Day 1	ME York County EOC
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0813	0829	0831	0833	0917	0838
Site Area Emergency	1000	1014	1014	1015	1016	1020
General Emergency	1115	1146	1144	1145	1139	1136
Simulated Rad. Release Started	1129	1147	1129	1129	1139	N/A
Simulated Rad. Release Terminated	N/A	N/A	N/A	N/A	1500	N/A
Facility Declared Operational		0903	0853	0855	0930	0900
Declaration of State of Emergency		0935	0943	0920	1135	1139
Exercise Terminated		N/A	1347	N/A	1400	1420
Early Precautionary Actions:		0930	0930	0920	1017	1049
1st Protective Action Decision:		1110	1111	1145	N/A	N/A
1st Siren Activation		1121	1039	1039	N/A	N/A
1st EAS or EBS Message		1124	1042	1042	N/A	N/A
2nd Protective Action Decision:		1150	1146	1215	N/A	N/A
2nd Siren Activation		1155	1121	1121	N/A	N/A
2nd EAS or EBS Message		1158	1124	1124	N/A	N/A
3rd Protective Action Decision:		1221		1238	N/A	N/A
3rd Siren Activation		1234	1155	1155	N/A	N/A
3rd EAS or EBS Message		1237	1158	1158	N/A	N/A
4th Protective Action Decision:		N/A		N/A	N/A	N/A
4th Siren Activation		N/A	1234	1234	N/A	N/A
4th EAS or EBS Message		N/A	1237	1237	N/A	N/A
5th Protective Action Decision:		N/A		N/A	N/A	N/A
5th Siren Activation		N/A	1310	N/A	N/A	N/A
5th EAS or EBS Message		N/A	1313	N/A	N/A	N/A
6th Protective Action Decision:		N/A		N/A	N/A	N/A
6th Siren Activation		N/A		N/A	N/A	N/A
6th EAS or EBS Message		N/A		N/A	N/A	N/A
KI Administration Decision:		1146	1146	1145	1245	1043

APPENDIX D: EXERCISE EVALUATORS AND TEAM LEADERS

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Seabrook Station

DATE: 2012-04-18, SITE: Seabrook Station, NH

LOCATION	EVALUATOR	AGENCY
NH State Emergency Operations Center	Patricia Foster Michael Shuler Kim Wood	FEMA RI FEMA RIII ICFI
NH (SS) Emergency Operations Facility	*Thomas Essig John McGough	ICFI FEMA - RI
NH State Police Communications Center, NH State Warning Point	Kim Wood	ICFI
Rockingham County Dispatch Center	*Paul Ringheiser Cheryl Weaver	ICFI ICF
NH (SS) Joint Information Center	*Paul Nied	ICFI
NH (SS) Field Monitoring Team-1	*Johanna Berkey	FEMA RX
NH (SS) Field Monitoring Team-2	*Martin Vyenielo	FEMA RIII
Massachusetts State Emergency Operations Center	Ronald Biernacki Brian Kennedy William Palmer	ICFI FEMA ICF
MA (SS) Emergency Operations Facility	Brad McRee *Roy Smith	ICF ICFI
MA Region I EOC	Terry Sheehan *David White	DOT ICFI
MA (SS) Joint Information Center	Paul Nied	ICFI
MA (SS) Field Monitoring Team-1	*Michael Howe	FEMA HQ
MA (SS) Field Monitoring Team-2	*Marcy Campbell	ICFI
MA Media Center	*Meg Swearingen	ICFI
MA State Laboratory - Day 2	*Michael Howe	FEMA HQ
NH State Emergency Operations Center Day 2	*Michael Shuler Bill Webb	FEMA RIII FEMA RX
NH - Field Sampling Team - 1	*Martin Vyenielo	FEMA RIII
NH - Field Sampling Team - 2	*Johanna Berkey	FEMA RX
NH State Laboratory - Day 2	*Daryl Thome	ICFI
ME State Emergency Operations Center	*Robert Swartz	FEMA RI
ME State Emergency Operations Center - Day 2	Richard McPeak *Robert Swartz	ICFI FEMA RI
ME Incident Field Office		
ME Incident Field Office - Day 2		
ME Field Sampling Team - 1	*Reggie Rodgers	ICFI
ME State Health and Environmental Testing Laboratory	*Kent Tosch	ICFI
NH State EOC Local Liaison	Bridget Ahlgrim Brad DeKorte Rebecca Fontenot	FEMA HQ FEMA RV1 FEMA HQ
Rochester Reception Center Dosimetry Issue and Briefing, Emergency Worker Dosimeter	Helen LaForge	FEMA RI
Brentwood Local EOC	Michael Petullo *Mario Vigliani	ICFI ICFI
East Kingston Local EOC	Deborah Blunt *Bruce Swiren	ICFI ICFI
Exeter Local EOC	Ann Mulvaney *Clayton Spangenberg	FEMA RI ICFI
Greenland Local EOC	*Melissa Savilonis	FEMA - RI

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Hampton Local EOC	Betsy Snell *Kent Tosch	FEMA - RI ICFI
Hampton Falls Local EOC	*Laura Forrest Thomas Gahan	FEMA RII ICFI
Kensington Local EOC	Patrick Taylor *Miriam Weston	ICFI FEMA RII
Kingston NH Local EOC	Gary Bolender *Brian Hasemann	ICFI FEMA RII
New Castle Local EOC	Henry Christiansen *Patricia Mason	ICFI FEMA RII
Newfields Local EOC	Jon Christiansen *Anthony Honnellio	ICFI EPA
Newton Local EOC	Mark Dalton *Linda Gee	ICFI FEMA RVI
North Hampton Local EOC	Joseph Lischinsky *Timothy Pflieger	ICFI FEMA RVI
Portsmouth Local EOC	*Melissa Savilonis	FEMA - RI
Rye Local EOC	*Melissa Savilonis	FEMA - RI
Seabrook Local EOC	*Patricia Gardner Gary Goldberg	FEMA - HQ ICFI
South Hampton Local EOC	*Melissa Savilonis	FEMA - RI
Stratham Local EOC	Nulise Francois Wanda Gaudet *Helen LaForge	FEMA - RI FEMA RI
Amesbury Local EOC	*Richard Echavarria Wes Ryals	FEMA RIX ICF
Merrimac Local EOC	Elena Joyner *Daryl Thome	FEMA RIX ICFI
Newbury Local EOC	*Rosemary Samsel Alberto Sifuentes	ICFI FEMA RIX
Newburyport Local EOC	Paul Anderson *David Petta	FEMA RIX ICFI
Salisbury Local EOC	*Ingrid Bruns Danny Loomis	FEMA RI ICFI
West Newbury Local EOC	*Larry Broockerd Roger Jobe	FEMA HQ ICFI
Amesbury: Amesbury Schools Superintendent	*John Rice	FEMA RI
Pentucket Schools Superintendent	*John Rice	FEMA RI
ME York County EOC	Richard Fournier *Bonnie Sheffield	ICFI FEMA -RVIII
Adeline C. Marston School	*Melissa Savilonis	FEMA - RI
Cooperative Middle School	*Melissa Savilonis	FEMA - RI
Heronfield Academy	*Melissa Savilonis	FEMA - RI
Winnacunnet High School	*Melissa Savilonis	FEMA - RI
Seabrook Elementary School	*Melissa Savilonis	FEMA - RI
Lincoln Street Elementary School	*Melissa Savilonis	FEMA - RI
Swasey Central School	*Melissa Savilonis	FEMA - RI
Kensington Elementary School	*Melissa Savilonis	FEMA - RI
Sanborn Region High School	*Melissa Savilonis	FEMA - RI
Memorial School	*Melissa Savilonis	FEMA - RI
Exeter High School	*Melissa Savilonis	FEMA - RI

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Hampton Academy	*Melissa Savilonis	FEMA - RI
North Hampton School	*Melissa Savilonis	FEMA - RI
Greenland Central School	*Melissa Savilonis	FEMA - RI
New Franklin School	*Melissa Savilonis	FEMA - RI
Lister Academy	*Melissa Savilonis	FEMA - RI
Amesbury: Amesbury Academy Charter	*John Rice	FEMA RI
Amesbury: Cashman School	*John Rice	FEMA RI
Amesbury: Little Sprouts Daycare	*Melissa Savilonis	FEMA - RI
Amesbury: Sparhawk Lower School	*Melissa Savilonis	FEMA - RI
Methuen: Timony School	*Melissa Savilonis	FEMA - RI
Amesbury: Camp Bauercrest	*Melissa Savilonis	FEMA - RI
Newburyport: Residential Options	*Melissa Savilonis	FEMA - RI
Newbury: Triton Supt.	*Melissa Savilonis	FEMA - RI
Newburyport: Coastal Alternative School	*Melissa Savilonis	FEMA - RI
Newburyport: Community Action-Head Start	*Melissa Savilonis	FEMA - RI
W. NewburyPathways for Learning	*Melissa Savilonis	FEMA - RI
West Newbury: Learning Tree Preschool	*Melissa Savilonis	FEMA - RI
Tewksbury High School	*John Rice	FEMA RI
Salisbury: New Beginnings Learning Center	*Melissa Savilonis	FEMA - RI
Newburyport: Kinder Care Daniel Lucy	*Melissa Savilonis	FEMA - RI
Newburyport: Nock Middle School	*Melissa Savilonis	FEMA - RI
Newburyport: Newburyport Supt.	*Melissa Savilonis	FEMA - RI
Newburyport: Kinder Care Low Street	*Melissa Savilonis	FEMA - RI
Newburyport: Mrs. Murrays Preschool	*Melissa Savilonis	FEMA - RI
Newburyport: Newburyport High School	*Melissa Savilonis	FEMA - RI
Newburyport: Newburyport Residence	*Melissa Savilonis	FEMA - RI
Newburyport: Newburyport Montessori	*Melissa Savilonis	FEMA - RI
A Place to Grow	*Melissa Savilonis	FEMA - RI
Rockingham County Nursing Home	*Melissa Savilonis	FEMA - RI
Polka Dots Childcare Center	*Melissa Savilonis	FEMA - RI
Appleseeds Day Care	*Melissa Savilonis	FEMA - RI
Donna Clarke Family Day Care	*Melissa Savilonis	FEMA - RI
Stratham Circle Learning Center	*Melissa Savilonis	FEMA - RI
Great Bay Kid's Company	*Melissa Savilonis	FEMA - RI
Newton Learning Center	*Melissa Savilonis	FEMA - RI
Over the Rainbow	*Melissa Savilonis	FEMA - RI
My First School	*Melissa Savilonis	FEMA - RI
Imprints Day School	*Melissa Savilonis	FEMA - RI
Kids Stop Inc.	*Melissa Savilonis	FEMA - RI
Oceanside Skilled Nursing and Rehab Ctr	*Melissa Savilonis	FEMA - RI
The Ridge at Riverwoods	*Melissa Savilonis	FEMA - RI
DeColores Childrens Center	*Melissa Savilonis	FEMA - RI
Clipper Harbor of Portsmouth CRC	*Melissa Savilonis	FEMA - RI
The Childrens Garden	*Melissa Savilonis	FEMA - RI
Edgewood Center	*Melissa Savilonis	FEMA - RI
Edgewood Learning Center	*Melissa Savilonis	FEMA - RI

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Kindercare Learning Center	*Melissa Savilonis	FEMA - RI
Kathleen Tostenson	*Melissa Savilonis	FEMA - RI
Pats Family Child Care	*Melissa Savilonis	FEMA - RI
Live Y'ers	*Melissa Savilonis	FEMA - RI
Newburyport: Inn Street Montessori	*John Rice	FEMA RI
Rochester Local EOC	Barton Freeman *Katherine Nishihara	FEMA RIII FEMA RIX
Dover Local EOC	James Cherniack *Edward Diaz	FEMA RV
Manchester Local EOC	Brian Collins *Kenneth Wierman	FEMA - RI FEMA HQ
Manchester MHS Reception Center Portal & Secondary Monitoring		
Rochester Reception Center	*Melissa Savilonis	FEMA - RI
Rochester Reception Center Vehicles	Don Carlton	FEMA RI
Rochester Reception Center Registration	Helen LaForge	FEMA RI
Manchester HS Reception Center Operations	*Melissa Savilonis	FEMA - RI
Manchester Reception Center Dosimetry	Helen LaForge	FEMA RI
Manchester Reception Center Vehicle Mon/Decon	Don Carlton	FEMA RI
Manchester Reception Center Female Mon/Decon	Taneeka Hollins	FEMA RI
Manchester Reception Center Registration	Barbara Thomas	FEMA RI
Manchester Reception Center Male Decon	Robert Swartz	FEMA RI
Manchester Reception Center Portal & Secondary Monitoring	John Rice	FEMA RI
Rochester Reception Center Portal and Secondary Monitoring	Ingrid Bruns	FEMA RI
Rochester Reception Center Male Monitoring/Decon	Robert Swartz	FEMA RI
Rochester Reception Center Female Monitoring/Decon	Taneeka Hollins	FEMA RI
Rockingham County State Transportation Staging Area	Ingrid Bruns Helen LaForge *Melissa Savilonis Barbara Thomas	FEMA RI FEMA RI FEMA - RI FEMA RI
Wentworth Douglas Hospital	*Helen LaForge	FEMA RI
Elliot Hospital	*Melissa Savilonis	FEMA - RI
Lexington: Minuteman High School	*Melissa Savilonis	FEMA - RI
Methuen: Methuen High School	*Melissa Savilonis	FEMA - RI
Wilmington: Shriner's Auditorium	*Melissa Savilonis	FEMA - RI
Wakefield: Wakefield High School	*John Rice	FEMA RI
MA KIDispensing Site-Danvers	*Melissa Savilonis	FEMA - RI
MA State Police Assembly- Troop A	*John Rice	FEMA RI
Methuen: Marash Grammer School	*John Rice	FEMA RI
* Team Leader		

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