



EMI SIG 2013 Annual Meeting Proposed Agenda



Sunday, May 5, 2013

6:00 pm–7:00 pm	Registration	Grand Reg. North
6:00 pm–7:00 pm	TRADEing Post Setup	Grand CD North
7:00 pm–8:00 pm	EMI SIG Steering Committee Meeting	Soldier Field

Monday, May 6, 2013

7:00 am–6:00 pm	TRADEing Post Setup	Grand CD North
7:00 am–6:00 pm	Registration	Grand Reg. North
7:00 am–8:00 am	Breakfast (on your own)	
7:00 am–5:30 pm	First and Field Responders Subcommittee (FFRSC) Meeting	Gold Coast
7:30 am–11:00 am	DOE Meteorological Coordinating Council (DMCC) Meeting	Hay market
8:00 am–10:45 am	Hazards Assessment Subcommittee (HASC) Meeting	Water Tower
8:00 am–12:00 pm	Training Subcommittee (TS) Meeting	Truffles
8:00 am–1:30 pm	Exercise and Drill Subcommittee (Ex-Drill) Workshop	Grand B
8:00 am–5:00 pm	Continuity of Operations Subcommittee (COOP) Meeting	Comisky
8:30 pm–4:00 pm	Emergency Public Information Subcommittee (EPI) Workshop	Grand A
11:00 am–11:45 pm	DMCC/SCAPA/HASC Joint Session	Water Tower
11:00 am–12:30 pm	EMAC – Feds Only	Wrigley
12:30 pm–4:30 pm	Technology Working Group (TECHWG) Meeting	Buckingham
1:15 pm–5:10 pm	Subcommittee on Consequence Assessment and Protective Actions Meeting (SCAPA) Meeting	Water Tower
2:30 pm–4:30 pm	Benchmarking: Developing a Comprehensive Emergency Management Plan Lani Fellows, National Security Technologies, LLC (NSTec)	Wrigley
5:00 pm–6:00 pm	National Atmospheric Release Advisory Center (NARAC) Users' Group Meeting	Water Tower



EMI SIG 2013 Annual Meeting Proposed Agenda



Tuesday, May 7, 2013

7:00 am–5:00 pm	TRADEing Post	Grand CD North
7:00 am–5:00 pm	Registration	Grand Reg. North
7:00 am–8:00 am	Breakfast (on your own)	
8:00 am–11:30 am	<p>Opening Session Moderator: Robert Gee Grand B</p> <p>Welcome/Opening Remarks Admiral Joseph Krol, Associate Administrator, DOE Office of Emergency Operations (NA-40)</p> <p>Keynote Speaker Gerald Baron Topic: Why Crisis Communications Plans Fail</p> <p>BREAK DOE Headquarters Update</p> <p>Jennifer MacDonald, Director, DOE Sustainability Performance Office (EE-2N)</p> <p>Carl Pavetto, Deputy Director, DOE Office of Security (HS-50)</p> <p>Patrick Bretrell, DOE Office of Emergency Management (NA-41)</p> <p>Joseph Stambaugh, Director, Office of Emergency Operations Support, (NA-44) Tom Staker, Deputy Director for Oversight, HS-40</p>	
11:30 am–1:00 pm	Lunch (on your own)	
11:30am–12:45pm	Environmental Management Emergency Management Coordinators Meeting	Haymarket
1:00 pm–2:30 pm	Workshops	
	<p>Workshop 1 – Grand B Severe Events Planning</p> <p>David Freshwater, Bill Froh, and Patrick Brettell, NA-41</p>	<p>Workshop 2 – Grand A Crisis Decision-Making for Emergency Response</p> <p>Stephanie Titus, Reed Hodgkin, and Derek Skene, AlphaTRAC</p>
2:30 pm–3:00 pm	BREAK	
2:30 pm–3:00 pm	EMI SIG Steering Committee	Soldier Field
3:00 pm–4:30 pm	Workshops	
	<p>Workshop 3 – Grand B Severe Events Exercises</p> <p>David Freshwater, Bill Froh, and Patrick Brettell, NA-41</p>	<p>Workshop 4 –Grand A Competency-Based Command Training and Certification</p> <p>Ted Nee and Dennis Cavalier, SNL</p>
5:00 pm–6:00 pm	SCAPA Consequence Assessment Modeling Working Group (CAMWG) Meeting	Haymarket



EMI SIG 2013 Annual Meeting Proposed Agenda



Wednesday, May 8, 2013

7:00 am–5:00 pm				TRADEing Post		Grand CD North	
7:00 am–5:00 pm				Registration		Grand Reg. North	
7:00 am–8:00 am				Breakfast (on your own)			
8:00 am–9:30 am				Concurrent Sessions			
Grand B		Grand A		Truffles		Buckingham	
Session 1A Severe Events		Session 1B Exercises		Session 1C Emergency Response Organization		Session 1D Training and Drills	
Moderator: Dan Connell, HAN		Moderator: Robert Gee, Y-12		Moderator: Michael Knazovich, SNL		Moderator: Forest Holmes, INL	
Resiliency Is for Everyone! Presenter: Diane Senutovich, LANL		Exercises Are Not All Fun and Games: The Emotional Side of Active Shooter Exercises Presenters: Patty Billy; Theresa McCollom, LLNL		National Capability Gaps for State and Local First Responders: What They Are, How They are Developed, and What They Mean for DOE Presenter: Reed Hodgkin, AlphaTRAC		The Marines Want to Do WHAT? Presenter: Bill Knipper, NESTec	
Integrated Emergency Response and Severe Event Relocation Presenter: Ryan Chartier, NSTec		Exercising with State and Local Governments Presenters: Bob Murawski, Murawski Enterprises Roger Thompson, TEMA		Events Leading to Well House Explosion Presenter: Tim Kelly, BNL		Web-Based Hazardous Materials Technician and Incident Command Presenter: Ted Nee, SNL	
Critical Safety Functions and Emergency Planning/Response: Understanding & Integrating the Links Presenter: Marie Dunkle, M.K. Dunkle Consulting		No Time Outs when Terrorists Attack Presenter: Bill Knipper, NSTec		Let's Face It: Change Happens and the Emergency Response Organization Is No Exception Presenter: Linda Murawski, Murawski Enterprises		Harnessing Change: One ERO Concept Presenter: Dave Stuhan, NSTec	
						Where are the Super Heroes? Presenter: Diane Senutovitch, LANL	



EMI SIG 2013 Annual Meeting Proposed Agenda



Wednesday, May 8, 2013 (continued)

9:30 am–10:00 am			
BREAK			
10:00 am–11:30 am			
Concurrent Sessions			
Grand B	Grand A	Truffles	Buckingham
<p>Session 2A Severe Events</p> <p>Moderator: Jim Colson, LLNL</p>	<p>Session 2B Exercises</p> <p>Moderator: Jim Daniels, NSTec</p>	<p>Session 2C Consequence Assessment</p> <p>Moderator: Eugene McPeck, SNL</p>	<p>Session 2D Emergency Public Information</p> <p>Moderator: Robert Gee, Y-12</p>
<p><u>BDBE Prioritization</u></p> <p>Presenter: Sam Henderson, SNL</p>	<p><u>Lessons Learned Planning and Conducting a Full-Participation Active Shooter Exercise</u></p> <p>Presenter: Terry Nore, Y-12</p>	<p><u>Estimating Clean-up Cost</u></p> <p>Presenter: Wayne Davis, URS Professional Solutions</p>	<p><u>EPI in the Former Soviet Union – Working to Change the Established Culture</u></p> <p>Presenter: John Mitchell, Knowledge Solutions</p>
<p><u>Beyond Design Basis: How Far Beyond Would You Like to Talk About?</u></p> <p>Presenter: Chuck Rives, Pantex</p>	<p><u>Hospital Preparedness for Radiological Incidents</u></p> <p>Presenter: Todd Davidson, NSTec</p>	<p><u>How Do I Explain a Consequence Assessment Model Prediction to Decision Makers?</u></p> <p>Presenters: John Nasstrom and Kevin Foster, LLNL</p>	<p><u>Surfing the Winds of Change with Social Media</u></p> <p>Presenters: Doug Larson and Melissa Otero, EOTA</p>
<p><u>Benchmarking Pantex and Hanford: A Meeting of the Prairies</u></p> <p>Presenters: Chuck Rives and Aprill Jivelekas, Pantex</p>	<p><u>Use of GIS in Emergency Response part II, (iCRAM: I Can Read A Map!)</u></p> <p>Presenter: William Purtymun, LANL</p>	<p><u>The Answer is Blowing in the Wind": Field Monitoring Team Operations for Oak Ridge National Laboratory</u></p> <p>Presenters: Thom Kerr and Michelle Wolfgram, ORNL</p>	<p><u>Mock Media on a Mock Budget</u></p> <p>Presenter: Dale Leschnitzer, LANL</p>



EMI SIG 2013 Annual Meeting Proposed Agenda



Wednesday, May 8, 2013 (continued)

11:30 am–1:00 pm Lunch (on your own)			
1:00 pm–2:30 pm Concurrent Sessions			
Grand B	Grand A	Truffles	Buckingham
<p>Session 3A Consequence Assessment</p> <p>Moderator: Jim Colson, LLNL</p>	<p>Session 3B Emergency Facilities and Equipment</p> <p>Moderator: Dan Connell, HAN</p>	<p>Session 3C Technology</p> <p>Moderator: Jim Daniels, NSTec</p>	<p>Session 3D Communications and Notifications</p> <p>Moderator: Eugene McPeek, SNL</p>
<p><u>SNL Field Monitoring Team</u></p> <p>Presenters: Theresa Rolfe and Jon Nelson, SNL</p>	<p><u>The Reluctance of People to Pull the Fire Alarm: A Review of the Research Project Conducted by PNNL on Human Performance Expectations During Emergencies</u></p> <p>Presenter: Alisa Haller, PNNL</p>	<p><u>Harnessing Mobile Technology to Deliver Critical Information</u></p> <p>Presenters: Doug Larson and Paul Stoudenmire, EOTA</p>	<p><u>Notification to Offsite Agencies</u></p> <p>Presenter: Anna Brown, NSTec</p>
<p><u>Upgrades to Consequence Assessment Tools for Estimating Source Terms of Multiple Container HazMat Events</u></p> <p>Presenters: Jon Nelson and Theresa Rolfe, SNL</p>	<p><u>Cyber Events - Goodbye Internet</u></p> <p>Presenter: Sam Henderson, SNL</p>	<p><u>Harnessing Technology Tools to Enhance Your Joint Information System</u></p> <p>Presenter: Holly Hardin, ORISE</p>	<p><u>Hurricane Sandy</u></p> <p>Presenter: Michael Pena, BNL</p>
<p><u>Integrating INPO Standards into Emergency Management at the Advanced Test Reactor</u></p> <p>Presenter: Forrest Holmes, INL</p>	<p><u>Managing Critical Systems for Higher Availability and Reliability</u></p> <p>Presenter: Henry Pazos, NSTec</p>	<p><u>SharePoint: A Whirlwind of Innovation</u></p> <p>Presenters: Jennifer Nachor and Paul Stoudenmire, EOTA</p>	<p><u>That Was Soooo 30 Seconds Ago: The Crisis Communications Landscape Has Forever Changed—A Perspective from Waldo Canyon Fire</u></p> <p>Presenter: Jeffrey Leifel, ORISE</p>



EMI SIG 2013 Annual Meeting Proposed Agenda



Wednesday, May 8, 2012 (continued)

2:30 pm–3:00 pm	BREAK	
	EMI SIG Steering Committee Meeting	Stetson
3:00 pm–4:30 pm	<p>Closing Session</p> <p>Moderator: Robert Gee, Y-12</p> <p>Closing Keynote Address</p> <p>William Bryan, Deputy Assistant Secretary, DOE OE-30</p> <p>Topic: DOE's Role in Responding to Hurricane Sandy</p> <p>Awards</p> <p>Open Discussion</p> <p>Adjournment</p>	
4:30 pm–5:30 pm	EMI SIG Steering Committee Meeting	Stetson

Thursday, May 9, 2013

7:00 am–8:00 am	Breakfast (on your own)	
8:00 am–12:00 pm	Homeland Security Education Center at the College of DuPage	Meet in East Lobby at 7:45 am
8:00 am–4:00 pm	Exercise Builder Version 8	Grand B
1:30 pm–4:30 pm	Exercise Builder Version International Overview	Grand CD

Baron, Gerald, Agincourt Strategies LLC

Keynote Speaker

Opening Session

Why Crisis Communication Plans Fail

How can you know the emergency public information plan you have will actually work, short of a major crisis? This presentation, based on the popular Emergency Management blogpost and white paper, identifies the primary reasons why many crisis and emergency communication plans will fail to meet today's high expectations.

Billy, Patty, and Theresa McCollom, LLNL

Session 1B

Exercises Are Not All Fun and Games: The Emotional Side of Active Shooter Exercises

In 2012, Lawrence Livermore National Laboratory (LLNL) conducted several drill and exercise scenarios using an active shooter as the initiating event. This included working with outside law enforcement and hospitals. During the post exercise debriefs included comments by the first responders, actors as well as off-site participants regarding the emotional side of responding to such an event. We will provide actual video of the conversation between one of our actors and the off-site hostage negotiation team as part of the presentation.

Brettell, Patrick, DOE Office of Emergency Management, NA-41

Opening Session

National Preparedness Report

The presentation will discuss DOE input to the National Preparedness Report (NPR), an annual report required by Presidential Policy Directive 8 (PPD-8) and compiled by the Federal Emergency Management Agency (FEMA) with input from all other federal agencies. The Report documents progress "toward building, sustaining, and delivering the 31 core capabilities" outlined in the National Preparedness Goal (NPG). These core capabilities cover prevention of, protection from, mitigation of, response to, and recovery from any emergency that affects the United States on national scale. The presentation will communicate the information-gathering process of the NPR in order to expedite future iterations of the annual requirement and ensure uniform input.

Brown, Anna, NSTec

Session 3D

Notification to Offsite Agencies

This presentation will address how the Nevada National Security Site (NNSS) has improved communications and notifications provided to offsite agencies with respect to the site's hazards, locations thereof, and the potential effects of those hazards on the public. This presentation will specifically highlight a tool that was developed to improve the process in communicating protective action recommendations (PARs), allowing offsite agencies to effectively implement PARs. In addition, the presenter will provide other process improvements that the NNSS has implemented in support of building better partnerships with offsite agencies..

Chartier, Ryan, NNSS

Session 1A

Integrated Emergency Response and Severe Event Relocation.

Presenter will discuss the Nevada National Security Site (NNSS) Integrated Emergency Operations. The focus of the presentation will look at integrated emergency operations in the Operations Coordination Center (OCC) during emergency incidents, with a focus on integration of OCC (Operations Coordination Center) Duty Manager, Fire Dispatch, OSS (Operations Support Specialists) WSI-NV Security Liaison, and AGOS (Air Ground Operations Support). This presentation will also discuss capabilities to relocate the Operations Coordination Center (OCC) to an alternate facility more than 65-miles away during a severe event with catastrophic consequences that impacts emergency response centers. The presenter will address some key strengths, and also weaknesses, in the relocation process.

Davidson, Todd, NNSS

Session 2B

Hospital Preparedness for Radiological Incidents

When the hospital receives a call that a mass surge of patients from a radiation accident is on their way, a planned course of action should be followed. Training should be part of the hospital in-service program and should include EMTs and paramedics since they play an important role in assisting the emergency department staff through notification, control and transport of radiation accident victims before arrival. Each member of the hospital team should be familiar with the hospital's written plan and be required to participate in scheduled drills and exercises. More frequent drills (semiannually) should be considered by fire & rescue, or radiological monitoring. The first responder should be familiar with the hospital's capabilities and their established process when dealing with radiological contaminated patients. Involving both the first responders and the hospital emergency department staff during drills and exercises can assist with discovering those gaps prior to the radiological incident occurring and provide a path for success.

Davis, Wayne, and Annah Garrison, URS Professional Solutions

Session 2C

Estimating Clean-up Cost

This presentation will outline a method to estimate the extent of ground contamination (surface area and distance from release). This method uses a familiar consequence assessment code (HotSpot) and existing chemical and/or radiological cleanup criteria. The output may be used in support of Emergency Management (e.g., Recovery Phase) or other disciplines (e.g., Fire Hazards Analysis cost calculations). This method was recently used in support of a DOE site Fire Hazards Analysis.

Dunkle, Marie, M.K. Dunkle Consulting

Session 1A

Critical Safety Functions and Emergency Planning/Response: Understanding & Integrating the Links

One of the lessons learned through last year's BDBA Event pilots and addressed in the 2012 Nuclear Safety Workshop was the need for integration of emergency planning with Operations emergency actions and recognition of the critical safety functions that operators perform to mitigate

emergencies. This talk will provide examples of mitigation responses performed by plant operations and maintenance personnel to limit the progression of accident scenarios at both chemical and nuclear facilities. The speaker will make practical points to explain why understanding of critical safety functions performed by operations may benefit the emergency planning processes of risk analysis, scenario development, tabletop conduct, personnel safety, and site readiness.

Fellows, Lani, NSTec

Monday Benchmarking

Benchmarking: Developing a Comprehensive Emergency Management Plan

This facilitated benchmarking experience will allow DOE/NNSA sites to share information regarding the creation and documentation of site-wide emergency management plans, to include preparing for beyond design basis events. Participants can explore base program planning as well as hazardous/severe event planning and get a wider perspective of the varying programs. Session will encourage collaboration opportunities for each site to explore enhancements to their individual program plans. Typically, sites are afforded to travel to one or two sites for benchmarking programs; however, this benchmarking experience will bring a multitude of sites together in one location. Pre-registration for this session is recommended so sites can bring their site-specific documents, etc. (NOTE: Controlled Attendance)

Freshwater, David, and William Froh, DOE NA-41

Workshop 3

Severe Events Exercises

The workshop will address the use of drills and exercises to develop measures/procedures to compensate for the loss or degradation of critical systems or capabilities related to emergency response or control of hazards in a facility. The workshop will also discuss considerations involved in planning and conducting exercises involving multiple facilities versus a single facility. Lessons learned by sites that have already conducted severe event drills/exercises will be included in the workshop.

Freshwater, David, and William Froh, DOE NA-41

Workshop 1

Severe Events Planning

The workshop will address specific aspects of emergency planning for severe events by examining: specific requirements that address planning needed to respond to severe events; planning for the response to simultaneous accidents at multiple facilities; coordination of site, facility, and community emergency plans; and integration of the site's emergency management, security, and continuity of operations (COOP) activities.

Griffin, Randy, DOE HS-45

Opening Session

Independent Oversight Targeted Review of Emergency Preparedness for Severe Natural Phenomena Events at DOE Nuclear Facilities

The U.S. Department of Energy (DOE) Office of Enforcement and Oversight (Independent Oversight), which is within the Office of Health, Safety and Security (HSS), occasionally reviews specific areas of interest at the DOE nuclear facilities. These reviews are targeted at aspects of

safety programs that Independent Oversight determines warrant increased management attention based on reviews of past performance data, inspection results, and operating experience across DOE sites and similar industries. Independent Oversight selected the DOE complexes' preparedness for responding to plausible severe natural phenomena events that represent beyond design base events similar to the experience at the Fukushima Daiichi nuclear power electrical generating station in Japan from an earthquake and flooding from a resulting tsunami. Although emergency planners at DOE facilities traditionally consider beyond design base events that result in a hazardous materials release from a single facility, these reviews evaluated the state of preparedness in case of a severe natural phenomena event that is capable of damaging multiple facilities, including hazardous material facilities, command centers, shelters used for the protection of site personnel, and damage to electrical power sources and distribution systems. This presentation will provide lessons learned from these severe natural phenomena event reviews, including consequences that considered hazardous material releases from multiple facilities, the degradation of command centers and employee shelters, the proximity of command centers to hazardous materials, and complications in acquiring offsite assets.

The Independent Oversight severe natural phenomena event reviews evaluated the technical basis for planned responses, the survivability and habitability of structures used in the implementation of planned responses, the reliability of electrical distribution systems and on-site power capabilities for extended operations, the readiness of onsite emergency response equipment for immediate use, and the plans and procedures for integrating offsite assets into a site response.

The Independent Oversight review team is comprised of experienced Federal and contractor staff who are highly familiar with DOE/NNSA emergency management processes and techniques.

Haller, Alisa, PNNL

Session 3B

The Reluctance of People to Pull the Fire Alarm: A Review of the Research Project Conducted by PNNL on Human Performance Expectations During Emergencies

After multiple incidents occurred, where staff members did not activate the facility fire alarm, PNNL conducted a scientific research project to determine what the underlying behavioral issues were, for the reluctance of staff to activate the fire alarm. A cross-section of individuals were identified with varying degrees of experience, education, and position level. An interview methodology was employed and a statistician was utilized to determine analysis of the data and any relations with the data and variables. This presentation will go over how the research was developed, the methodology, the hypothesis, the variables, the results, and the conclusions.

Hardin, Holly, ORISE

Session 3C

Harnessing Technology Tools to Enhance Your Joint Information System

When critical issues arise or an emergency event occurs, ensuring your Joint Information System (JIS) is capable of communicating and disseminating emergency public information is essential. In severe and multi-site events, the JIS must be well developed, well-trained, and provide for redundant communications. With the advent of new communications technology such as social media, mobile applications, smartphones, and tablets, emergency communicators are well-equipped to ensure

warning and notifications can be disseminated to affected communities and provide redundant communication systems. This presentation will describe free and low-cost technology solutions for enhancing and establishing redundant communication systems for a JIS. Additionally, case studies and best practices will be discussed and presented so that attendees may integrate these technologies into their own JIS to provide practical communications solutions.

Henderson, Sam, SNL

Session 2A

BDBE Prioritization

This presentation covers how Sandia National Laboratories has incorporated BDBE exercises into their Emergency Management Exercise Program, which also includes COOP exercises. It will also include the results of SNL's most recent BDBE tabletop exercise and how we utilized the SNL/CA site, which had already done comprehensive planning for earthquakes as a result of their location and elevated risk of having such an event as well as the positives and possible negatives of our sharing a site with the DoD United States Air Force. Opportunities for Improvement resulting from the TTX, and how we tracked them to completion, as well as a response priority methodology that was developed for all of our facilities, will also be discussed.

Henderson, Sam, SNL

Session 3B

Cyber Events - Goodbye Internet

This session will discuss SNL's processes currently in place and a recent assessment of their readiness and ability to coordinate and manage response to a cyber event that would necessitate Sandia's disconnecting from the Internet. Gaps, issues, and areas for improvement will be shared.

Hodgin, Reed, AlphaTRAC

Session 1C

National Capability Gaps for State and Local First Responders: What They Are, How They are Developed, and What They Mean for DOE

The Department of Homeland Security (DHS) First Responder Group supports the needs of more than 60,000 state and local emergency response organizations. As part of this mission, DHS established the First Responder Resource Group, a panel of over 120 state and local responders, to identify and prioritize responder capability gaps. DHS uses the recommendations of the panel to establish multi-year initiatives to close these gaps. This presentation will introduce the DHS process, summarize the gaps currently identified by the response community, and describe the DHS initiatives to address these gaps. Implications for DOE first responders will be discussed.

Holmes, Forest, INL

Session 3A

Integrating INPO Standards Into Emergency Management at the Advanced Test Reactor

In 2012 the Advanced Test Reactor (ATR) Complex embarked on a mission to implement sustained excellence in operations. Several elements of the sustained plan activities required participation by the INL emergency management program. Using Institute of Nuclear Power Operations (INPO) guidance documents such as "INPO 05-003 and its recent update INPO 12-013 "Performance Objectives and Criteria, several products were developed to aid in program administration and

performance monitoring. (1) A gap analysis identified three initial focus areas for program improvement that are now part of the ATR Sustained Excellence Plan. (2) Performance indicators related to the results of the gap analysis were developed to aid in monitoring the process of achieving and maintaining excellence. (3) Improvements in event categorization and classification tools were realized by benchmarking systems utilized by commercial nuclear plants. The primary focus of the presentation will be to give an overview of the reasoning, process and materials developed to date to implement relevant INPO standards at the ATR Complex.

Kelly, Tim, BNL

Session 1C

Events Leading to Well House Explosion

In October of 2008 BNL had an explosion and full destruction of one of the well house buildings. Presenter will discuss the events that lead to the explosion and what changes were made in procedures and maintenance.

Kerr, Thom, and Michele Wolfgram, ORNL

Session 2C

"The Answer is Blowing in the Wind": Field Monitoring Team Operations for Oak Ridge National Laboratory

This presentation focuses on the evolutionary changes to Field Monitoring Team operations for Oak Ridge National Laboratory (ORNL) over the last five years. It will describe important changes in procedures, facilities, equipment, and implementation that have markedly increased the efficiency and timeliness of FMT data incorporation into event consequence assessment. It will also describe how ORNL FMT operations support offsite field monitoring for the State of Tennessee.

Knipper, William, NSTec

Session 1D

The Marines Want to Do WHAT?

NSTEC Emergency Planning and Preparedness has now engaged in Work For Others (WFO) projects with a recurring customer in support of interdepartmental training. The composite force of disciplines associated with carrying out these types of projects have resulted in a renewed and untapped resource for a DOE customer base that had not recently operated in this depth of training. Our sites offer unique opportunities to accomplish training and draw upon various expertise not typically found in most training arenas. This session will explain how our project team offered a unique training product that left a WFO customer wanting more and more based on our abilities.

Knipper, William, NSTec

Session 1B

No Time Outs When Terrorists Attack

The CARNIVORE-13 Full Scale Exercise scheduled in Nevada in June 2013 has invoked a regional planning effort that draws upon responders from two states as well as site security and local, county and federal response agencies that will engage their organizations in a n extended that will quickly overwhelm the capabilities of the facility. This event will have multiple malevolent acts occurring in rapid succession in different buildings. With such a pronounced response, control and safety of the exercise must be a well-coordinated affair and will involve multiple agencies submitting controllers, evaluators and subject matter experts in order to facilitate a valuable and groundbreaking training event. This session is designed to give others in the emergency management arena insight in what potential they may able to achieve at their own site.

Larson, Doug, and Melissa Otero, EOTA

Session 2D

Surfing the Winds of Change with Social Media

Social media has created a major change in crisis communications. Twitter, Facebook, Flickr and YouTube have become new ways the public seeks information in times of trouble. By examining how social media has been used by the public in an emergency, crisis communicators can surf the winds of change and provide information quickly and efficiently to the public using new technology.

Larson, Doug, EOTA, and Paul Stoudenmire, Innovative Technology Partners (ITP)

Session 3C

Harnessing Mobile Technology to Deliver Critical Information

In a rapidly changing world of information technology, the Emergency Operations Training Academy (EOTA) provides innovative cutting edge answers to the demand for technology advancements. This presentation will demonstrate the versatility and mobility of accessing information through mobile devices by means of an Electronic Performance Support System. The demonstration will spotlight access to COOP checklists, EPI message maps, and job aids on radiological detection devices; only a few of the vast number of applications adaptable to other programs. The EPSS has cross-platform implementation and can support media-rich content, including video, making just-in-time refresher or on-the-job training accessible from any location.

LaSalla, Charles, BNL

Session 1C

Events Leading to Well House Explosion

In October of 2008, BNL had an explosion and full destruction of one of the well house buildings. This presenter will discuss the events that lead to the explosion and what changes were made in procedures and maintenance.

Leschnitzer, Dale, LANL

Session 2D

Mock Media on a Mock Budget

Add realism to your exercises and training with mock media. Audio, video, and interactive web artifacts are easy to produce with limited experience and inexpensive or even free tools. The presenter has used mock media effectively for EM, COOP, IT operations, and Cyber Security exercises.

Leifel, Jeffrey, ORISE

Session 3D

That Was Soooo 30 Seconds Ago: The Crisis Communications Landscape has Forever Changed - A Perspective from Waldo Canyon Fire

Does the public know more than you do? Maybe... As one of the many first responders and emergency management personnel involved during the Waldo Canyon Fire, the presenter will take this session back to the incident and then challenge the audience to look inward at their own Crisis Communication efforts. Do you see opportunities to incorporate new technology or involve a social media channel you previously thought unnecessary? See exactly why news and the public are ahead of official releases and determine how to best incorporate Technology and Social Media.

MacDonald, Jennifer, DOE Sustainability Performance Office (EE-2N)

Opening Session

Leveraging Lessons Learned from Hurricane Sandy: DOE Operations and Climate Change Adaptation

On October 29, 2012, Hurricane Sandy made landfall near Atlantic City, NJ as a post tropical cyclone. Sandy caused devastation to millions of U.S. citizens from North Carolina to Maine, greatly affecting the energy infrastructure and thus, emergency response and rehabilitation. Shortly following, on November 7th, a Nor'easter also hit the Mid-Atlantic and Northeast. This catastrophic series of events caused 8.5 million customer outages in 21 states. The U.S. Department of Energy (DOE) is working to align its first Climate Change Adaptation Plan with recent lessons learned from Sandy. This has implications for DOE's natural disaster and emergency response teams, facility operations (COOP), energy infrastructure support and associated planning.

Mitchell, John, Knowledge Systems Solutions

Session 2D

EPI in the Former Soviet Union—Working to Change the Established Culture

Organizational cultures form over time through behavior patterns that are perceived to lead to successful outcomes. EPI has become increasingly important, with the advent of better technology and more dynamic communications models worldwide. Changing EPI culture requires awareness of

the culture, assessment of needed changes, and the creation of new models, along with the leadership, tools, and commitment to implement these new models. It also requires monitoring and feedback to ensure new EPI models are effective and implemented. This presentation reports challenges and successes in changing the Russian nuclear agencies' EPI organizational culture.

Murawski, Bob, Murawski Enterprises, Inc., and Roger Thompson, TEMA

Session 1B

Exercising with State and Local Governments

The U.S. Department of Energy (DOE) exercises under the requirements of DOE Order 151.1C. State and local governments exercise under the requirements of the Homeland Security Exercise Evaluation Program. The DOE sets a minimum requirement of inviting the state and local governments to participate in an exercise every three years. These three requirements, if implemented in strict compliance, may result in an uncoordinated response between onsite and offsite response agencies. This presentation will discuss the strategies that have been implemented at the Oak Ridge Reservation (Y-12, ORNL, and ETTP) to ensure a strong understanding and working relationship between the DOE/NNSA, their contractors, and state and local governments and agencies.

Murawski, Linda, Murawski Enterprises, Inc.

Session 1C

Let's Face It: Change Happens and the Emergency Response Organization Is No Exception

Emergency Response Organizations (EROs) are not immune to change. Indeed, they are experts in the change process based on the very nature of their jobs. A useful framework for thinking about the change process is problem solving through leadership and decision making. Managing change can be viewed as moving from the problem state to the solved state. ERO leaders affect change through the goals they set and achieve at various levels and in various areas or functions. Careful planning, supported by efforts to obtain buy-in, support and commitment, provide a transition from one state to another with win-win results.

Nachor, Jennifer, EOTA, and Paul Stoudenmire, Innovative Technology Partners (ITP)

Session 3C

SharePoint: A Whirlwind of Innovation

EOTA has transformed its business practices from paper to electronic using SharePoint. SharePoint connects your organization and its customers with a manageable, searchable, secure, and accessible information environment. It enables valuable business knowledge to be captured in an easily searchable information medium. It is an effective management, collaborative, and communication tool. The benefits of SharePoint include improved team effectiveness, connecting people with information and sharing resources, rapid response to changing situations, and shared business data without divulging sensitive information. By harnessing these winds of change, the methods we used for improvement could be tailored to work for anyone.

Nasstrom, John and Kevin Foster, LLNL/NARAC
Session 2C

How Do I Explain a Consequence Assessment Model Prediction to Decision Makers?

This presentation will describe new products that provide incident-specific plume maps and briefing slides to explain, to decision makers, the public and worker protective actions that should be considered following a hazardous atmospheric release. These consequence assessment "briefing products" use plain, non-technical language and have been recently made available to DOE sites automatically through the NARAC Web system.

NARAC is a DOE site resource for beyond-design-basis consequence assessment modeling, as NARAC can simulate long range atmospheric dispersion, as it did for the Fukushima nuclear plant accident. NARAC consequence assessment modeling tools are some of the most widely used at DOE sites. Disseminating knowledge of the latest features of NARAC products and tools is important for maintaining emergency preparedness at DOE sites.

Nee, Theodore William ("Ted"), SNL
Session 1D

Web-Based Hazardous Materials Technician and Incident Command Training

The instructor will present an overview of a web-based hazardous materials technician and hazardous materials incident commander training program based on the "Hazardous Material: Managing the Incident" textbook. This program is suitable for both initial certification and ongoing refresher training. DOE site instructors have the ability to add site specific custom content to the web-based curriculum. The curriculum meets all of the job performance requirements in the NFPA 472 Hazardous Materials Technician 2013 Edition.

This session will present a web-based hazardous materials technician and incident command training program that can be adopted by emergency response groups across all of the Department of Energy sites.

Nee, Theodore William ("Ted") and Dennis Cavalier, SNL
Workshop 4

Competency-Based Command Training and Certification

In this interactive presentation and workshop the presenters will provide an overview of competency-based training and certification for incident commanders and company officers using the "Blue Card" command program. The instructors will discuss the latest research on decision skills training and the value of high fidelity incident simulation training in developing command competence. Attendees will have the opportunity to participate in several high-fidelity incident simulations facilitated by the instructors.

This session will present a command training model and system that can be adopted by emergency response groups across all of the Department of Energy sites.

Nelson, Jon and Theresa Rolfe, SNL

Session 3A

Upgrades to Consequence Assessment Tools for Estimating Source Terms of Multiple Container HazMat Events

Sandia National Laboratories' evaporation rate tool and chemical tool have been upgraded, respectively, to address temperature ranges for liquids and to more easily address multiple containers of HazMat. For liquids, the evaporation rate is highly dependent on the temperature. For the purposes of Hazard Surveys, a standard temperature (20°C) is used, but for real-world events the temperature (and thus evaporation rate) may be significantly higher or lower. For multiple containers of HazMat, the chemical tool works with existing chemical database information and the evaporation rate tool to provide a combined normalized source term to be modeled in EPIcode.

Consequence Assessment: the evaporation rate calculator is used to estimate the amount of liquid hazardous materials that have evaporated as a result of a spill or explosion. The chemical tool is used when involving more than one chemical (including more than one liquid), as is frequently the case for large, multi-facility catastrophic events. The combined use of the tools provides a means to calculate a representative, normalized source term that can be modeled in EPIcode.

Nore, Terry, Y-12

Session 2B

Lessons Learned Planning and Conducting a Full-Participation Active Shooter Exercise

This presentation will focus on the lessons learned during the planning and conduct of a full-participation Active Shooter exercise at the Y-12 National Security Complex. Specific topics include how MOUs and MOAs with local law enforcement agencies may not be fully vetted (bringing cameras, video and explosives on to your site); not fully developing scenario data for the 'shooter' to use during interrogation; and the ERO's confusion with multiple applicable protective actions.

Pavetto, Carl

Opening Session

Update on DOE Security Policy and Relation to Emergency Management

This presentation covers developments in DOE security policy related to emergency management. Topics that will be covered are: Status of the revised SECON procedure for determining the security condition for DOE and integration with Continuity Program (DOE O 150.1); Status of amendments to 10 CFR 710 Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material; Amendments to 10 CFR Part 1046 Physical Protection of Security Interests; Update on changes to DOE O 470.4B; General comments on integration of security policy with emergency management in the DOE complex.

Pazos, Henry P. III, NSTec

Session 3B

Managing Critical Systems for Higher Availability and Reliability

This presentation provides an overview on how National Security Technologies, Emergency Facilities and Equipment Section, has formally identified its nine Critical Systems and how these systems are being managed to ensure higher availability and reliability for Emergency Services and Operations Support (ESOS) Command Centers. Further defined are the Command Center

notification and reporting requirements for reporting outages for Critical Systems, from outage occurrence, to outage restoral. Recently developed Uptime Metrics will show the uptime and availability rates for all nine ESOS Critical Systems over the past year.

Pena, Michael, BNL

Session 3D

Hurricane Sandy

The presentation will provide best practices and lessons learned with preparing for, responding to and recovering from Hurricane Sandy. It will also describe how the hurricane impacted BNL and how it affected employees in the surrounding area; what precautions were taken to prepare and how we communicated to all employees, guests and users before, during and after the storm; and how we identified essential activities and maintained essential staff. The presentation will speak to how BNL supported the local emergency management agency and FEMA after the storm.

Purtymun, William, and Rachael Hixson, LANL

Session 2B

Use of GIS in Emergency Response part II, (iCRAM: I Can Read A Map!)

With the advent of Geographic Information Systems, mapping has become easier and yet more complex as the amount of information available increases. Emergency Responders have many tools available to them but perhaps none are as important as the ability to locate oneself spatially, as on a map or a computer during emergency response operations through to recovery. During the Las Conchas Fire multiple mapping needs and sources of information were available which sometimes lead to confusion over what was being depicted. This presentation will discuss some of these mapping needs, the display of protective actions, as well as what pre-planning that can be done to streamline the mapping process during an emergency, both for use in drill and exercises.

Rives, Chuck, Pantex

Session 2A

Beyond Design Basis: How Far Beyond Would You Like to Talk About?

Pantex has developed a methodical approach to examining, sorting and prioritizing Severe Events. This process could be applied at many sites. It provides some justification for selection of planning scenarios and budgeting analytical and emergency planning resources for Severe Events and Beyond Design Basis Events.

Rives, Chuck, and Aprill Jiveleka, Pantex

Session 2A

Benchmarking Pantex and Hanford: A Meeting of the Prairies

Hanford and Pantex conducted a benchmarking meeting to collaborate on severe events; ERO personnel; EPHA/EAL development and maintenance; training of ERO and general site employees; and beyond design basis and multi-facility exercise development. The presentation will address lessons learned from the visit.

Rolfe, Theresa, and Jon Nelson, SNL

Session 3A

SNL Field Monitoring Team

Field monitoring data for a radiological release event are communicated to the Consequence Assessment Team. The team analyzes the data using the SNL-developed Consequence Assessment Field Monitoring Tool and uses the data to scale the source term. The release is then remodeled using the new, more accurate source term to identify contamination levels and to provide updated recommendations for the Incident Commanders to modify any protective actions. This Field Monitoring Tool will be described and demonstrated.

Senutovitch, Diane, LANL

Session 1D

Where are the Super Heroes?

How are we unifying Active Shooter (AS)/Work Place Violence (WPV) event responses into our emergency planning and preparedness base programs for our overworked/over stressed workforce? Where are the Super Heroes?—Is really asking who is protecting me, my family, friends at our places of work?

Expecting our workers to harness their own "superhero" via training, awareness briefings, drills and activities that encourage them to practice "Run, Hide or Fight" responses to an active shooter event is sobering yet realistic expectation. Do we modify building/occupant emergency procedures and protective actions to incorporate worker and responder actions to (AS/WPV) event at work, home, or out and about? Leaders must demonstrate and communicate security-safety values for workers to embrace a strong security-safety culture in the workplace, and their own responsibilities.

Senutovitch, Diane, LANL

Session 1A

Resiliency Is for Everyone!

Planning for "beyond design basis events analysis" isn't just about the perfect storm scenario that brings chaos and destruction. An all hazards approach to methodically plan for and ensure the resiliency of our programs during events that will impact their performance, is preparing for sustainability. Our ability to be resilient as we are bombarded by change will determine our capacity to sustain our programs and ability to adapt and be pliable after an event is the true assessment of our planning and preparedness collaboration efforts.

We need to take the time and create the energy to focus on the multi-tiers of collaboration within the mission and programmatic work done across our sites and merge our resiliency programs to ensure our mission goals include sustainability goals for our organizations. The ability to adapt with the adjustments to our workforce and the modifications to programmatic requirements will be validated in how well we harness these transformations and ensure our resiliency to these potential transformations.

Stambaugh, Joseph, DOE Office of Emergency Operations

Opening Session

Changes in Emergency Operations Support

This session outlines operations of the Office of Emergency Operations Support (NA-44) and how the office is changing to address the new reality of staffing and budget across the spectrum of the Emergency Communication Network, Watch Office Operations, and Current Operations.

Stuhan, David, NNSS

Session 1C

Harnessing Change: “One ERO Concept”

Presenter will discuss the Nevada National Security Site (NNSS) Emergency Response Organization (ERO) Consolidation Project. The focus of this project is to consolidate two emergency response facilities and Cadre members (Emergency Management Center and Emergency Operations Center) into an “One ERO Cadre” concept, while maintaining two dedicated facilities (primary/alternate) that are interchangeable and flexible. In addition, this consolidation project will provide opportunities to align with the National Incident Management System (NIMS) principles; enhance collaboration with our regional partners; streamline command and control and operational continuity; and address some existing programmatic weaknesses to include a functional alternate facility during a catastrophic severe event.

Titus, Stephanie, Reed Hodgin, and Derek Skene, AlphaTRAC

Workshop 2

Crisis Decision-Making for Emergency Response

This training workshop explores the process of effective crisis decision-making. Crisis decision-making is different from other types of decision-making because of the unique difficulties it presents. The recognition-primed decision (RPD) model, an approach in which knowledge of past experiences is used to make decisions about real-time events, is introduced. Participants will learn a six-step implementation of RPD that can be applied successfully in crisis situations at their own jobs. This DOE-specific course has been adapted from courses delivered to the International Association of Fire Chiefs, the Alliance of Hazardous Materials Professionals, and the San Francisco Bay Area Urban Area Security Initiative.