



NERHC

New England Radiological Health Committee and
Connecticut Department of Energy and Environmental Protection



53rd Annual Meeting November 14 – 18, 2022 Brookhaven National Laboratory (BNL)

Monday – November 14, 2022		
0800 – 1200	Travel to BNL	
Brookhaven National Laboratories		
1300 – 1330	Brookhaven National Lab (BNL) Welcome	Kristyn Noren, Brookhaven National Lab Senior Protocol Officer
1330-1400	International Safeguards Project Office Briefing	Josh Tackentein, BNL International Safeguards Project Office
1400 – 1500	DOE RAP R1 Intro and Demonstration	Donald T. Ordinario, CHP Regional Operations Manager RAP Region 1
1500 – 1515	Break & Vendor Interaction	
1515 – 1600	Threat Briefing – Ukrainian Situation	Ken Yale, FEMA Type 1 ROSS, Director of the Center for Radiological Emergency Management, EPA
1600 – 1630	NERHC Nuclear Detonation Response Training Overview and Exercise Brief	Bill Irwin, Sc.D., CHP, Type 1 ROSS Vermont Department of Health
1630 - 1700	CBRNResponder primer for new users	Brendan Palmer, CBRN Programs Director, Chainbridge Technologies
1655 – 1700	Wrap up and door prize	Door prize from NH

Thank you to our vendors for their financial support!

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Medical Technology Management Institute

Thank you, Don Ordinario, w2a Kelly Smith, and Bryan Walsh of Brookhaven National Laboratories for all you did to make the 2022 New England Radiological Health Conference happen here at Brookhaven National Laboratory!



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Tuesday – November 15, 2022		
Day 1 Initial Response – Controlling the Chaos		
0800 – 0830	Coffee with our vendor sponsors	
0830 – 0900	Initial Brief: The NERHC Response Plan	Bill Irwin, Sc.D., CHP, Type 1 ROSS Vermont Department of Health
0900 – 1045	Planning Guidance for Response to a Nuclear Detonation: Other yields, height of burst, electromagnetic pulse, the 7/10 rule & changes in fallout with time, emergency worker dosimetry, medical casualty management, medical countermeasures, sheltering & phased evacuation, decedent management	Stephen Musolino, Ph.D., CHP Nonproliferation and National Security Department Brookhaven National Laboratory
1045 – 1115	Break & Vendor Interaction	
1115 - 1215	CBRN Responder Training: building a common operating picture in the initial response	Brendan Palmer, Director of CBRN Programs, Chainbridge Technologies Angela Leek, MS, CHP, Type 1 ROSS
1215 - 1300	Lunch	
1300 – 1315	Day 1 exercise brief: Initial Nuclear Detonation Consequence Management Report	Bill Irwin, Sc.D., CHP, Type 1 ROSS Vermont Department of Health
1315 – 1330	Report from Simulated Field Team Rad Team Sim Route Demo 1	Wendy Renno, Ph.D., Radiation Emergency Services
1330 – 1500	CBRN Responder and EOC Exercise: Data collection, event mapping, data tables & thresholds, data assessment and validation, lifesaving protective action guides (PAGs)	Data Collection Breakout - Brendan Palmer, CBRN Program Director, Chainbridge Technologies; Data Validation Breakout - Angela Leek, CHP, FEMA Type 1 ROSS, Iowa Department of Public Health; EOC Breakout - Bill Irwin, ScD, CHP, Type 1 ROSS
1500 – 1545	NERHC State Brief-outs (5 min each)	NERHC and New York State Representatives
1545 – 1630	NERHC Partner Brief Outs (5 min each)	NERHC Federal Partners: RAP/EPA/DHHS/FEMA/FRMAC
1630 – 1700	Day 1 Hotwash: Unified command, CBRN event management, incident objectives for next operational period.	Bill Irwin, Sc.D., CHP, Type 1 ROSS Vermont Department of Health
1700 - 1730	Vendor Appreciation and Door Prizes	Door prize from VT

Drive Yourself

1900 – 2100	Welcome Social	Residence Inn Long Island East End
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Wednesday – November 16, 2022		
Day 3 Getting Control		
0800 – 0830	Coffee with our vendor sponsors	
0830 – 0900	Initial Brief Day 2: Summary of NERHC and Federal Response	Jeff Semancik, MS, MBA, FEMA Type 1 ROSS Connecticut Department of Energy and Environmental Protection
0900 – 1045	Guidance for the First 72 Hours After a Nuclear Detonation (Draft): Missions and tactics for the broader range of responders over the first few days of response.	Invited: Elliot Calhoun, DHS National Urban Security Technology Laboratory
1045 – 1115	Break & Vendor Interaction	
1115 – 1215	CBRNResponder Training: filtering, updating thresholds, mapping products, data assessment; event merging	Brendan Palmer, CBRN Program Director, Chainbridge Technologies Angela Leek, MS, CHP, FEMA Type 1 ROSS, Iowa RCPD
1215 – 1300	Lunch	
1300 – 1315	Day 3 Exercise Brief: Data Products with initial ground-truth measurements, size and scope	Jeff Semancik, MS, MBA, FEMA Type 1 ROSS, CT DEEP Bill Beal, Ph.D., CHP, Senior Principal Scientist, DOE NNSS Remote Sensing Laboratory
1315 – 1330	Report from Simulated Field Team Rad Team Sim Route Demo 2	Wendy Renno, Ph.D. Radiation Emergency Services
1330 – 1500	CBRN Responder Exercise: FRMAC overlays, correlating ground truth, mapping tools and drawings/filtering data, community reception centers, phased evacuations, extending lifesaving PAGs and adjusting from them	Data collection Breakout - Brendan Palmer; Data Validation Breakout- Angela Leek; EOC Breakout - Jeff Semancik
1500 – 1545	NERHC State Briefs (5 min each): Managing emergency workers, staffing plans for sustained response, integrating regionally and with federal partners	NERHC and New York State Representatives:
1545 – 1630	NERHC Partner Briefs (5 min each): FRMAC and roles/responsibilities, staffing and augmentation	NERHC Federal Partners RAP/EPA/DHHS/FEMA/FRMAC
1630 – 1700	NERHC End of Day 2 Hotwash: Situation report, unified command and incident objectives for next operational period	Jeff Semancik, MS, MBA, FEMA Type 1 ROSS, CT DEEP Bill Beal, Ph.D., CHP, Senior Principal Scientist, DOE NNSS Remote Sensing Laboratory
1700 - 1730	Vendor Appreciation and Door Prizes	
		Door prize from ME



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Thursday – November 17, 2022		
Day 14 Transitioning from Incident Response to Risk Management		
0800 – 0830	Coffee with our vendor sponsors	
0830 – 0900	Initial Brief Day 14: NERHC response plan and operational execution, situation report	Mike Firsick, FEMA Type 2 ROSS Connecticut Department of Energy and Environmental Protection
0900 – 1045	Nuclear Detonation Late Phase Response and an Overview of the Defense Support of Civil Authorities (DSCA).	Matt McKinley Kentucky Department of Public Health, FEMA Type 1 ROSS, Captain US Army C2CRE, Nuclear Science Officer
1045 – 1115	Break & Vendor Interaction	
1115 – 1215	CBRNResponder Training Day 14 – sampling plans, sampling control and laboratory requests, loading sample analytical results, drawing embargo polygons	Brendan Palmer, CBRN Program Director, Chainbridge Technologies Angela Leek, MS, CHP, FEMA Type 1 ROSS
1215 – 1300	Lunch on your own or brought in with cash collection	
1300 – 1315	Day 14 Exercise Brief: Sampling plans, sampling, chain of custody, size and scope, waste management, decontamination, adjusting from lifesaving PAGs,	Mike Firsick, FEMA Type 2 ROSS, CT DEEP Bill Beal, Ph.D., CHP, Senior Principal Scientist, DOE NNS Remote Sensing Laboratory
1315 – 1330	Report from Simulated Field Team Rad Team Sim Route Demo 3	Wendy Renno, Ph.D., Radiation Emergency Services
1330 – 1500	Field Sampling Team Training: Show and tell with state and RAP 1 field sampling kits and overview of sampling capabilities and plans	DOE RAP Region 1 and States display their sampling kits and describe their procedures in the DOE RAP 1 Apparatus Bay
1500 - 1545	NERHC State Briefs: (5 min each) Roles and responsibilities at 14 days	NERHC State Representatives
1545 – 1630	NERHC Partner Briefs: (5 min each) Roles and responsibilities at 14 days	NERHC Federal Partners: RAP/EPA/HHS/FEMA/FRMAC
1630 – 1700	NERHC Day 14 Hotwash: Unified command, waste/debris management, FRMAC transition	Mike Firsick, FEMA Type 2 ROSS, CT DEEP Bill Beal, Ph.D., CHP, Senior Principal Scientist, DOE NNS Remote Sensing Laboratory
1700 - 1730	Vendor Appreciation and Door Prizes	Door prize from CT



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Special Session: Night Out Thursday – November 17, 2022 <i>Uber or Drive Yourself</i>		
1900 - 2100	Social and Trivia	Moriches Field Brewing Co. Center Moriches, NY

Thank you to our vendors for their financial support of the night out!

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Friday – November 18, 2022		
Plenary Topics		
0830 – 0900	Community Reception Centers Guidance After Nuclear Detonation	Lauren Finklea, MS, FEMA Type 3 ROSS, SimPLER Project Lead and User Support, Centers for Disease Control & Prevention
0900 – 0930	CBRNResponder Simulation Capabilities	Brendan Palmer, CBRN Program Director, Chainbridge Technologies
0930 – 1000	Respirator Guidance for Emergency Workers & Emergency Instrument Calibration	Adela Salame-Alfie, PhD; FEMA Type 1 ROSS Radiation Studies Section, Centers for Disease Control and Prevention
1000 – 1015	Break & Vendor Interaction	
1015 – 1045	Lessons Learned from Fukushima	Kathryn Snead Center for Science and Technology, EPA Office of Indoor Air and Radiation
1045 – 1115	USAID in Poland	Steve Musolino, Ph.D., CHP Brookhaven National Laboratory Nonproliferation and National Security Department
1115 – 1145	Preview of Lessons Learned from Cobalt Magnet 22	Wendy Renno, Ph.D., Operations and Exercises, Contractor to DOE/NNSA (NA-80), Emergency Management Services International
1150 – 1200	Closing Comments & Door Prize	Door Prize from RI
Adjourn		