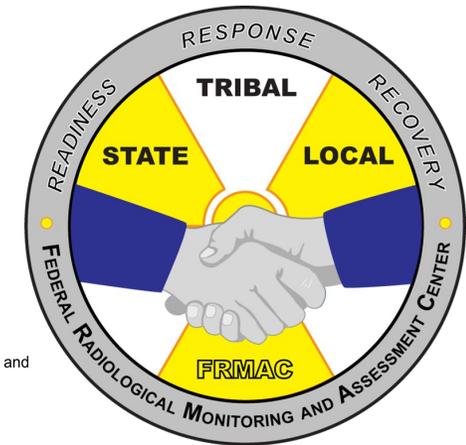


State/FRMAC Semi-Annual Webinar

July 19, 2023



This document has been reviewed by a DC/RO and confirmed to be UNCLASSIFIED.
Name: Lani Fellows
Date: 08/09/2023
NNS eDC/RO ID: 10626



AGENDA

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- Introduction
- FRMAC Working Group Updates (DOE)
- DOE Regional Update (DOE)
- Exercise Updates (DOE and US Navy)
- RadResponder Update (DHS)
- National Radiological Emergency Preparedness Conference
- Emergency Preparedness Update (CRCPCD)
- State/Federal Agency Updates (All Partners)
- Open Discussion & Questions
- Closing

This document has been reviewed by a DC/RO and confirmed to be UNCLASSIFIED.

Name: Valerie Ward

Date: 08/08/2023

NNSS eDC/RO ID: 10561

FRMAC ASSESSMENT WORKING GROUP UPDATE

Assessment Working Group Update

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New Assessment Manuals released!

Vol 1, Assessment Operations – New volume describing CM/FRMAC Assessment Operations

Vol 2, Assessment Methods – being renumbered for reissue, no technical changes

Vol 3, Assessment Pre-Assessed Scenarios – 7 different types of release scenarios, replaces 2010 version

https://www.nnss.gov/pages/programs/frmac/frmac_documentsmanuals.html

Or just google “FRMAC Manuals”!

Assessment Working Group Update

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Training

- AS-50 is available in recorded form
- AS-100 available in an online self-study (LMS) version
 - <https://snl.matrixlms.com/>
 - Instructions at <https://nirp.sandia.gov> under AS100 Training “FRMAC Training Portal MATRIX Login Instructions”
- Quarterly Continuing Training continues
 - Recordings available at nirp.sandia.gov
 - Will be added to LMS as time allows
- In-person training availability is limited.

Turbo FRMAC:

Newest version 11.3, released June 2023.

<https://nirp.sandia.gov/Software/TurboFRMAC/TurboFRMAC.aspx>

FRMAC LABORATORY ANALYSIS WORKING GROUP UPDATE

Programmatic Improvements

- Onboarding of new responders at Lawrence Livermore National Laboratory, Remote Sensing Laboratory, Sandia National Laboratory, and Y-12
- Cross-training/drill with the Radiological Assistance Program – live radiological dispersal at Idaho National Laboratory and Texas A&M University Disaster city

Lab Analysis Working Group Update

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Training Development

Self-Paced Laboratory Analysis overview training (LA-050) now available online

~2hr course providing:

- CM/FRMAC high level overview
- Laboratory Analysis operations overview
- What to expect when receiving samples from FRMAC
- Data reporting overview

Gamma Spectrometry Fundamentals (~6 hrs)

- Overview of gamma spectroscopy physics
- Laboratory instrument setup and calibration
- Sample Analysis and reporting
- In-situ field gamma spectrometry

Laboratory Data Reporting (LA-075) – September 2023

Nuclear Incident Response Self-Paced Learning Opportunities

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AS-100: Introduction to Assessment Science

24 ABHP CECs

- 22 module course covering FRMAC Assessment methods for public protection, worker protection, and ingestion pathway [PNNS-KDXC](#)

Turbo FRMAC Advanced Methods

1 ABHP CEC each

- Administration of Potassium Iodide
Derived Response Level Calculation [OMXL-NMBV](#)
- Analytical Action Level Calculation [HZAK-EWAX](#)

LA-050: Support Laboratory Briefing

- What labs should expect when called to help FRMAC
[CMOT-EKHS](#)

LA-075: Laboratory Data Reporting (Sept 2023)

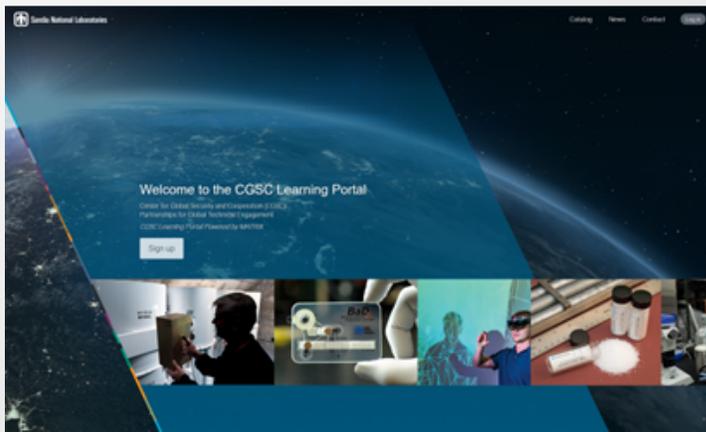
- Detailed walkdown of data reporting in CBRNResponder

Gamma Spectroscopy Fundamentals [ERXF-ZREQ](#)

- Detector Calibration Methods
- Sample Analysis
- Software Functions
- Mathematical Instrument Calibration
- True Coincidence Summing Corrections
- In-Situ Gamma Spectrometry

Sandia and partners have developed *free, online* training!

Learn more: <https://snl.matrixlms.com/>



Current Joint EPA/DOE FEMA-Nuclear Incident Response Team Projects

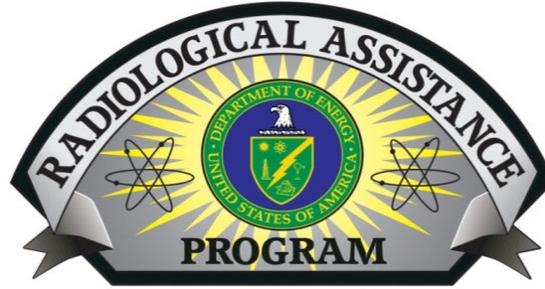
- Ground deposition sample analysis method round robin
 - Round robin exercise planned for early FY24
- New CBRNResponder mobile sample hotline check-in application (Feb 2024)
 - Streamlined sample check-in process
 - Ability to work in periodic offline or low-bandwidth environments

FRMAC MONITORING AND SAMPLING WORKING GROUP UPDATE

2023 Goals

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- Update applicable Monitoring Division Training
 - Finish MS-250 (Field Team Supervisor Training) is the only course left. (85%)
 - Update MS-260 (Consequence Management Center Training)
 - Create new course MS-201 (Digital Field Monitoring)
 - Update other training courses, as applicable (95%)
- Review Monitoring & Sampling Documentation
 - Review manuals and provide minor edits
 - Review and update operator aids
- Analyze, depending on operational changes, standardizing RadResponder settings/inputs (like equipment) among Consequence Management Response Team (CMRT) and Radiological Assistance Program assets. Document CMRT settings /inputs.



FRMAC Semi-Annual Teleconference

July 2023

Radiological Assistance Program
Regional Updates

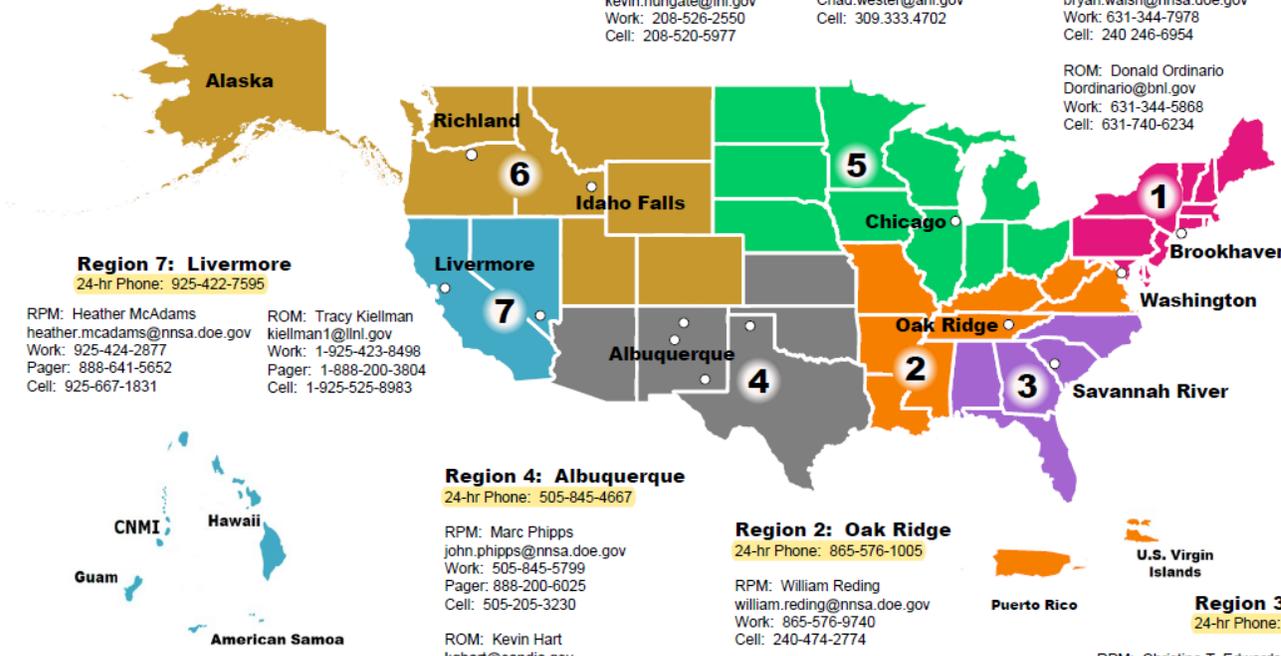
Overall Comments

- Reach out to your local RAP Regions and schedule periodic meetings
- Schedule TTXs annually to get to know your States and Regional procedures
- DOE support is always FREE, and doesn't result in a bill to the requesting office
- Call us – we exist to support State and Local agencies faced with rad/nuke responses



RAP Regions/Contacts

Radiological Assistance Program



Region 6: Richland
24-hr Phone: 509-373-3800 / 208-526-1515

RPM: Conrad Gilbert
conrad.gilbert@nnsa.doe.gov
Work: 509-376-8519
Cell: 505-400-3671
Pager: 888-367-7067

ROM: Tricia L. Poland
tricia_l.poland@rl.gov
Work: 509-372-0096
Cell: 509-430-1518

ROM: Kevin Hungate
kevin.hungate@inl.gov
Work: 208-526-2550
Cell: 208-520-5977

Region 5: Chicago
24-hr Phone: 630-252-4800

RPM: Chuck Mansfield
Charles.Mansfield@nnsa.doe.gov
Cell: 240-220-4130
Office: 630-252-2463

ROM: Chad Wester (Acting)
Chad.wester@anl.gov
Cell: 309.333.4702

Region 1: Brookhaven
24-hr Phone: 631-344-2200

RPM: Jody Lupo
jody.lupo@nnsa.doe.gov
Work: 631-344-7978
Cell: 301-366-1756

DRPM: Bryan Walsh
bryan.walsh@nnsa.doe.gov
Work: 631-344-7978
Cell: 240 246-6954

ROM: Donald Ordinario
Dordinario@bnl.gov
Work: 631-344-5868
Cell: 631-740-6234

DOE/NNSA Headquarters
24-hr Phone: 202-586-8100

Kent Gray, RAP Program Manager
kent.gray@nnsa.doe.gov
Cell: 505-974-1040

NSP/NCR: Washington DC
24-hr Phone: 202-586-8100

PM: Lonnie Swindell
robert.swindell@nnsa.doe.gov
Work: 202-586-9067
Pager: 301-206-5993
Cell: 202-255-4877

DPM: Scott Porwick
scott.porwick@nnsa.doe.gov
Work: 202-586-1382
Pager: 301-206-5755
Cell: 202-580-9194

CPM: Jessica McNutt
mcnuttip@nv.doe.gov
Work: 301-817-3415
Cell: 202-536-6341
Pager: 301-206-5768

Region 7: Livermore
24-hr Phone: 925-422-7595

RPM: Heather McAdams
heather.mcadams@nnsa.doe.gov
Work: 925-424-2877
Pager: 888-641-5652
Cell: 925-667-1831

ROM: Tracy Kiehlman
kiellman1@inl.gov
Work: 1-925-423-8498
Pager: 1-888-200-3804
Cell: 1-925-525-8983

Region 4: Albuquerque
24-hr Phone: 505-845-4667

RPM: Marc Phipps
john.phipps@nnsa.doe.gov
Work: 505-845-5799
Pager: 888-200-6025
Cell: 505-205-3230

ROM: Kevin Hart
kghart@sandia.gov
Work: 505-844-2630
Pager: 888-200-3535
Cell: 505-269-9056

Region 2: Oak Ridge
24-hr Phone: 865-576-1005

RPM: William Reding
william.reding@nnsa.doe.gov
Work: 865-576-9740
Cell: 240-474-2774

ROM: Jeff Barroso
jeff.barroso@pxy12.doe.gov
Work: 865-241-6380
Pager: 865-231-1066
Cell: 865-414-5907

Region 3: Savannah River
24-hr Phone: 803-725-3333

RPM: Christina T. Edwards
christina.edwards@nnsa.srs.gov
Work: 803-952-6613
Cell: 803-507-2703

DRPM: Jeff Galan
jeffrey.galan@nnsa.doe.gov
Work: 803-952-7639
Cell: 240-388-5438

ROM: Trent Edwards
Trenton.edwards@srs.gov
Work: 803-952-9317
Pager: 803-725-7243
PIN #20255
Cell: 803-646-4482



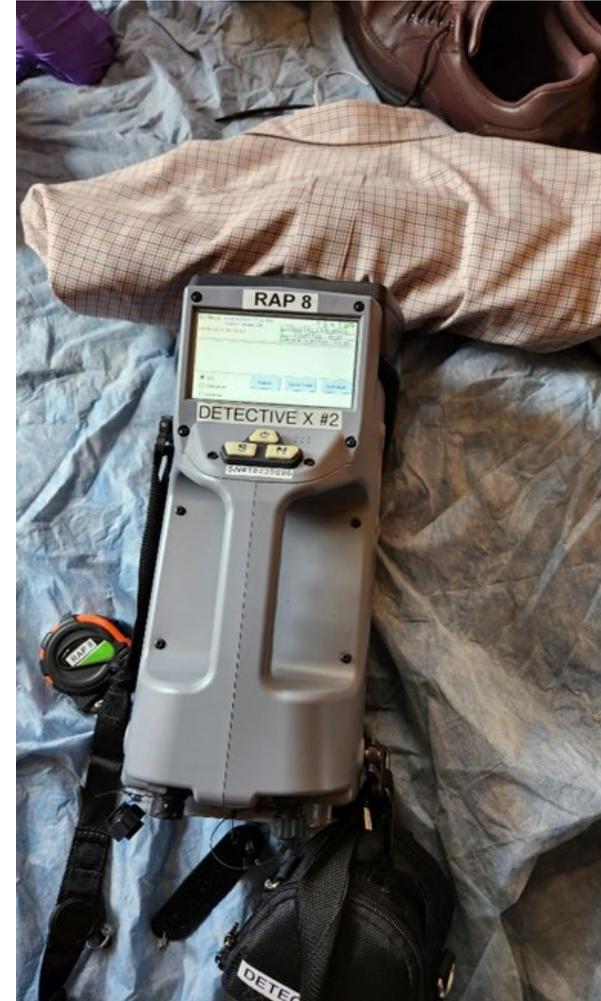
DOE/NNSA Radiological Response

- A number of DOE/NNSA federal and contractor personnel were potentially exposed to Iodine 125 (I-125) during an overseas activity.
- These personnel came from multiple DOE/NNSA sites and Headquarters.
- RAP was asked to survey the personal effects of the individuals at their locations to characterize any contamination.
- Any contaminated personal effects were disposed of at the individual's respective laboratory sites.
- RAP teams coordinated with relevant state rad health organizations.

Lessons learned:

- Highlighted the importance of...
 - Having standards in procedures, equipment and training to collect the data among multiple RAP regions
 - Ensuring appropriate equipment available for the energy range of the isotope
 - Having preapproved disposition pathways
 - Ensuring Site procedures for notifying RAP are current

Surveying Personal Effects



Request For Assistance/Outreach

(RAP Region 1)

- **Operational Deployments / Request for Assistance**
 - New York City (Upcoming deployments)
 - United Nations General Assembly
 - Macy's Thanksgiving day Parade
 - Christmas Tree Lighting
 - New Years Eve, Times Square
 - Boston, MA
 - Boston Marathon
 - Boston STC, PIG discovered in a Thrift store donation
- **Outreach**
 - Bettis, Naval Nuclear Laboratory
 - NY IPX Planning
 - Trained National Guard Civil Support Teams in CT, MD, NY
 - TSA VIPR Newark, NJ



Request For Assistance/Outreach

Region 2

- Mardi Gras 2023 and Kentucky Derby 2023
 - RAP 2 provided support for the 2023 Mardi Gras and KY Derby
 - Provide PRND support to ensure public safety
 - Successfully partnered with FBI, DHS, NOPD/FD
- Conducted several TTXs supporting VA, LA, WV and PR
- Lessons learned:
 - Excellent opportunity to engage with local, state, and federal partners
 - Great teamwork at all levels
 - Continuously improving support and cooperation/collaboration with Partners



Request For Assistance/Outreach

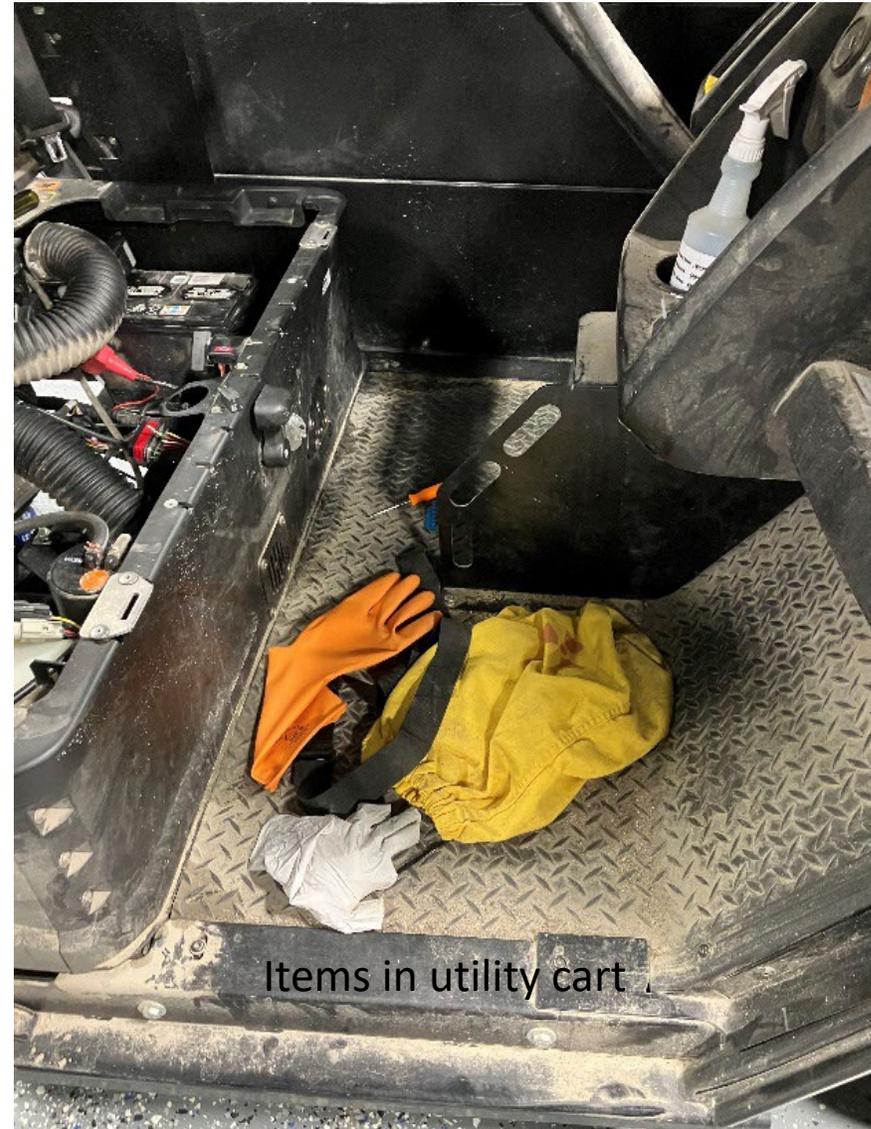
- **Region 3**
- Ingestion Pathway Exercise (IPX) Support
 - VC Summer Nuclear Station IPX
 - Supported federal outreach for the IPX.
 - Supported with Field Monitoring Teams for rehearsals and Federal Team Leader and Team Captains for IPX.
 - Coordinated with the South Carolina Department of Health and Environmental Control
- Blue Star Rental Deployment, North Augusta, SC
 - Utility cart used at the DOE's Savannah River Site was returned to a rental company with radiological protective shoe covers and gloves in the cab.
 - RAP 3 was requested to assist – surveys were performed on the utility cart, shoe covers and gloves, tools, personnel who had transported and began work on the cart, and the trailer used to transport the cart.
 - No presence of radiological contamination was detected.
 - Coordinated with South Carolina Department of Health Environmental Control.

REGION 3

Blue Star Rental Deployment



Utility cart



Items in utility cart



Preparing scalars for counting smears

Request For Assistance/Outreach

- **Region 4**
- Major exercise support to Dallas FBI Field office
- DHS Secure the Cities support
- FBI Level 3 Regional Render Safe support
- Training support to CST/Dallas Fire department
- New RAP building and equipment depot

- Lessons learned:
 - MC23 was first major use of all volunteer team to plan and execute the exercise and was a success
 - Team needs recurring hazardous devices training
 - Integration with regional CSTs, STC, and MDDP improving



Region 4



Request For Assistance/Outreach

- **Region 5**
- RAP 5 assisted the National Association of State Boating Law Administrators (NASBLA) with training the Chicago Fire Department maritime unit on small vessel RND operations.
- CFD trained with PRDs, low resolution RIIDS, and backpack units to search for radioactive material while patrolling the Lake Michigan lake front and Chicago River in their dedicated fire boats.
- Region 5 welcomes Chad Wester (chad.wester@anl.gov) as the new Regional Training and Outreach Coordinator.



Request For Assistance/Outreach

- **Region 6**
 - **RAP 6 requested to assist the Bureau of Indian Affairs (BIA), Spokane Tribe.**
 - **17 May 2023, Wellpinit, WA**
 - **During a safety site assessment by the BIA's safety manager found elevated levels of radiation in several locations**
 - **Surveys were done using a uncalibrated BGS-1 Scintillometer**
 - **The site is located 6 miles south of a super fund site (Midnight Uranium Mine).**
 - **Outcome: RAP 6 found a Moisture Density Gauge in one of the suspected locations.**



Region 6



Stairs to mezzanine
in suspected BLDG



Second floor mezzanine,
Density Gauge



Request For Assistance/Outreach

- **Region 7**
- Provided radiation training to:
 - Hawaii PD, FBI, CST, CERFP
 - Guam CST
 - Alameda County Haz Mat Teams
 - FBI Level 3 Stabilization Teams
- Participated in a rad response TTX with FBI and NV/Reno state and local agencies
- Lessons learned:
 - Face-time and the collaborative effort of key response agencies is vital to the efficient integration and successful execution of emergency response operations.



EXERCISE UPDATES

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EXERCISE UPDATES

Cobalt Magnet 2025 Exercise Updates

State / FRMAC Semi Annual Conference Call
July 19, 2023



Cobalt Magnet 2025 (CM25) Exercise Summary

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The DOE led CM25 exercise will be conducted from March 14-21, 2025



The EPA led Long-Term Recovery Workshop will take place in Michigan from April 14– 18, 2025



The event will be a Nuclear Power Plant (NPP) release scenario based on a simulated disaster at the Fermi II NPP





Overarching Objectives

Provide an integrated technical and scientific response to an incident involving radiological or nuclear materials which requires modeling, monitoring and sampling, assessment, analysis, and data management to inform tactical, operational and strategic decision making.

Using the National Incident Management System (NIMS) and National Response Framework (NRF), manage a coordinated federal, state, local, international, and/or private sector response and prepare for the recovery to a complex incident involving radiological or nuclear materials.

Among all response partners, within both the United States and Canada, effectively coordinate to manage and share information among tactical, operational and strategic partners while conducting response and recovery actions.

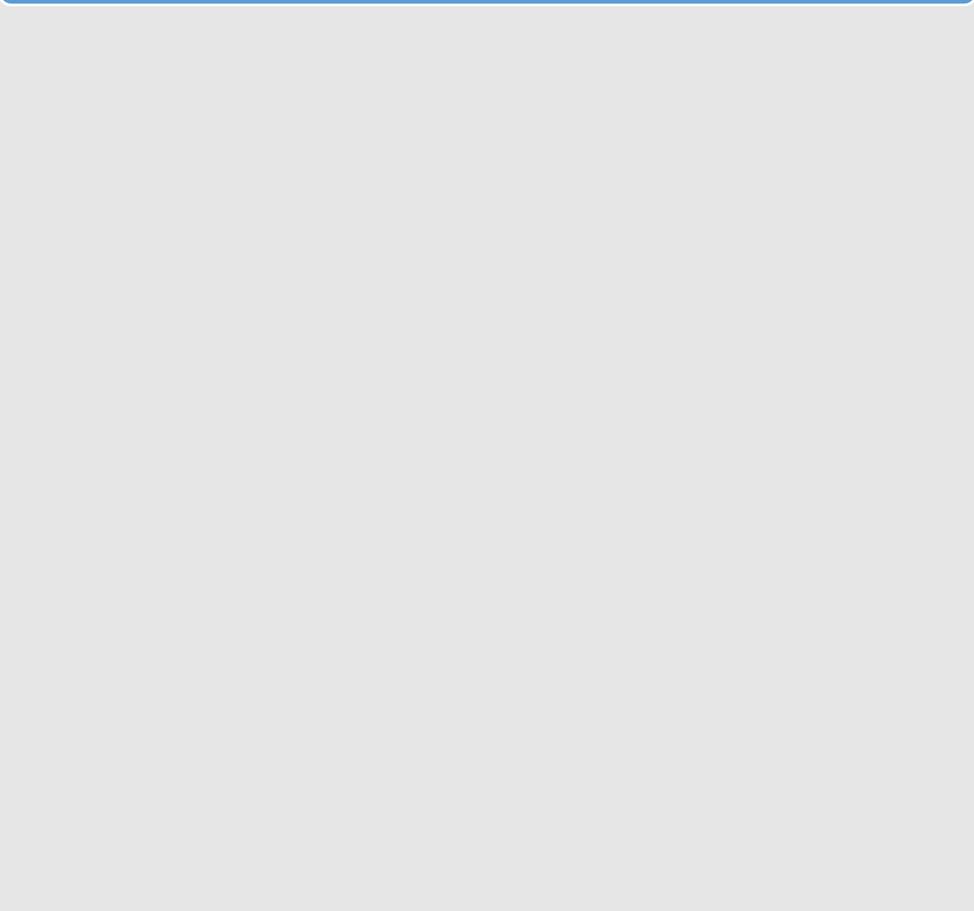
Implement coordination mechanisms to share information regarding the possible harmful effects of the radiological or nuclear material to ensure consistency in the selection, communication and application of responder and public health and safety guidelines for the identified hazards.

Provide timely, technically accurate, and unified public messaging during the response while implementing applicable public affairs/public information plans, policies and procedures.

CM25: Current Status

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Current status updates



CM25 Upcoming Meetings

Event	Type	Purpose/Goal(s)	Expected Outcome(s)	Dates	Attendees	Location
Incident Management Workshop	Workshop	Identify the operational coordination and incident management structure – consistent with NIMS and the NRF and not constrained by exercise artificialities and limitation – required for an event such as the CM25 scenario.	A draft operational coordination structure that identifies Incident Command Post(s), local and state EOCs, Department Operations Centers, and Federal coordination and operations centers that would be established for a CM25 scenario. This structure will be used to guide exercise planning. NOTE: This workshop will address U.S. operational coordination. US-Canada operational coordination will be explored at a later time.	August 9-10 (W-Th)	Identified leadership planning team members	Lansing, Michigan NO VIRTUAL OPTION!
Initial Planning Meeting -2 Days IPM -1 Day UC/ICS/IMT focus	Planning MTG	<ol style="list-style-type: none"> Review of overarching objectives and objectives matrix Establish evaluation requirements, including Exercise Evaluation Guide (EEG) capability targets and critical tasks Identify relevant plans, policies, and procedures to be evaluated Review and continue to refine the exercise scenario Review the Extent of Play (XPA) document Identify additional logistics requirements Review of exercise training schedule and associated details 	<ol style="list-style-type: none"> Initial working draft of EEG documentation Further development of scenario details Final or near-final XPA Develop exercise draft documentation (Situation Manual [SITMAN], Exercise Plan [EXPLAN], etc.) Identification and availability of all source documents (plans, policies, procedures) needed for exercise documentation Finalized training schedule List of tasks to be accomplished by next planning meeting, to include date and responsible planning team member 	06-08 SEPT (W-F) *Note the IPM dates have been adjusted*	All planning team members and identified support	Lansing, Michigan NO VIRTUAL OPTION!

Joint Training Exercise Series – US Navy

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- Update of Joint Training Exercise series with State and Local authorities



RadResponder Updates

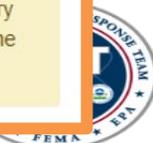
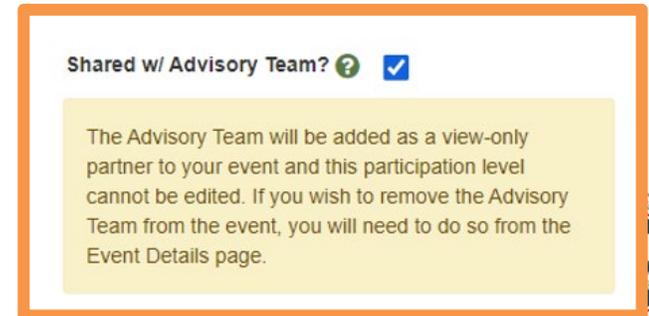
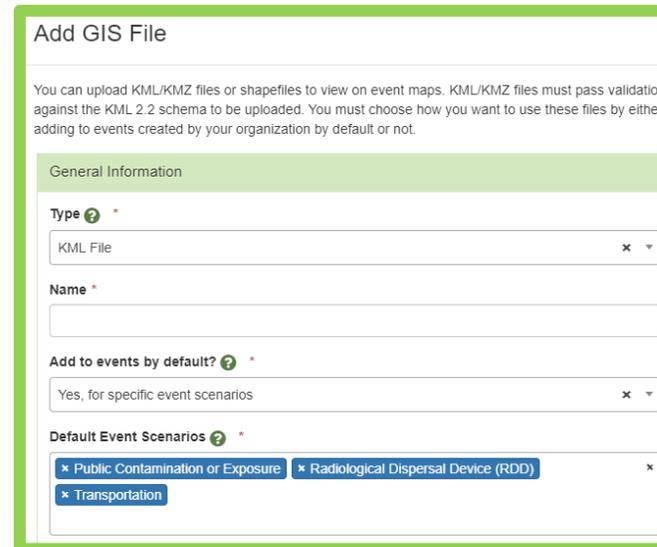
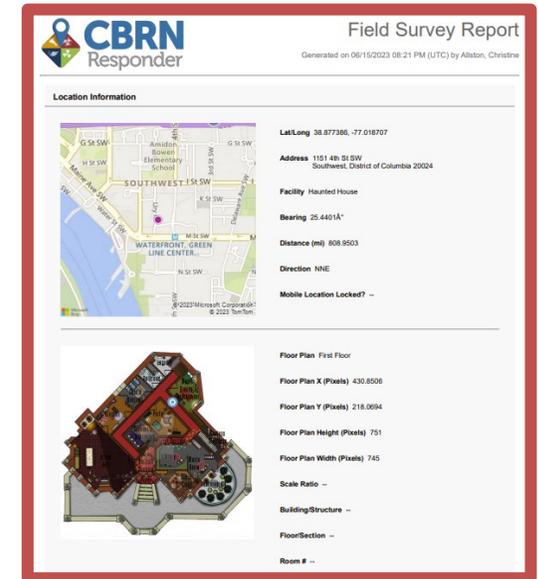
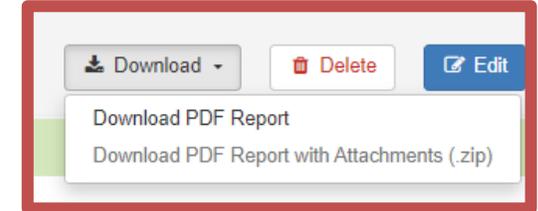
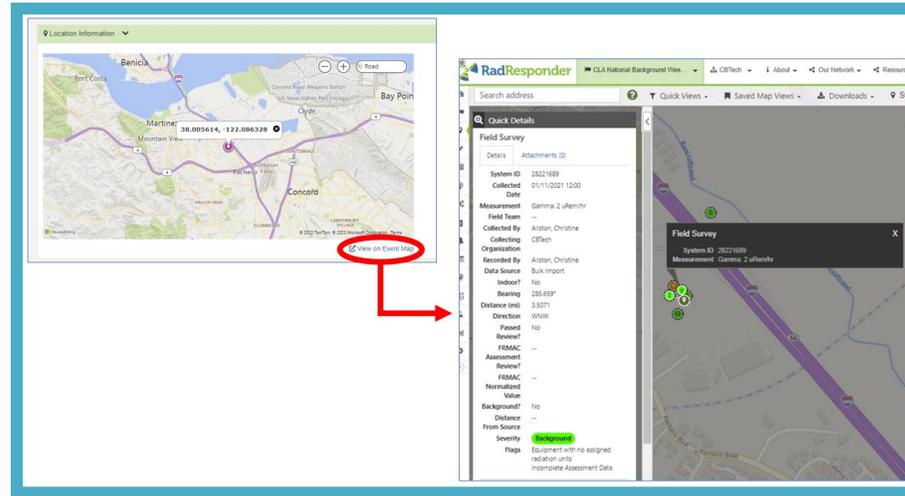
July 19, 2023



Recent Activities

Major Technical Enhancements:

- Data point details to map link for easier viewing between pages
- Option to **share an event with The Advisory Team**
- **Download PDFs** for individual data point details
- **Organization-wide GIS files** to be added to events by default
- Population monitoring and community reception center updates to include **animal and vehicle tracking**



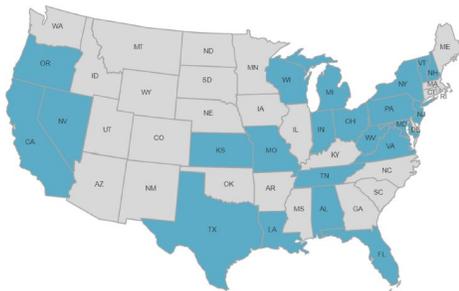
Recent Activities

Special Feature Webinar Topics:

- Uploading and Updating Equipment
- Data Collection Assignments
- So, You're New to CBRNResponder – Now What?
- Building a Common CBRNResponder Operating Picture
- Equipment APIs
- Community Reception Center and Population Monitoring Enhancements

RadResponder National Background Week:

- Took place in March 2023
- 48 participating organizations, 39 events created, and 209 data collectors
- 83,455 field surveys collected and 73 spectra readings collected
- Data entered in 23 states!



Outreach and Training:

- In-Person Trainings:
 - South Carolina (February 2023)
 - Boston/New England (March 2023)
- Remote Trainings:
 - DOE RAP 4 + Partners
 - Washington State
 - Delaware
 - EPA Advisory Team
 - Centers for Disease Control and Prevention

Presentations and Conferences:

- NRC Region IV TOP Workshop – February 2023 (virtual)
- National Radiological Emergency Preparedness Conference – March 2023 (Indianapolis, IN)
- CRCPD – May 2023 (Houston, TX)



Next 6 Months:

Upcoming Outreach and Trainings:

- Health Physics Society – July 2023
- Washington and Idaho state/local trainings – July 2023
- Milwaukee-Area Training – September 2023
- Iowa Remote Trainings – September 2023
- Additional special feature webinars and remote trainings

Technical Enhancements:

- Mobile indoor monitoring phase III requirements (creating facilities from mobile and viewing floor plan data on mobile)
- Mobile survey data type updates
- Fixed data feeds event dashboard tile
- User feature requests

RadResponder Nationwide Drill:

- Taking place in August
- Population Monitoring 2.0: Making Community Reception Centers SimPLER
- The goal of this drill is to highlight the enhancements made to the population monitoring module in RadResponder by using the CRC SimPLER tool to generate data to then associate with RadResponder events and community reception centers (CRC).



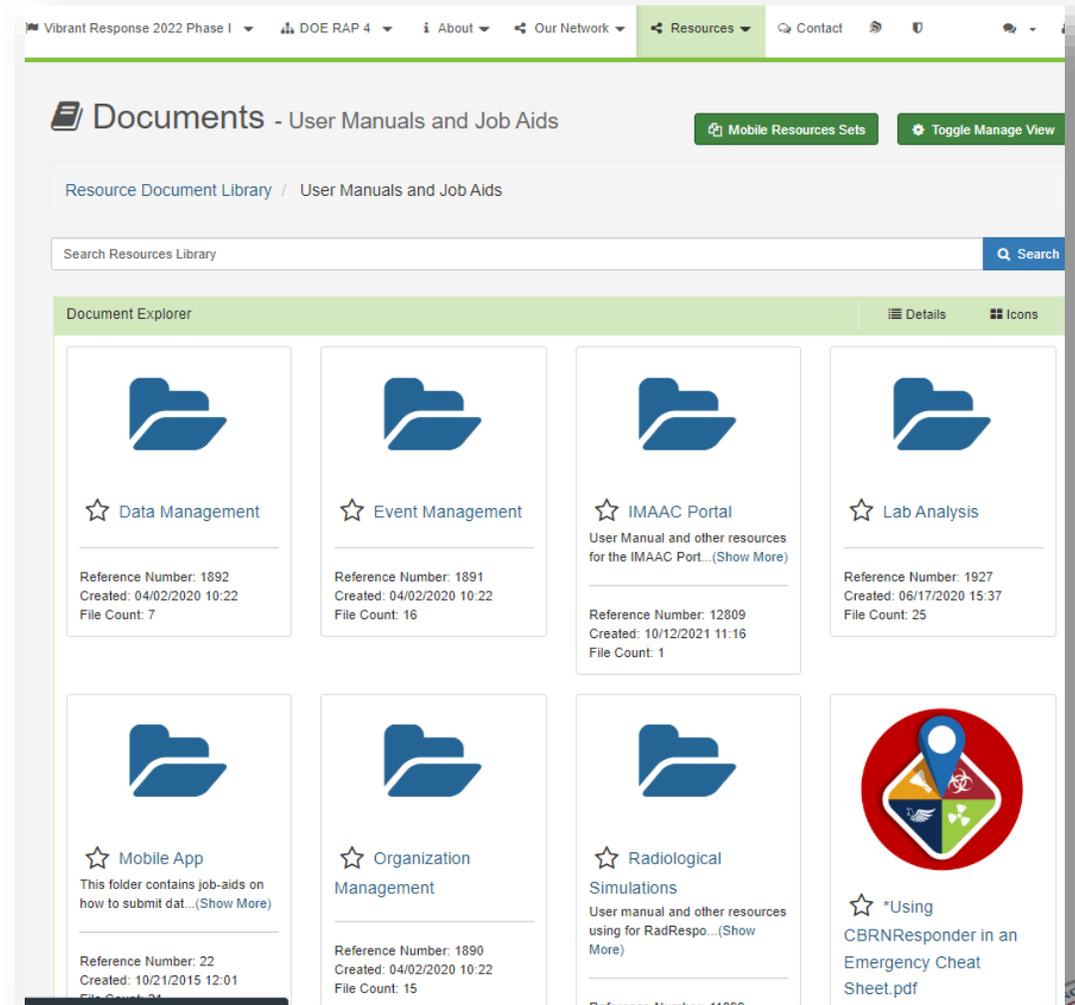
The poster features the RadResponder logo at the top left. The main title is "RADRESPONDER NATIONWIDE DRILL" followed by "Population Monitoring 2.0: Making Community Reception Centers SimPLER". Below this, the "DRILL SCHEDULE AND EVENTS:" section lists: "PRE-DRILL WEBINAR: AUGUST 11TH", "DRILL EXECUTION: AUGUST 21ST - 25TH", and "CLOSING WEBINAR: AUGUST 25TH". At the bottom, it says "SPONSORED BY:" followed by logos for FEMA, CRCPD, and CDC. On the right side of the poster, there is a photograph of a person in a white shirt and blue gloves using a handheld radiation detector. In the bottom right corner, there is a circular logo for the "INCIDENT RESPONSE TEAM NIRT" with "FEMA" and "EPA" logos inside.

Contacts & Resources

SUPPORT EMAIL

support@cbrnresponder.net

SOCIAL MEDIA



NATIONAL RADIOLOGICAL EMERGENCY PREPAREDNESS CONFERENCE

UPDATE





National Radiological Emergency Preparedness Conference, Inc.

PO Box 166, Landing, NJ 07850 ♦ Ph: 973-960-6170 ♦ FAX: 609-984-7513

www.nationalrep.org

34th Annual Conference Dallas, Texas

April 29 – May 2, 2024

Hotel:

Hilton Anatole Dallas

2201 N Stemmons Fwy
Dallas, TX 75207 (USA)

Airport:

Dallas Fort Worth International Airport (DFW)

2400 Aviation Dr
DFW Airport, TX 75261 (USA)



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CRCPD Update

Ruth E. McBurney, CHP
Executive Director, CRCPD

Conference of Radiation
Control Program Directors, Inc. (CRCPD)

Ken Evans
Chair, Committee on Emergency Response
Planning



Activities Since Last FRMAC Call

Meetings at NREP—K. Evans

HS/ER Presentations at CRCPD National Conference—
R. McBurney

Developing Simple Guidance for Implementing NCRP
Statement 14

K. Evans

Assisting FEMA on revision of REP-21 and REP-22 guidance

Instrument testing at NIST

Input on draft changes to guidance

Planned Activities in Coming Months

RadResponder Nationwide Population Monitoring Drill

Webinar: August 11, 2023 at 1:00 pm EDT

Drill: August 21-25, 2023

Guidance on Respiratory Protection for
Ancillary Emergency Workers

Days After Workshop Part 2, October 2023

FRMAC PARTNER UPDATES

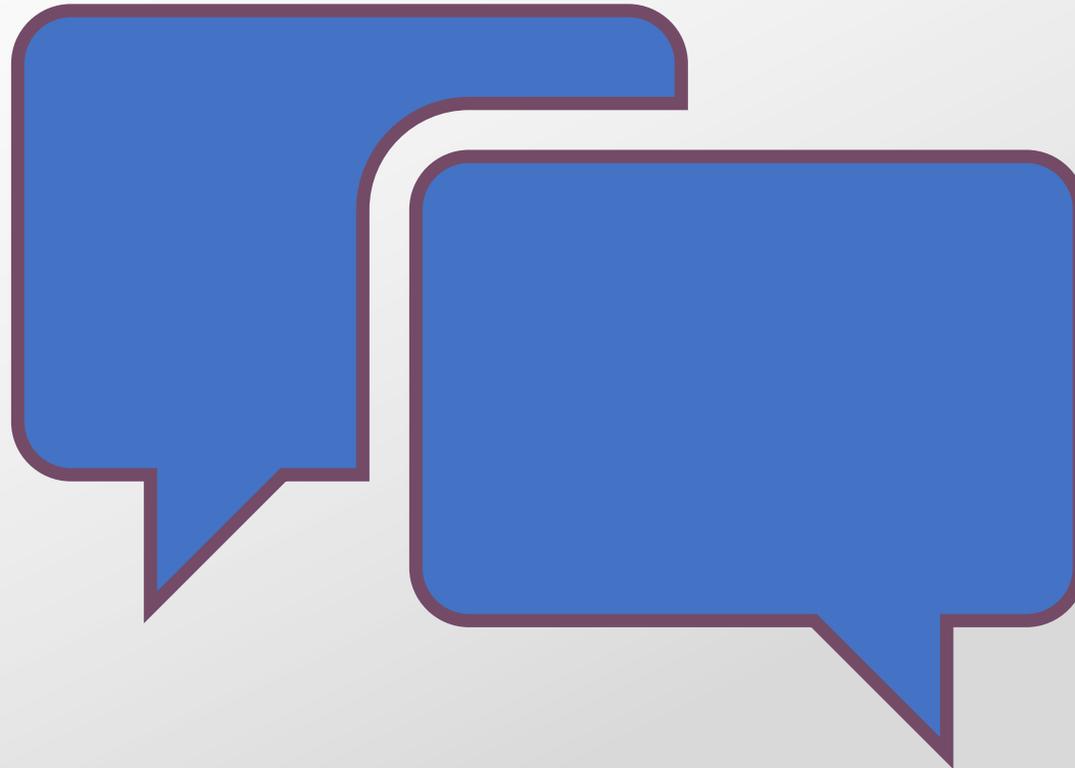
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STATE AND FEDERAL AGENCY UPDATES



OPEN DISCUSSION AND QUESTIONS

INNOVATE. COLLABORATE. DELIVER.

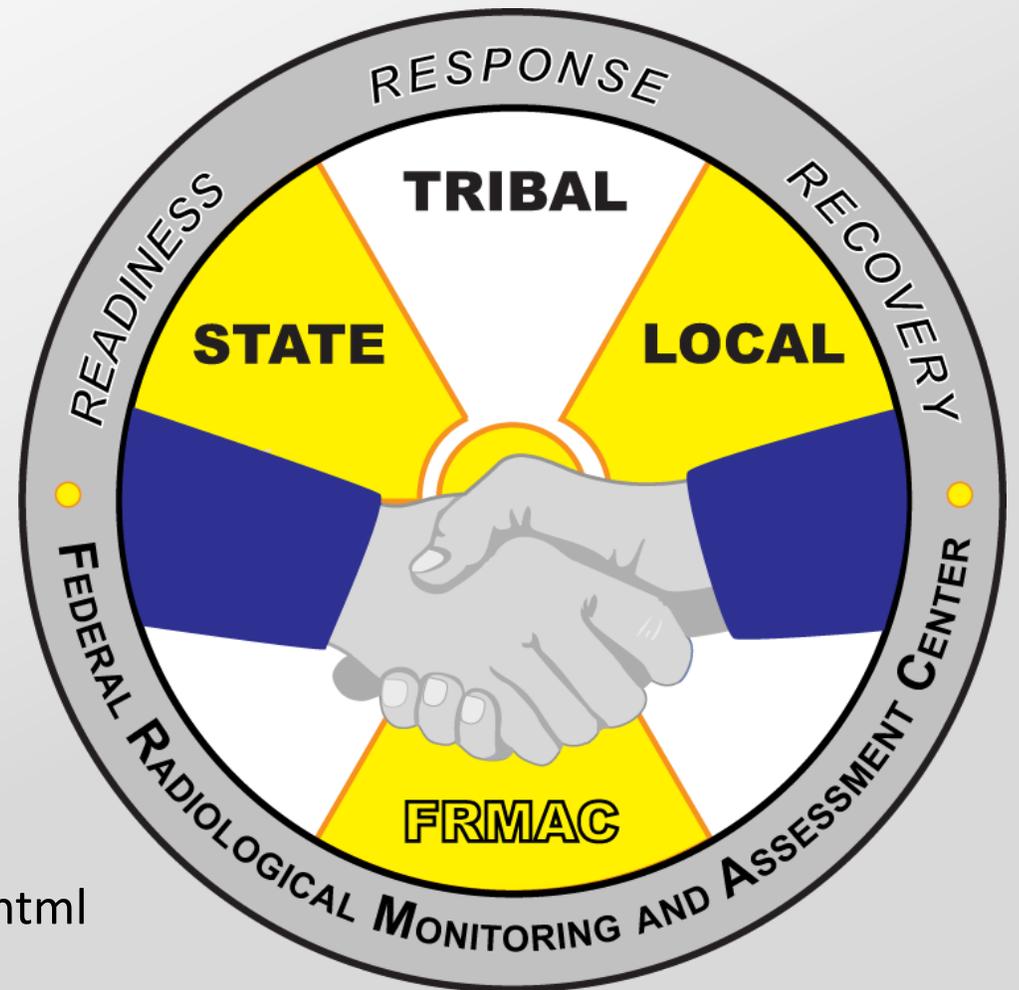


Next Webinar

Wednesday, January 24, 2024

Visit the site below for additional content

<https://www.nnss.gov/pages/programs/FRMAC/FRMAC.html>



“Scientifically Informed, Operationally Focused.”

CTCP Website:

<https://nnsa.energy.gov/aboutus/ourprograms/ctcp>

CTCP Office Phone: 202-586-1734

IN CASE OF EMERGENCY: 202-586-8100