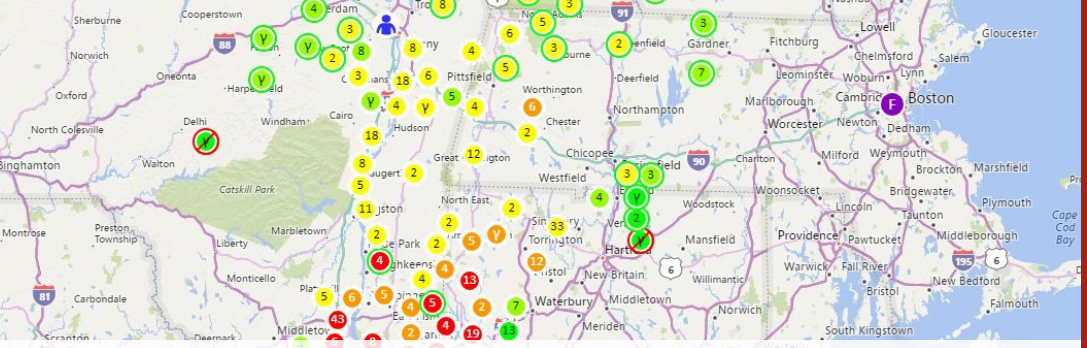


RadResponder Network

Who We Serve

During a radiological or nuclear emergency, the RadResponder Network, a collaborative tool developed by FEMA, DOE/NNSA, and EPA, enables federal, state, local, tribal, and territorial response organizations to rapidly and securely record, share, and aggregate large quantities of data while managing their equipment, personnel, interagency partnerships, and multijurisdictional event space on a free, cloud-based radiation data collection system.

RadResponder is accessed on smartphones and tablets (iOS, Android, Windows) and the Web (www.radresponder.net), making it seamlessly and rapidly employable at all levels of government during a radiological or nuclear emergency response.

Services at a Glance

What RadResponder Offers

24/7 Emergency Support Hotline. An on-call team will respond to users who request assistance with real-world operations and interagency exercises/drills that occur outside normal business hours.

Real-time, ground truth data and monitoring. The RadResponder mapping utility provides users with the geospatial display of real-time data, responder locations, modeling, user geographic information system (GIS) files, fixed sensors, facilities, and sampling locations. Organizations and equipment manufacturers integrate live data feeds into the system to provide real-time monitoring and situational awareness.

Interoperability. GIS file exports ensure RadResponder is interoperable with other geospatial situational awareness tools.

Rapid display of plume models. RadResponder incorporates atmospheric dispersion modeling into events, enabling the rapid display of plume models to support operational planning and decision-making.

Shared data. Events are managed in RadResponder, allowing multiple jurisdictions to collect and share radiological data and event information.

Capabilities

RDD guidance layer. View hot zones, shelter-in-place zones, and 10-Point Monitoring Plans at the click of a button.

Plume modeling and GIS files. Use National Atmospheric Release Advisory Center's (NARAC's) plume models or upload your own Keyhole Markup Language (KML) or Shape files to an event.

Fixed sensor integration. Gain real-time situational awareness with data streams from fixed monitoring sensors located nationwide.

Responder tracking. Track responders in the field who are using the mobile app.

Integrated API and Bluetooth equipment. Equipment manufacturers integrate with the Network's Application Programming Interface (API) to send data directly to RadResponder.

RadResponder Partners

Department of Homeland Security/ Federal Emergency Management Agency

FEMA's Center for Domestic Preparedness utilizes RadResponder when training personnel to respond to a radiological or nuclear incident.

Conference of Radiation Control Program Directors

RadResponder will continually engage with CRCPD's E-43 Committee for Interagency Environmental Data Sharing and Communication to support its charter to address communication and data sharing issues for radiological emergency response.

Counterterrorism Operations Support

CTOS Center for Radiological/ Nuclear Training uses RadResponder to train first responders in radiological/nuclear emergency response.

National Association of County and City Health Officials

NACCHO partners with RadResponder on an initiative to better inform and support the public health sector's role in radiological/ nuclear emergency response.

National Urban Security Technology Laboratory

NUSTL is a federal laboratory organized within the U.S. DHS Science and Technology Directorate's First Responders Group. The laboratory provides first responders with the necessary services, products, and tools, such as RadResponder, to prevent, protect against, mitigate, respond to, and recover from homeland security threats and events.

FEMA

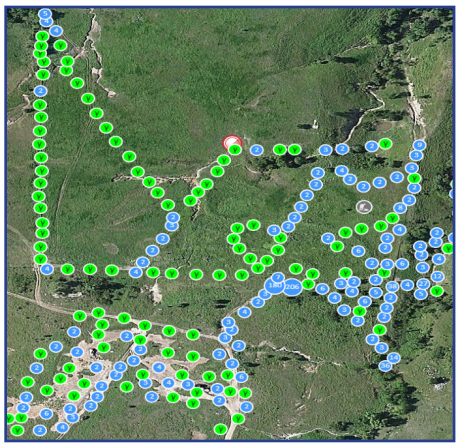
Contact the RadResponder Team at
support@radresponder.net

welcome to the RadResponder Network

How to Request a RadResponder Account

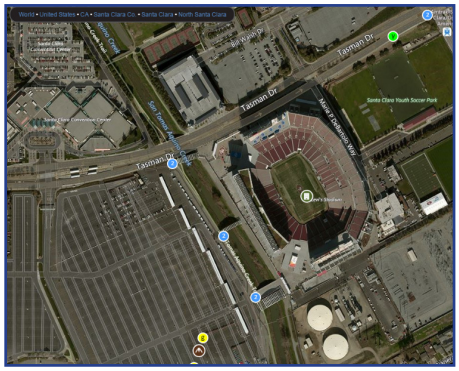
Visit www.radresponder.net, go to the Sign In page, and select "Request one here." Enter your information and then choose to join an existing organization in RadResponder or request a new organization. Account approvals are a two-step process; the first-level of approval comes from the organization administrator and the second-level of approval comes from the RadResponder team.

RadResponder in Action



Kansas RCP Uses Bluetooth-Enabled Equipment to Monitor Contaminated Site

In late 2016, RadResponder helped the Kansas Department of Health and Environment's Radiation Control Program (KDHE RCP) with faster and more effective monitoring of a site with buried radioactive materials. The KDHE team scanned the area with Polimaster® Personal Radiation Detectors (PRDs) and the RadResponder application on tablets. The PRDs sent survey measurements directly into the RadResponder Network through the RadResponder Standard API. As the team gathered data with the Polimasters, RCP headquarters monitored the live data being uploaded to the RadResponder website and displayed on the event map. KDHE used the Responder Tracking Path feature to monitor the progress of personnel at the site. KDHE staff who participated in the event said the process was easier and was more effective than previous visits because of RadResponder.



Super Bowl 50

RadResponder was used to support radiological/nuclear preparedness operations in early February 2016 leading up to Super Bowl 50. Response teams from the U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) and the U.S. Environmental Protection Agency (EPA) used RadResponder to record measurements around the San Francisco Bay Area, collecting hundreds of field surveys, samples, spectra and uploading thousands of sample results. The operation underscores the flexibility of the Network to support preparedness missions, response operations, or a host of routine monitoring events.

PeaceHealth Monthly Radiation Monitoring Initiative

In February 2016, the PeaceHealth Sacred Heart Medical Center at RiverBend's Radiological Response Team (RRT) in Springfield, Oregon, began conducting monthly radiation monitoring around the hospital and in the nearby community to develop a comprehensive background. The monitoring initiative is part of a public outreach effort to keep the community better informed and protected while also familiarizing hospital employees with radiation detection equipment and radiological emergency response procedures. The RRT uses RadResponder to take field surveys at all public entrances to the hospital, as well as on the roof's helipad. The team also collects water samples from the McKenzie River and plans to share those results with a local public utility.

The RadResponder Network is the product of collaboration among FEMA, DOE/NNSA, and EPA, and was developed as a solution to lessons learned about data management and data sharing following the Fukushima disaster in 2011.

FEMA CBRN: Preparing our nation to respond to chemical, biological, radiological, and nuclear catastrophes.

FEMA

For more information about the FEMA CBRN Office contact fema-cbrnoffice@fema.dhs.gov