



Citywide Response to a Radiological Dispersal Device

Mark L. Maiello, Ph.D.

mmaiello@health.nyc.gov

Office of Emergency Planning & Response

New York City Department of Health & Mental Hygiene

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Radiological Response & Recovery Plan (R₃P)



- This plan is maintained by New York City Emergency Management
- First approved November 1, 2011
- An interagency plan executed by: NYPD, FDNY, DOHMH, DEP and NYCEM



Radiological Response & Recovery Plan (R₃P)



- **Radiological Response & Recovery Committee (R₃C):** NYPD, FDNY, DOHMH, DEP, NYCEM + MTA and others meet roughly quarterly to plan, modify, prioritize aspects of the plan and its implementation.



R3P is comprised of 10 Strategies



- Strategies are aligned with the missions of the participating agencies

Operational Strategies & Agency Missions



Strategies

Primary Agency*

DOHMH NYCEM NYPD FDNY DEP MTA

1. Activation & Implementation **NYPD** Unified Command w/ FDNY
2. Life Safety **FDNY**
3. Site Management **NYPD**
4. Intelligence/Investigations **NYPD**
5. Public Information **NYCEM**
6. Triage, Treatment & Transport **FDNY**
7. Decontamination & Public Screening **DOHMH**
8. Environmental Assessment **DEP NYPD FDNY DOHMH**
9. Public Health Protection **DOHMH**
10. Recovery & Restoration **Everybody**

** Usually a multi-agency effort*

Strategies 7, 8 and 9:

7 – Decontamination & Public Screening

8 - Environmental Assessment

9 - Public Health Assessment



- Strategy 7: Decontamination & Public Screening

Strategy 7: Decontamination & Public Screening



This strategy is about opening Community Reception Centers (CRCs)

CRCs are locations where public health personnel and response partners conduct population monitoring following a radiation emergency. CRCs are opened 24 to 48 hours after a radiological or nuclear incident [NYC = 6 hours]. They are located outside of the affected area to service the people living in that community, and the displaced population arriving there. (CDC, 2019)

Services include:

- 1) screening people for radioactive contamination
- 2) assisting people with washing or decontamination
- 3) registering people for long-term follow-up
- 4) prioritizing people for further care

Strategy 7: Decontamination & Public Screening



One of the biggest benefits of Community Reception Centers (CRCs):

*They provide an alternate place for the public to go for radiation screening instead of **hospital emergency rooms**.*

Strategy 7: Decontamination & Public Screening Community Reception Centers



Provides the facilities

+



Assisted w/ finding
the facilities

+



Operates
Screening & Decon

+



Operates
Registration &
Health (risk)
Mangement

A typical high school or college court is about 4700 square feet
Not including surrounding space (corridors, entranceways, lobbies, and locker room facilities).

*CRCs:
Use School
Auditoriums*



Strategy 7: Decontamination & Public Screening Community Reception Centers

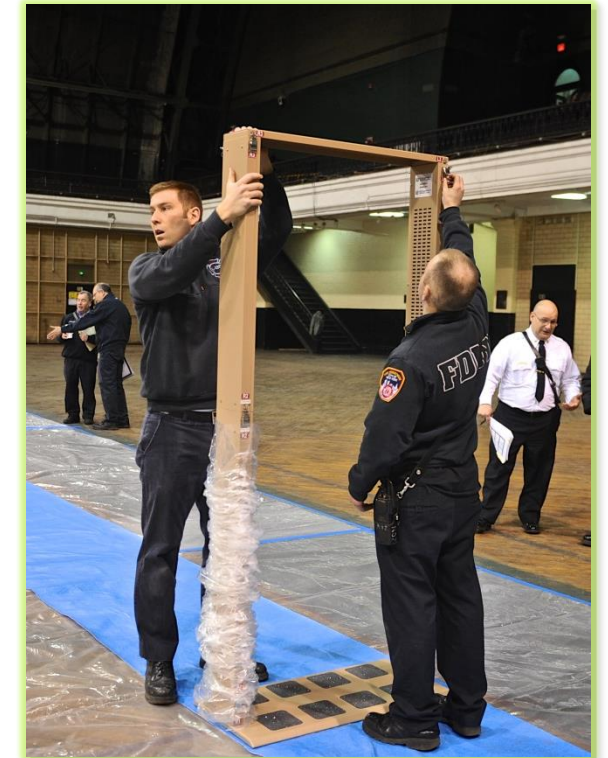


CRC: Build It



Photos: FDNY

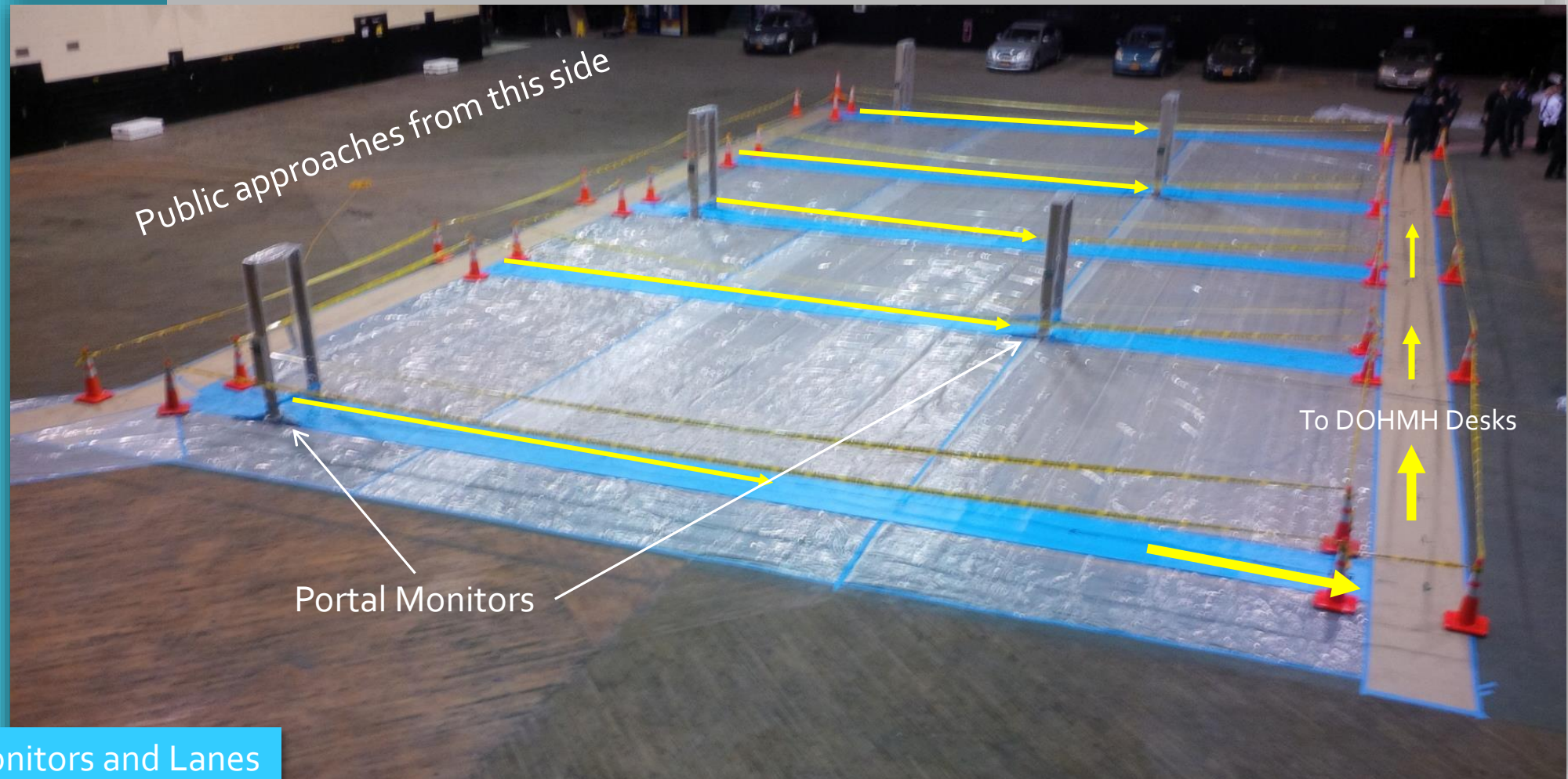
CRC: Portal Monitor Set-up



Photos: FDNY

2/28/15, FDNY Set Up of CRC Public Screening Area

CRC: Public Entrance



- CRC Portal Monitors and Lanes
- Set up time: 1.5 h

DOHMH Photo

DOHMH Stations



RISK MANAGEMENT

Assess clients who were contaminated or located within the contaminated area for their risk of health effects; provide medical referral information.



REGISTRATION & INFORMATION

Collect information from the clients, using CRC Client Form; deliver rad-information.



RESILIENCE – EMOTIONAL SUPPORT (REST)

Receive information about coping with traumatic events; how to talk to their children about the incident and how best to support their families; tips to seek professional help; referrals to additional services.

Strategies 7, 8 and 9:

7 – Decontamination & Public Screening

8 - Environmental Assessment

9 - Public Health Assessment



• Strategy 8: Environmental Assessment

- Before you can do any assessment, you have to understand some aspects of RDD detonations
- This guidance created greatly assists with that
- It is informed by actual experimental detonations at Sandia National Lab
- Publications from those experiments can be found in the Health Physics journal



Radiological Dispersal Device (RDD) Response Guidance

Planning for the First 100 Minutes

August 2017



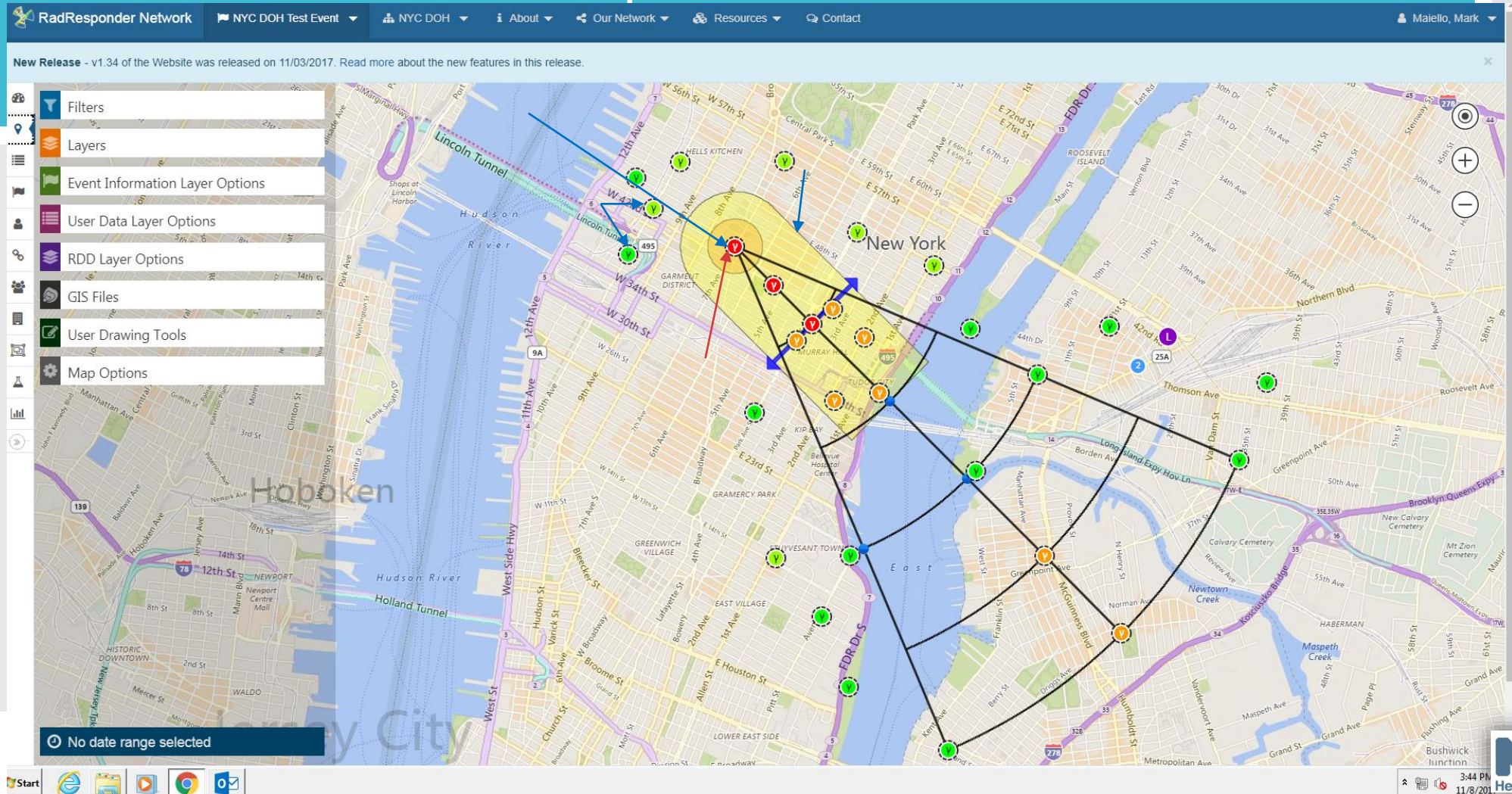
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Strategy 8 - Environmental Assessment



- Rad-Responder
 - <https://www.radresponder.net/>
- Nationwide data platform developed by FEMA

Strategy 8 - Environmental Assessment Rad-Responder



Strategies 7, 8 and 9:

7 – Decontamination & Public Screening

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- Strategy 9: Public Health Assessment

Strategy 9 – Public Health Assessment



- DOHMH Radiological Analysis of the Rad Responder Data
- DOHMH would be concerned with estimating dose to the public, advising on shelter in place and evacuation (in/from affected areas) and contamination concerns
- Radiological Advisory Committee consultation on environmental and medical issues

Strategy 9 – Public Health Assessment Radiological Advisory Committee

