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CHEMPACK





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Planning and Preparedness

NEW YORK STATE Of Health

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KEYS TO SUCCESSFUL CHEMPACK PLANNING

- Stakeholder Collaboration: Emergency Management, Fire Department, Law Enforcement, Emergency Medical Services, 911 Centers, Public Health, Hospitals, etc.
- 2. Plans: Developing, maintaining, and updating plans with clearly defined roles and responsibilities.
- 3. Exercises: Regular exercises give all participants an opportunity to test the plan and ensure its effectiveness in a real-world event.



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WHAT SHOULD BE IN THE PLANS?

- What is a CHEMPACK
- When to request CHEMPACK
- How to request CHEMPACK
- Deployment and receipt of CHEMPACK
- · Administration of CHEMPACK medications
- Demobilization



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TRAINING, TRAINING!

Conduct Agency Training

- Can request mock assets through OHEP-Plan Ahead
- · Review the protocols
- Conduct a tabletop or functional exercise with partners

Annually Review Plans with Partners / Stakeholders

- New participants
- · Staff turnover



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HISTORY –
PROTOCOLS AND
POLICY STATEMENTS

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BEMS POLICY STATEMENT 03-05 (FEB. 2003)

· Outlined the purchase and use of "Mark I Kits."



- Limited use to EMS Services that were part of a Metropolitan Medical Response System (MMRS) including New York City, Yonkers, Buffalo, Rochester and Syracuse.
- Provided guidelines for training and explains mechanism of action for antidotes [Atropine & Pralidoxime Chloride (2-PAM)].
- Focused on chemical terrorism and not organophosphate exposure from other sources (such as an agricultural or industrial accident).



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BEMS POLICY STATEMENT 03-05 (FEB. 2003)

- Included a "Chemical Terrorism Preparedness and Response" Card which could be carried on board an ambulance or other EMS Response
 - Outlined signs, symptoms and treatment of various chemical agents;
 - Appropriate, minimum personal protective equipment to prevent inhalation, dermal, and intra-ocular exposure;
 - Proper decontamination guidelines.
- Provided a model protocol for regions to follow.
 - Note: At that time, the 18 Regional EMS Councils each had their own set of treatment protocols.

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NEW YORK STATE COLLABORATIVE PROTOCOLS

- Introduced in 2017.
- Established protocols for all provider levels (from Certified First Responder through Paramedic).
- Initial participation was limited to certain regions.
- · Was accompanied by an online training module, quality improvement guidelines, and a collaborative formulary.
- Protocol "2-28: Suspected Nerve Agent" specified use in a disaster setting and used the term "Chempack" for the first time.
- Request for Chempack assets had to be made through an on-line medical control physician.

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CURRENT POLICIES
AND PROTOCOLS

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NEW YORK STATE COLLABORATIVE PROTOCOLS

- As of 2023, adopted by 17 of 18 Regions in New York State.
- Comprised of a Protocol and Resource.
 - "Organophosphate Exposure" (Protocol).
 - Treatment limited to atropine and seizure control (via adult or pediatric seizure protocol).
 - "Suspected Nerve Agent" (Resource).
 - Still specifies use in a disaster/weapons of mass destruction setting.
 - Identifies on-line medical control as the resource for requesting assets.

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PROTOCOL: ORGANOPHOSPHATE EXPOSURE | Continue | Contin

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cc	Agration/Spinson NUI/DCBM			
PARAMEDIC	MODERATE Empiratory Distress SLUDGEM	2 Auto-injectors (4 mg total) Monitor every 10 monitor	1 Auto-injustor (600 mg)	
Don personal protective equipment DO NOT APPROACH WITHOUT ADEQUATE PROTECTION Contact disputch to declare an incident; request an appropriate response Request ALS, if not already present or en route	ASYMPTOMATIC Name	None Monhor for signs and symptoms every 15 minutes From NVS DOH Mark I Kit	None	
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NEW YORK CITY UNIFIED PROTOCOLS

- "Weapons of Mass Destruction: Nerve Agent Exposure."
 - Class Order issued by Fire Department of New York (FDNY) Office of Medical Affairs (OMA) is required for use.
 - Specifies what providers can enter and operate in what zones.
 - Example: Hot Zone FDNY Certified First Responder, FDNY Hazardous Materials Emergency Medical Technicians and Paramedics, FDNY Rescue Paramedics.
- Also found in FDNY Hazardous Materials Medical Technicians Protocols, for exclusive use by special trained FDNY EMS Providers.
 - These protocols are unique to New York City.



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FOUNY HAZ-TAC PROTOCOLS (EXCERPTS) Frailion - All NEAT-AC (Riese, EAITs, and ARMT-PP result possess a valid New York State DOH Buseau of Emergency Modical Behavious BMT of EAMT Persult possess a valid New York State DOH Buseau of Emergency Modical Behavious BMT of EAMT Presult possess a valid New York State DOH Buseau of Emergency Modical Behavious BMT of EAMT Provided BMT of EMERGENCE (Conflictation. In addition all members must successfully complete an 122-hour basic hazardous materials mentioned and participation in school and participation in school

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RESPONSE TO CHEMICAL RELEASE / SURGE

- Can vary wildly and dependent on factors such as:
 - County Concept of Operations (CONOPS) and Regional Response Plans:
 - · Distance to a CHEMPACK site.
- Outside of FDNY Hazardous Materials Medical Technician, a limited number of EMS response teams can operate in a "hot" or "warm" zone and is often limited to EMS agencies/ providers within municipal fire departments.
- Decontamination of patients would be performed by local fire department/hazardous materials team(s) and often prior to EMS contact
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PERSONAL PROTECTIVE EQUIPMENT (PPE)

- PPE requirements are limited to what is included in New York State Emergency Medical Services Code (Part 800) and Occupational Health and Safety (OSHA) 29 Code of Federal Regulations (CFR) 1910.
- Part 800.24 (<u>Certified Ambulances</u>)
 - Two sets of masks and goggles
 - Two pairs of disposable gloves
- Part 800.26 (Other Certified EMS Vehicles)
 - No requirements
- OSHA requires EMS agencies to have a Respiratory Protection Plan (29 CFR 1910.134) and a Bloodborne Pathogens Plan (29 CFR 1910.1030)
 - PPE is still limited, at most, to N-95 (or PAPR) and fluid resistant gowns.
- No federal or state requirement for EMS Providers to have self contained breathing apparatus or CPC Limited number of specialized units



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FUTURE CHANGES AND UPDATES



NEW YORK STATE COLLABORATIVE PROTOCOLS

- Revisions to both the Organophosphate Protocol and Suspected Nerve Agent Resource are completed and were approved at the February 2024 meeting of the State Emergency Medical Services Council (SEMSCO).
 - Revisions were designed to shift the focus from mass casualty incidents and/or weapons of mass destruction to any organophosphate exposure where supplies can be quickly exhausted and / or any life can be saved with a CHEMPACK activation.
 - Activation of CHEMPACK does not require medical control approval / authorization.
- Revision of Policy Statement 03-05 is in progress.
 - · Update and shift focus to regular and ongoing training & collaboration.
 - Best practices from New York State CHEMPACK guidelines.
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LINKS

Patient Treatment Protocols

- New York State Collaborative Protocols
- https://www.health.ny.gov/professionals/ems/pdf/ny_collaborative_protocols_v23.1.pdf
 New York City Unified Protocols
 https://mycremsco.org/wp-content/uploads/2021/01/2022-REMAC-Protocols-FINAL-PDF.pdf
 FDNY Haz-Tac Protocols
- - $\underline{https://nycremsco.org/wp-content/uploads/2022/06/2022-HazTac-Protocols-Update.pdf}$

Bureau of EMS Policy Statements

- Policy Statement 03-04: "Chemical Terrorism Preparedness and Response Card" https://www.health.nv.gov/professionals/ems/pdf/03-04.pdf
 Policy Statement 03-05: "Mark | Kits"
- https://www.health.ny.gov/professionals/ems/pdf/03-05.pdf



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QUESTIONS?

