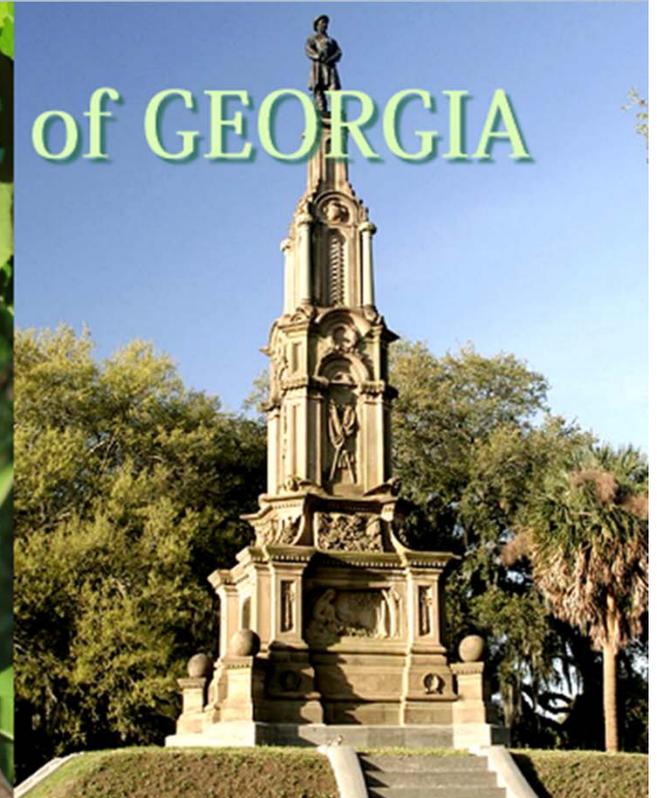


Georgia Chempack Program

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Medical Director, Georgia Poison Center; Chief,
Pediatrics, Hughs Spalding Medical Center



STATE of GEORGIA

STATE of GEORGIA

The CHEMPACK Role

- Supply a local cache of antidotes for treating organophosphate toxicity
- In response to:
 - Organophosphate based insecticides
 - Nerve agents
 - Carbamates and related agents
 - Note: fertilizers are not OPs; weed-and-feed products usually don't contain OPs either

The logo for the Georgia Poison Center features a blue outline of the state of Georgia. Inside the outline, there is a white circle containing a cluster of small black dots, and a white hand holding a small white object. Below the map, the text "Georgia Poison Center" is written in a bold, blue, sans-serif font.

Georgia Poison Center

Key points

- How the CHEMPACK program can help meet antidote need in a mass organophosphate exposure
- How the CHEMPACK program works



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Remediation at the scene

- Medical treatment
 - May require triage and prioritization of care
 - Decon at the scene prior to transport?
- Medical treatment may require use of CHEMPACK assets brought to the site



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Remediation at the hospital

- Medical treatment
 - May require triage and prioritization of care
 - Is decon needed for patients who did not already receive this prior to arrival?
- Medical treatment may require use of CHEMPACK assets brought to the ED

Why CHEMPACK

- Conventional SNS response time is 12-hrs, too long in the event of a chemical attack
- State and local governments have limited or no chemical/nerve agent antidote stocks
- Hospitals carry very limited supplies of treatments for nerve agent exposures
- Nerve agent antidotes are costly and have variable shelf lives (not an easily sustainable resource)

CHEMPACK Containers

- Self-contained units, placed in centralized locations
- Purpose: enable quicker administration of life-saving antidotes
- Come in 2 types:
- “EMS containers”
 - Geared to first responders
 - 85% auto injectors
 - 454 casualty capacity



CHEMPACK Containers

The second container type:

- “Hospital containers”
 - Geared to clinical care environment
 - 85% Multi-dose vials
 - 1,000 casualty capacity

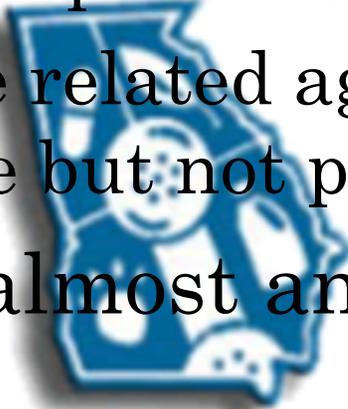
CHEMPACK Containers



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The CHEMPACK Role is LIMITED

- Specifically targeted at supplying pharmaceuticals to treat OP poisoning
 - Nerve agents are potent OPs
 - Carbamates are related agents and may require atropine but not pralidoxime
- Not helpful for almost any other situation



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Nerve agents - Therapy

- Prevent further exposure
- Atropine
 - absence of atropinization = inadequate dose
- Pralidoxime (cholinesterase reactivator)
- Seizure control with diazepam
 - Or lorazepam (non-FDA approved)
- Remember the kinetics: nerve agents have longer half-life than atropine, diazepam

Antidote Stock Criteria

- Cost, availability, storage all considerations
- Likelihood of immediate availability in regional disaster is poor unless available at your own facility
- Need adequate supplies until regional and Federal authorities can provide additional material



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Getting Antidotes

- Minimum time required to get help from Strategic National Stockpile (SNS) is 8-12 hours
- CHEMPACK program aims to fill this gap by supplying antidotes to treat OP toxicity in approximately 1 hour after request approved



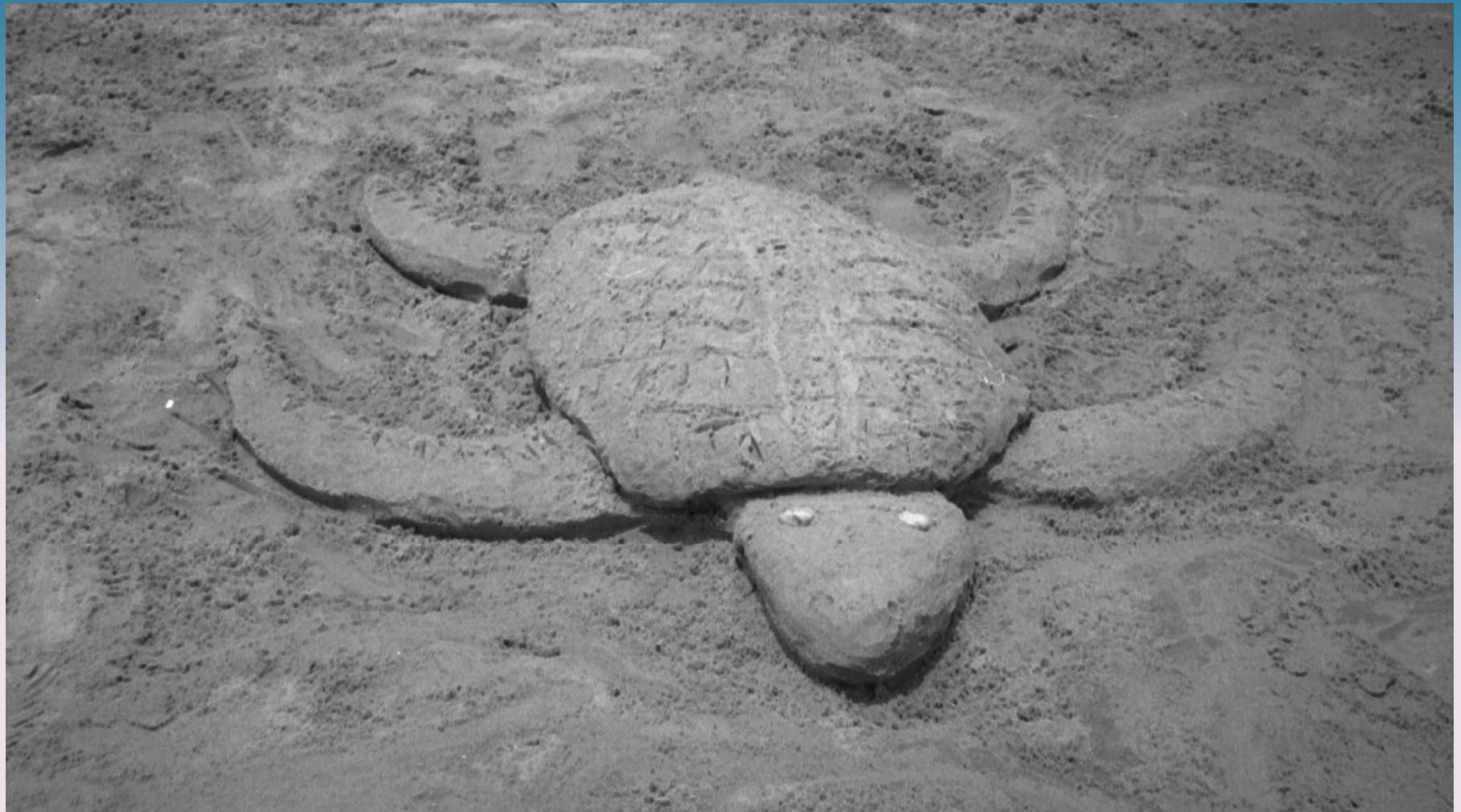
Georgia Poison Center

Getting Antidotes: Overview

- Call GPC for assessment
- If yes, GPC will call nearest CHEMPACK site for release of assets
- GPC will link release site and request site to coordinate transport and location
- Transport picks up and delivers
- Chain of custody must be maintained



Georgia Public Health



STATE of GEORGIA

CHEMPACK: How It Works - 1

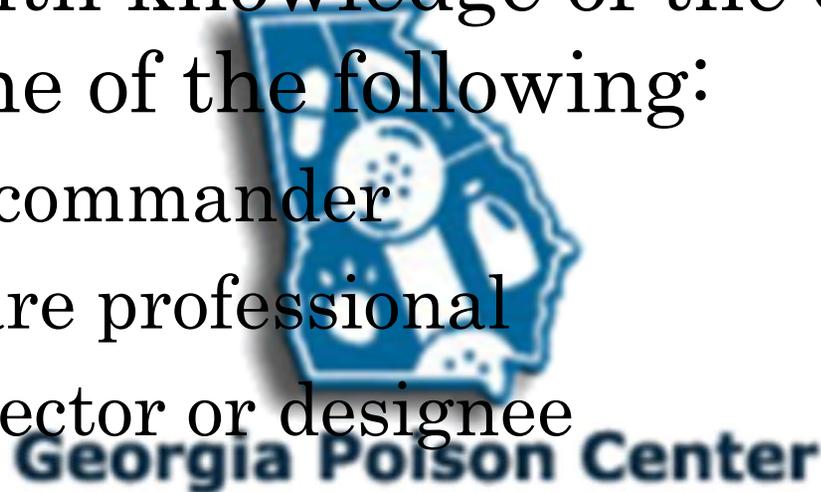
- Local recognition of shortage
 - based on depletion of local resources in face of anticipated ongoing need
- Telephone request to central site
 - Georgia Poison Center



Georgia Poison Center

Who can request a CHEMPACK?

- Requester needs to represent an entity that can be responsible for the assets
- Anyone with knowledge of the event; suggest one of the following:
 - incident commander
 - health care professional
 - EMA Director or designee



Georgia Poison Center roles

- Provides clinical consultation
- Locates and contacts appropriate CHEMPACK site
- Provide consultation as needed in patient assessment and management
- Coordinate info sharing with Public Health



Georgia Poison Center

More details about the request

- Requests can come from the Georgia Poison Center or directly to you
- If the request comes directly to you- if time permits, please coordinate with the Poison Center *before* opening the CHEMPACK



Georgia Poison Center

Chempack REQUEST



1 Request Chempack

Call Georgia Poison Center Chempack Hotline
(404) 230 – 8990
If no answer call
(404) 616-6699 OR (404) 616-9000

Provide incident information to identify the type and quantity of Chempack materials being requested.
** Note – See the Chempack Transfer of Custody Form for the inventory list (See Back)*

Provide contact information including EXACT location for delivery.
*** Transport will be arranged with you by the releasing Chempack site.*

Chempack RECEIVE



- 1 Verify and sign for receipt of Chempack assets on the Chempack Transfer of Custody Form. *(See back of card)*
- 2 Complete “Quantity Returned” on the Chempack Transfer of Custody Form.
- 3 Coordinate the return of the unused portion of the Chempack materials with the Site Manager at that Chempack location. Return Chempack Transfer of Custody Form with the unused portion of the Chempack materials to the Chempack Site Location.

Questions?

State Chempack Coordinator
Dan Polanski
Cell: (404) 736-8037
Alternate cell: (770) 231-2905
drpolanski@dhr.state.ga.us

CHEMPACK: How It Works - 2

- Checklists supplied widely for just-in-time guidance
- Also attached to CHEMPACKs



Georgia Poison Center

CHEMPACK: How It Works - 3

- Poison Center locates CHEMPACK assets near site of need
- Poison Center contacts site with assets to confirm availability
- Poison Center connects requester with site holding assets
- Site with assets arranges transport



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More details about coordination -1

- Opening the CHEMPACK door removes the products from the shelf-life extension program
- Goal is to keep as much assets available as practical without delaying patient care
- Goal is to release adequate amounts for patient care



Georgia Poison Center

Coordination 2

- Poison center will coordinate release of assets needed with stocking sites
 - Not all of a CHEMPACK is likely to be needed at each site
- If multiple requests come in from the same area, it may be possible to supply them from the same CHEMPACK if travel distances are about the same



Georgia Poison Center

CHEMPACK Storage

- Many containers aimed at 454 patients
 - “EMS containers”
 - mostly autoinjectors
- 3 larger containers strategically placed across the state to support hospitals in further care



Georgia Poison Center

CHEMPACK “EMS” Container contents

- Mark I auto injectors
 - Atropine + pralidoxime (2-PAM) intended for IM use
 - IM use is more practical than IV in multi-patient events
- Diazepam for IM / IV use
- Atropine for IM / IV use
- Pralidoxime (2-PAM) for IM / IV use



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CHEMPACK “Hospital” Container contents

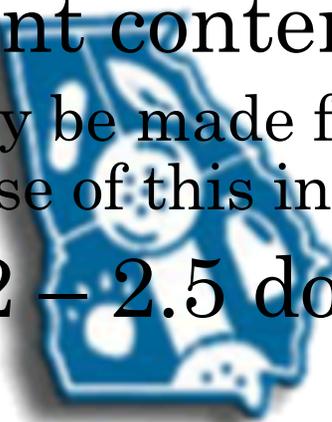
- Atropine for IM / IV use
- Pralidoxime (2-PAM) for IM / IV use
- Diazepam for IM / IV use



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More details about releasing CHEMPACK assets

- Assets will be released in sealed full-cases to simplify the process and avoid the need to count contents
 - EXCEPTION may be made for pralidoxime, since there is only 1 case of this in each CHEMPACK
- Release goal: 2 – 2.5 doses per patient expected
- GPC will coordinate amount



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Chempack RELEASE



- 1 Receive call requesting Chempack.**
BEFORE opening Chempack, if the request does NOT originate from the Georgia Poison Center (GPC), contact (404) 230-8990.
- 2 Complete section one of the Chempack Transfer of Custody Form. *(See back of this card.)***
Record receiving contact name and number.
- 3 Call transporting entity to arrange emergency pick up. Confirm *EXACT* location of pick up.**

Stick Label Here for
Primary Transport Agency
(Avery 5160)

Stick Label Here for
Secondary Transport Agency
(Avery 5160)

- 4 Prepare Chempack assets for transport and delivery to requesting site.**
Deliver to EXACT location.
- 5 Complete "**Quantity Deployed**" on Chempack Transfer of Custody Form. *(See back of this card.)***
Complete (1) and send form with Chempack.
- 6 Fax or email event information to**

Stick Label Here for
State Chempack Coordinator
(Avery 5160) (Fax, Email)

More details - Storage

- Securely located
- Temperature monitored
 - Any rise in temperature or opening of the cabinet door will trigger a central alarm at the monitoring center
 - CHEMPACK coordinator will be alerted and will contact your point-of-contact

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More details – Storage 2

- Containers may not be electively moved without CDC and State approval
 - Need at least 60 days advance notice
- Materials stored at appropriate temperature fall within the CDC/FDA Shelf Life Extension Program



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Shelf Life Extension Program

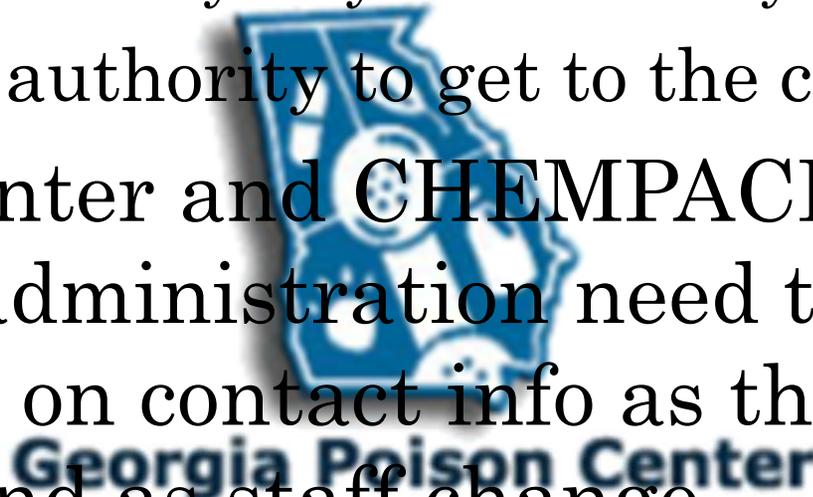
- Because materials are maintained at a given temperature under Federal control, expiration date on product is extended
- Samples are periodically tested to ensure they continue to meet in-date product standards
- Materials not meeting these standards are replaced



Georgia Pearson Center

More details- access

- Access needs to be available at all times
 - Who has the keys?
 - Are there really only one set of keys?
 - Who has authority to get to the cache?
- Poison Center and CHEMPACK program administration need to be kept up to date on contact info as this changes and as staff change



More details about delivery

- Can deliver to:
 - A hospital
 - A scene
 - A secondary care site



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Logistics of transport

- Will be coordinated by releasing site
- Transport promptly and safely, preferably by “lights and sirens” vehicle
- Can be transported to a scene or to a hospital, as most clinically appropriate



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Transporting CHEMPACK contents

- Will usually come as a full box
 - Box size contains sufficient medication for many patients
- Occasionally, will ship part of a box of pralidoxime (2-PAM)
- Can be transported in a small vehicle



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Recipients

- At HCF, recipient should be a physician or pharmacist
- On-scene, recipients should be the incident commander or their designee



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More details about transport

- Transport is under the control, and is the responsibility, of the CHEMPACK hosting site
- Need a pre-established primary and secondary transport strategy



Georgia Poison Center

Chempack TRANSPORT



- 1** Receive call requesting transport.
Confirm EXACT location for pick up.
(Record releasing contact name and number and provide to officer assigned to transport.)

- 2** After arrival at releasing Chempack site, exchange proper ID with Chempack point of contact for verifications.

- 3** Complete and sign **(2)** of Chempack Transfer of Custody Form *(See back of this card)*

- 4** Before departure, confirm EXACT location for delivery. *Record receiving contact name and number.*

- 5** Deliver Chempack assets to drop off point.
*** This is an emergency! Deliver using lights and siren!*

- 6** Upon arrival at receiving site, exchange proper ID with point of contact or Incident Commander on scene for verifications.

Transport strategies - 2

- Program should have a clearly established transport plan in place before you need to invoke it
- Program should remain flexible to adapt to event circumstances



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Transport strategy criteria

- Needs to be transported promptly and safely
 - using “lights and sirens” may be an added benefit at times
- Transport is likely to cross county boundaries
- Transport may occur anytime, day or night



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Transport strategies system-wide

- Georgia State Patrol
- Georgia County Sheriffs or Marshals
- State helicopters
 - What about life flight services?
- Hospital - based security
- EMS units



Georgia Poison Center

More details about record keeping

- Each step in the process should have a record of what was transferred, signed by the person taking control of the assets
- Some type of official photo ID should be used to verify identities
- Recommended forms are located with each CHEMPACK



Georgia Poison Center

Enabling CHEMPACK program functions as intended

- Prompting cards have been developed for Requesting, Releasing, Transporting, Receiving
- Cards list steps to be taken, who to call, what to do, etc.
- Cards are being distributed by State CHEMPACK program to all hospitals, EMS units, Public Health, EMA



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In summary -1

- Request made
- GA Poison Center assesses needs
- GA Poison Center locates nearby assets
- GA Poison Center contacts host of assets, authorizes release
- GA Poison Center conferences host with requester, who jointly arrange transport details



Georgia Poison Center

In summary - 2

- GA Poison Center notifies State CHEMPACK coordinator emergently
- Transporter picks up materials at host, delivers to site in need
- GA Poison Center available for consultation, verifies ongoing status of site in need



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Questions?

