



CHEMPACK CACHE DEPLOYMENT Guide

CHEMPACK Cache Information

The CHEMPACK Project, part of the Strategic National Stockpile (SNS) Program, is designed to provide a 'forward' and sustainable resource of chemical and nerve agent antidotes throughout the United States. CHEMPACK caches placed in Santa Barbara County are managed by the federal Centers for Disease Control and Prevention (CDC).

There are **two types** of CHEMPACK caches:

- **EMS cache** containers are primarily auto-injectors designed for pre-hospital emergency responder use but are appropriate for hospital emergency departments as well.
- **HOSPITAL cache**, designed for hospital and treatment center use, has more multi-use vials.

There are **2 EMS caches and 1 hospital cache** in Santa Barbara County:

- Each **EMS cache should treat 450** and each **hospital cache 1,000** patients of 30% mild, 40% moderate, and 30% severe cases.

CHEMPACK logistics:

- CHEMPACK container dimensions: 60.5" (Height) X 32.5" (Width) X 60.5" (Length)
- Total Weight: >700 lbs.
- CHEMPACK cache medications are in boxes that maybe removed from the container and transported in passenger vehicles.

For maximum effectiveness, CHEMPACKs need to reach affected patients within 60 minutes.

Authorized CHEMPACK deployment requestors:

- Incident Commander
- Hospital ED Manager
- Santa Barbara County EMS Duty Officer
- Health Officer (Medical/Health Operational Area Coordinator)
- Regional Disaster Medical/Health Coordinator or Specialist
- California Department of Public Health staff
- California Emergency Medical Services Authority staff

Record the following information when Chempack medications are requested in response to a nerve agent or chemical exposure:

Location	
Incident Commander Name, Call Sign, and Telephone Number	
Incident Command Post Location	

Required Information Prior to Activation:



Nature and severity of chemical release:	
Estimated number of patients:	
Based on estimated number of patients, the staff housing the CHEMPACK, the requesting hospital, or the EMS duty officer will select the appropriate number of cases to deploy. The cases of these medications are inside the Chempack container and may be removed and transported in the back of a passenger or other vehicle.	EMS Cache ____Diazepam 5 mg/ml auto-injector (1 case of 150 injectors for up to 50 patients. 2 cases per EMS cache-green) ____Atropen 0.5 mg deploy for PEDS (1 case of 144 injectors for up to 50 PEDS. 1 case per EMS cache-purple) ____Atropen 1.0 mg deploy for PEDS (1 case of 144 injectors for up to 50 PEDS. 1 case per EMS cache-grey). Hospital Cache Includes: ____Diazepam 10 mg auto-injector (2 cases) ____Atropine Sulfate, 0.4 mg/ml in 20 ml. (100 per case, 9 cases in cache). ____Atropen 0.5 mg deploy for PEDS (1 case of 144 injectors for up to 50 PEDS. 1 case per EMS cache-purple) ____Atropen 1.0 mg deploy for PEDS (1 case of 144 injectors for up to 50 PEDS. 1 case per EMS cache-grey). ____Atropen 2.0 mg deploy for ADULTS ____Pralidoxime 1 gm in 20 ml. (276 per case, 10 cases per cache) ____Sterile water for injections (100 per case, 28 cases per cache)
Staging location for delivery at the scene:	
Chempack Deployment Objectives	
<ul style="list-style-type: none">• Alert the Chempack custodial sites to ready the cache for deployment and stand by for further instructions.• Determine which caches to transport based on the number of victims. The Chempack custodial hospital, the EMS duty officer, or receiving hospital will determine which EMS or Hospital CHEMPACKs to deploy and the quantity of items needed from each cache at each location (scene or hospital).• Determine route and staging site for delivery to the scene as well as to receiving hospitals. Incident Commander on scene will provide routing instructions and staging location for delivery.• Arrange Code 3 transport for EMS cache items to the incident site and Hospital cache items to the receiving hospital(s). <i>Note: Due to proximity, portions of the EMS cache at Santa Barbara Cottage Hospital may be transported for use in a hospital in southern</i>	



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- **Notify the Chempack custodial site(s)** of the name of agency(s) that will arrive to take custody of the Chempack assets.
- **Assure that hospitals have secured** their Chempack custodial and receiving hospital sites with their own security personnel or in coordination with Sheriff or PD.

Immediate Concerns

Task		Yes	No	Notes/Time/Who Notified
1.	Alert EMS Duty Officer			
2.	Alert OES			
3.	<p>Contact the two CHEMPACK Custodial Sites:</p> <ul style="list-style-type: none">• Request them to ready their caches.• Tell the custodial agents to stand by for information on who will be making the pick-up.• Remind site to arrange for security at Chempack site. <p><u>Marian Regional Medical Center</u> (2 caches) 1400 E. Church St. Santa Maria, CA 93454 24/7: (805) 739-3000 or (805) 739-3450 ask for ED Guerena, Director of Pharmacy; or Lisa Zurek, Asst. Director of Pharmacy; or Nursing Supervisor (1) EMS Chempack (for incidents in the field) (1) Hospital Chempack</p> <p><u>Santa Barbara Cottage Hospital</u> (1 cache) 400 W. Pueblo St. Santa Barbara, CA 93105 (805) 682-7111 24/7 <i>SBCH Emergency Department Manager or Pharmacy Director</i></p> <p>(1) EMS Chempack (for incidents in the field)</p> <p>NOTE: Due to the time-sensitive nature of administration of these antidotes it may be necessary to use some of the medications</p>			



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	<p>in the Downtown Santa Barbara Valley EMS cache in the hospital settings in southern Santa Barbara. You will likely need to deploy items from the EMS cache to the scene AND items from the hospital or EMS cache to the receiving hospitals.</p> <p>Note: To comply with CDC, DEA, and internal procedures concerning controlled substances, for security purposes a custodial agent may elect to call the Sheriff's Communications Center back to verify the validity of the request.</p>			
4.	<p>Based on location and access on scene, EMS duty officer and IC determine the most appropriate EMS and hospital caches to deploy.</p> <p>Note: Each EMS cache can treat up to 450 patients in the field. If more than 450 patients are to be treated in the field, BOTH EMS caches must be deployed. Note: The hospital cache can treat 1,000 patients.</p> <p>Based primarily on the location of the incident, but also considering traffic patterns and any other relevant information, EMS duty officer or IC will determine if the Marian West cache or the SBCH cache is most appropriate for deployment to the scene. Receiving hospitals will receive medications from the HOSPITAL cache or the Santa Barbara Valley EMS cache.</p> <p>Note: You will need to make multiple separate transportation arrangements to move Chempack resources to the scene and to the receiving hospital(s).</p>			



5.	<p>SB County Communication Center to make code 3 transportation arrangements for:</p> <ul style="list-style-type: none">• EMS Chempack cache to the staging area indicated by the authorized requestor• Hospital Chempack to receiving hospitals. <p>Note: Due to proximity, in some cases, antidotes from the EMS Chempack at SBCH will need to be used at South County hospitals.</p> <p>Note: Time is of critical importance. 60-minute window to administer nerve agent antidotes.</p> <ul style="list-style-type: none">• Consider all available public safety resources, the traffic situation, and other incident-specific factors and use the resource or combination of resources necessary.• Remember, if the entire EMS cache(s) and the hospital cache are deployed, separate transportation will be needed for each.• Relay ETA to the requestor when available. <p>NOTE: Items may be removed from the wheeled Chempack container and transported separately in vehicles. The EMS cache will fit into the backseat of a passenger vehicle.</p> <p><i>For out-of-county incidents, transportation arrangements are the responsibility of the requestor. In the interest of public safety, dispatch personnel will take all necessary action to assist out-of-county requestors in coordinating transportation using any resources available within the county including those from cities and CHP.</i></p> <p>Transportation resources for Marian West Hospital (hospital and EMS) cache:</p> <ul style="list-style-type: none">• Santa Maria Fire (consider their level of involvement and commitment of resources if the incident is occurring within their jurisdiction – if they are heavily involved in response and suppression activities, consider another alternative)• Sheriff			
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<ul style="list-style-type: none">• Santa Barbara County Fire or Santa Maria City Fire• AMR• Santa Maria PD• CHP• Helicopter• CALSTAR• Other code-3 equipped law enforcement, fire, or EMS asset• Other air assets <p><i>Air transport helispot options for Marian West:</i> Have the helicopter meet the ground unit at Marian Hospital's helispot.</p> <p>If air transport is arranged, be sure to coordinate helispot security and ground transportation at the receiving end.</p> <p>Transportation resources for SBCH (EMS) cache:</p> <ul style="list-style-type: none">• Sheriff• Santa Barbara County Fire• AMR• CHP• Santa Barbara PD• helicopter• CALSTAR• Other air assets• Other code-3 equipped law enforcement, fire, or EMS asset <p><i>Air transport helispot for SBCH:</i> Contact Airport Patrol via SBPD. Have helicopter meet the ground unit at the Santa Barbara Airport at Signature Air.</p> <p>If air transport is arranged, be sure to coordinate helispot security and tarmac access via Airport Patrol. Arrange ground transportation to scene or hospital at the receiving end.</p> <p>Inform IC on scene and receiving hospital of ETA of Chempack assets.</p>			
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6.	The EMS Duty Officer will notify the Regional Disaster Medical Health Coordinator (RDMHC) by calling 562-347-1500 (Main) or 949-981-2865 (c)			
7.	Notify all Santa Barbara, Ventura, and SLO County hospitals and other REDDINet users via REDDINet memo. Include estimated number of victims and which hospitals will receive the HOSPITAL CHEMPACK medications.			
8.	Request that hospitals receiving Chempack medications coordinate security with local law enforcement to ensure safeguarding of the cache and protecting the facility and its staff from any crowd control issues. If the venue agency is unable to fill the request, request officers from other agencies on a mutual aid basis.			

Reminders

- ★ ***Time is of the essence. The medications must reach the patients and/or affected first responders within 60 minutes! Take action quickly, particularly when arranging transportation. If one transportation resource alternative cannot rapidly commit, immediately begin looking for another. Be careful not to waste too much time waiting for several callbacks.***
- ★ Other nearby counties with EMS CHEMPACK caches include: Ventura and San Luis Obispo.