



CHEMPACK DEPLOYMENT PROTOCOL

El Dorado County Operational Area



December 10, 2015

El Dorado County Operational Area CHEMPACK Deployment Protocol

Introduction

In the case of an accidental or deliberate release of a nerve agent or organophosphate compound, time will be of the essence to minimize morbidity and mortality. The Centers for Disease Control and Prevention has established CHEMPACK Program for pre-placement of nerve agent antidotes. CHEMPACK containers are stored at secure sites within the El Dorado County Operational Area.

This protocol outlines the responsibilities, procedures and the operational requirements to move, deploy or break the seal on a CHEMPACK containers within the El Dorado County Operational Area.

Triggers for Deployment of CHEMPACK Container or Contents

Authorization to move, deploy or break the seal on a CHEMPACK container from its specified location will be limited to any of the following events:

- Release of a nerve agent or organophosphate with harmful human effects or immediate threats too great to adequately manage with other pharmaceutical supplies available.
- Large or unusual occurrence of patients presenting with signs and/or symptoms consistent with nerve agent or organophosphate exposure.
- An event with potential to create a nerve agent or organophosphate release with human exposure (e.g. a transportation accident with fire or loss of container integrity).
- Any mutual aid request from another region or neighboring state in which CHEMPACK assets are being deployed or staged.
- Any event which, in the judgment of the County Health Officer or EMS Medical Director justifies the deployment of CHEMPACK supplies.
- A physical threat to the CHEMPACK at the fixed location (i.e. fire, theft, flood).

TO REQUEST CHEMPACK DEPLOYMENT, CALL: MHOAC PROGRAM AT 530-377-3256

CHEMPACK Authorization, Deployment and Movement

CHEMPACK Requests MUST Include:

1. The nature and severity of the release/exposure, the number of patients and potential number of patients that may self-present at the receiving facility.
2. Location, including GPS coordinates (if available).
3. Access routes for ground and air.
4. Weather and wind information.
5. Any hazards for delivery personnel.

Emergency Incident:

1. Field Incident Commander (IC) request to Dispatch.
2. Dispatch contact the El Dorado County Medical Health Operational Area Coordinator (MHOAC) Program at 530-377-3256.
 - If the MHOAC cannot be reached, the CHEMPACK Host Agency can open and deploy the CHEMPACK. Attempts to reach the MHOAC Program should continue until someone is reached.
3. CHEMPACK Host Agency will release CHEMPACK resources immediately upon request of the MHOAC Program or Dispatch.
4. The MHOAC shall immediately notify:
 - Region IV Regional Disaster Medical Health Specialist (RDMHS)
 - The RDMHS will ensure that the California Department of Public Health / Emergency Preparedness Office (DHS/EPO) is notified promptly of any movement or deployment of CHEMPACK material. DHS/EPO will in turn notify CDC.
 - El Dorado County Office of Emergency Services (OES)

Pre-emptive Movement of a CHEMPACK Container:

1. The MHOAC Program may also authorize deployment of any CHEMPACK container and/or its contents to any location within the El Dorado County Operational Area, or outside the area under a medical-health mutual aid request in advance of a pre-planned event or anticipated threat.
2. Any such request must be made to the RDMHS for approval. Unless an imminent or ongoing emergency, a request must be made at least 48 hours before the movement.
3. The RDMHS will refer any request to the California Department of Public Health – Emergency Preparedness Office (CDPH-EPO) for consideration. If an RDMHS is unavailable to take timely action on a movement request, that request may be made to CDPH-EPO via the CDPH Duty Officer/EMSA Duty Officer.

Post-Event Actions

Incident documentation by Public Health should begin as soon as possible following any emergency operation involving CHEMPACK. Post-event documentation must include the following:

- A thorough description of the incident or event involving CHEMPACK resources including times, location, agencies involved.
- A list of the approving officials.
- An inventory of used and unused CHEMPACK contents including transfer documentation.
- An after-action report of CHEMPACK deployment effectiveness.

The CHEMPACK container and/or any unused contents will be returned to the CHEMPACK host agency and will be resealed. The Public Health Division will coordinate re-supply with the Region IV RDMHS, CDHS/EPO and CDC as appropriate. Currently the program is not funded to replace CHEMPACK supplies used for an emergency event. However, requests for replenishment of CHEMPACK supplies should be made to the SNS Program as soon as possible after their use. The SNS Program will attempt to secure federal funding to replace and restock supplies used in response to an emergency event.

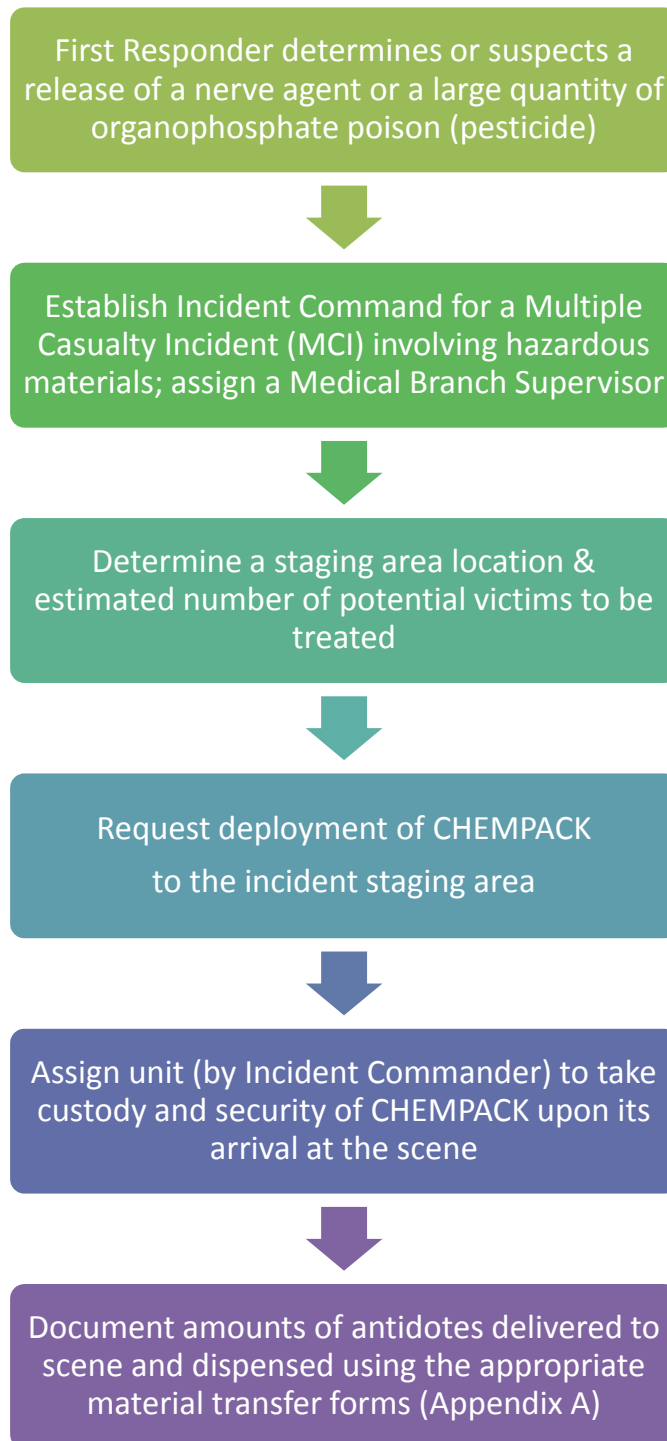
VI. CHEMPACK Container Contents

Each EMS CHEMPACK container has 24-hour monitoring for both security and environmental temperature. EMS CHEMPACK containers include large quantities of medications used to treat victims of nerve agent or organophosphate exposure. Each El Dorado County Operational Area EMS CHEMPACK is designed to treat up to 454 patients based on varying amounts of exposure. Each EMS CHEMPACK contains the following medications:

EMS CHEMPACK Container for 454 Casualties			
	Unit Pack	Cases	QTY
Mark 1 auto-injector kit (Atropine & 2-PAM) OR	240	5	1200
Duodote (ATNAA) auto-injector kit	200	6	1200
Atropine Sulfate 0.4 mg/ml 20 ml	200	1	200
Pralidoxime 1 Gm inj. 20 ml	276	1	276
Atropen 0.5 mg	144	1	144
Atropen 1.0 mg	144	1	144
Diazepam 5 mg/ml auto-injector	150	2	300
Diazepam 5 mg/ml vial, 10 ml	25	2	50
Sterile water for injection (SWFI) 20cc vials	100	2	200
Sensaphone® 2050	1	1	1
Satco B DEA Container	1	1	1
Note: container does not have syringes or supplies			
November 2015: SLT CHEMPACKs have the Mark-1; Western Slope CHEMPACK has the Duodote.			

First Responder Responsibilities and Procedures

In the event of an emergency involving nerve agents or organophosphates, law enforcement, fire and EMS first responders are critical to the rapid deployment of CHEMPACK supplies to the scene. First Responders are to follow the procedures shown in the flowchart below:

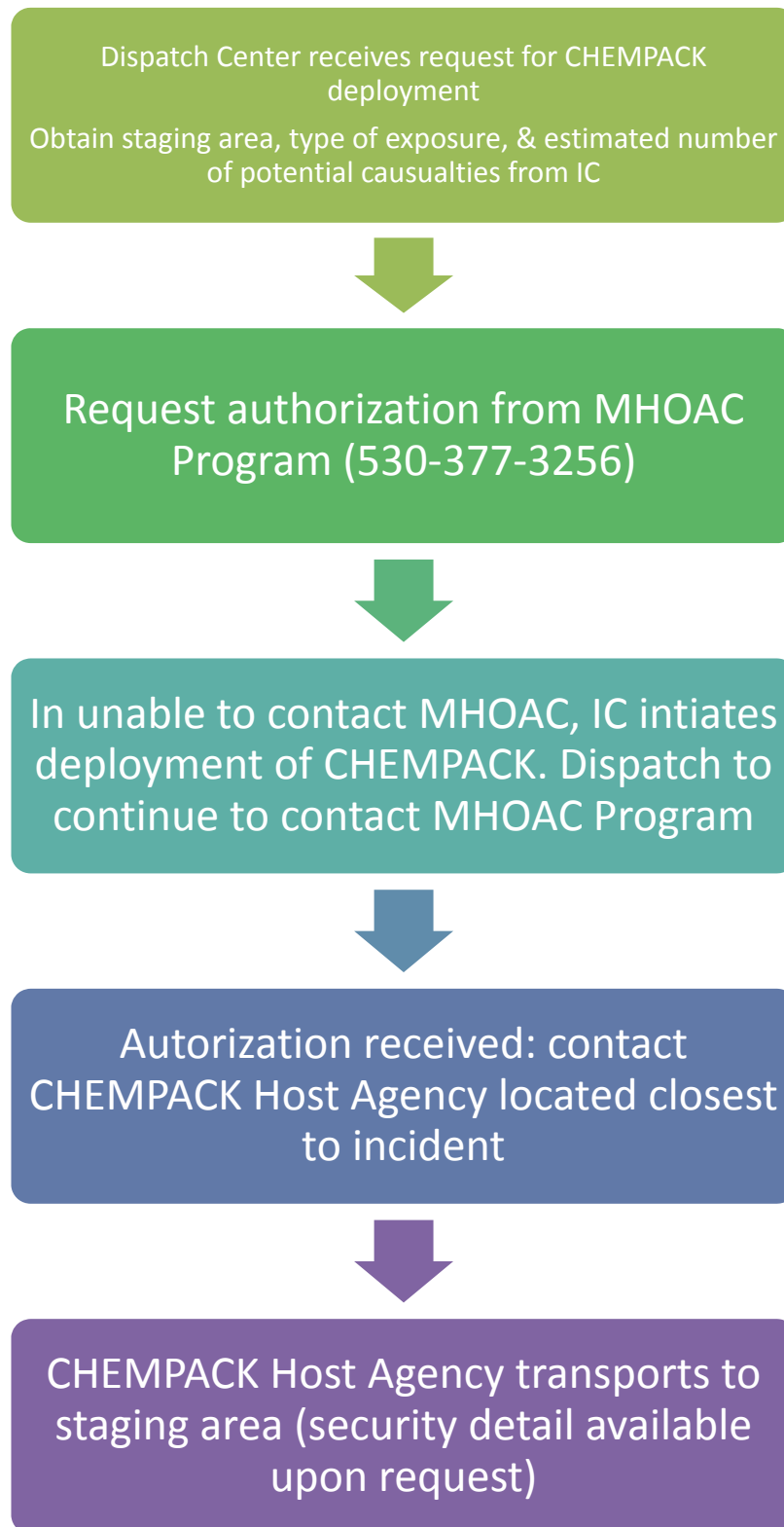


X. Field Policies and Treatment Protocols for EMS Personnel

EMS personnel operating in El Dorado County are subject to all policies, procedures and protocols of the EMS Agency. As part of the CHEMPACK program, the EMS Agency has developed "[Field Policy – Nerve Agent Exposure](#)" for the use and administration of the antidotes (i.e., Atropine, Pralidoxime, and Diazepam) contained in the EMS CHEMPACK. This policy is included in Appendix C.

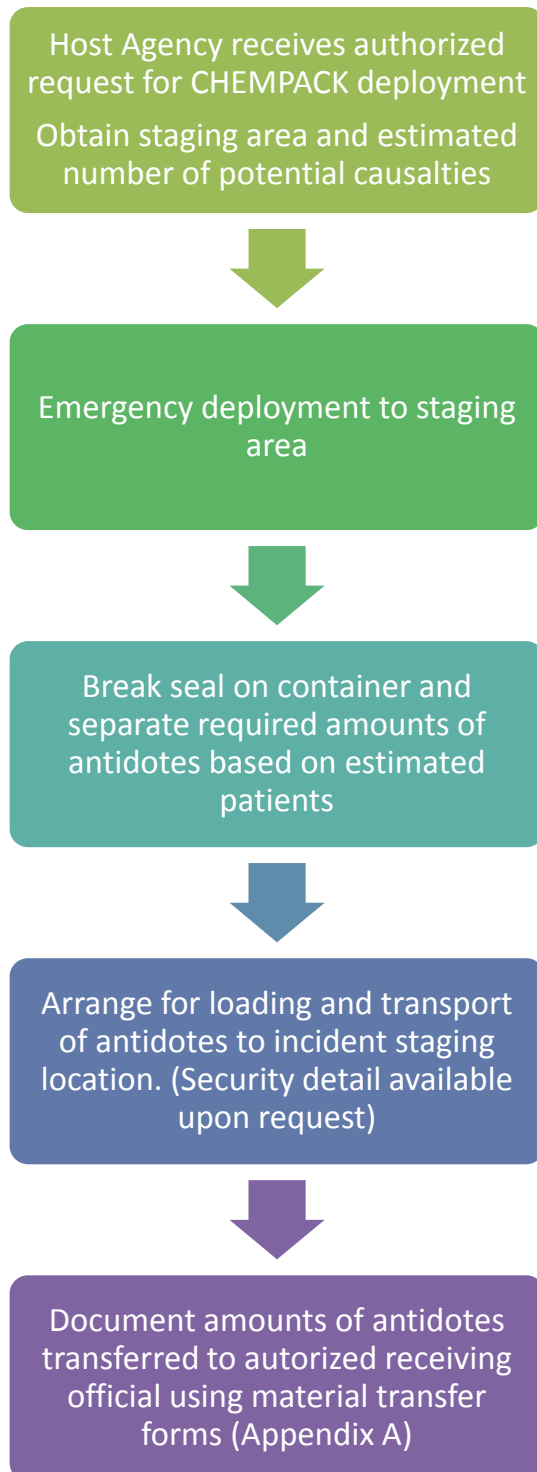
Dispatch Center Responsibilities and Procedures

El Dorado County public safety dispatch centers are to follow the CHEMPACK deployment procedures shown in the flowchart below:



CHEMPACK Host Agency Responsibilities and Procedures

Upon notification that CHEMPACK has been requested and deployment has been approved, the CHEMPACK Host Agency is authorized to break the seal of the CHEMPACK container, dispense the amounts of nerve antidote requested, and transport the antidotes to the staging area.



CHEMPACK Breakdown Based on Estimated Patients

The following charts identify the number of cases of medications and supplies needed to treat mass casualties suffering from organophosphate nerve agent or pesticide exposure (acute).

- The breakdown is for 450, 250, or 125 casualties.
- Determine which chart applies by locating the approximate number of casualties in the grey box at the top of the chart.
- Collect the appropriate number of cases of each item as listed in the Dark Blue column of that chart.
- Color column represents color of label on the case.

EMS CHEMPACK Container for 450 Casualties			
		Cases	Color
Mark 1 auto-injector OR Duodote auto-injector		5	Yellow
Atropine Sulfate 0.4mg/ml 20ml		1	Blue
Pralidoxime 1gm inj 20ml		1	Red
Atropen 0.5 mg		1	Purple
Atropen 1.0 mg		1	Grey
Diazepam 5mg/ml auto-injector		2	Green
Diazepam 5mg/ml vial, 10ml		2	Orange
Sterile water for injection (SWFI) 20cc Vials		2	White

EMS CHEMPACK Container for 250 Casualties			
		Cases	Color
Mark 1 auto-injector OR Duodote auto-injector		1	Yellow
Atropine Sulfate 0.4mg/ml 20ml		1	Blue
Pralidoxime 1gm inj 20ml		1	Red
Atropen 0.5 mg		1	Purple
Atropen 1.0 mg		1	Grey
Diazepam 5mg/ml auto- injector		1	Green
Diazepam 5mg/ml vial, 10ml		1	Orange
Sterile water for injection (SWFI) 20cc Vials		1	White

EMS CHEMPACK Container for 125 Casualties			
		Cases	Color
Mark 1 auto-injector OR Duodote auto-injector		1	Yellow
Atropine Sulfate 0.4mg/ml 20ml		1	Blue
Pralidoxime 1gm inj 20ml		1	Red
Atropen 0.5 mg		1	Purple
Atropen 1.0 mg		1	Grey
Diazepam 5mg/ml auto- injector		1	Green
Diazepam 5mg/ml vial, 10ml		1	Orange
Sterile water for injection (SWFI) 20cc Vials		1	White

APPENDIX A
CHEMPACK Transfer Forms

**CHEMPACK TRACKING
RELEASE AND RECEIPT OF MATERIEL**

CHEMPACK LOCATION: CHEMPACK ID NUMBER: Release Date:	Unit Total	Cases Total
ENTIRE CHEMPACK CONTAINER w/all materiel		
Mark 1 auto-injector OR Duodote auto-injector		
Atropine Sulfate 0.4mg/ml 20ml		
Pralidoxime 1gm inj 20ml		
Atropen 0.5 mg		
Atropen 1.0 mg		
Diazepam 5mg/ml auto-injector (See Controlled Substance Transfer Form)		
Diazepam 5mg/ml vial, 10ml (See Controlled Substance Transfer Form)		
Sterile water for injection (SWFI) 20cc Vials		
Received by: X		
Print:		
Agency Name:		
Phone Number:		
Released by: X		
Print:		
Name of Agency:		
Phone Number:		
Released by: X		
Print:		
Name of Agency:		
Phone Number:		

CHEMPACK CONTROLLED SUBSTANCE TRANSFER FORM

Instructions:

The delivery agent should verify the type of Diazepam - EMS (single use) or Hospital (multi-use) - and the amount to be transferred, sign for custody in Part A below, and transfer the Diazepam to the designated location(s). Hospital (multi-use) packages must be physically received by a staff physician and/or a pharmacist, part B,C, or D below. EMS materials should be delivered, and physically received by the Person in Charge (PIC) on the emergency scene, part B, C or D.

PART A- RECEIPT of DIAZEPAM

The following controlled Substances have been removed from _____
for delivery to _____

Hospital- Diazepam 5mg/ml 10 ml vials (25 per box) Number of Cases _____
EMS- Diazepam 5mg/ml auto-injector (150 per box) Number of Cases _____

Name & Shield Number of courier _____ Signature _____
Date _____ Time _____

PART B- Delivery of Diazepam to Location #1

The following controlled Substances have been removed from _____
for delivery to _____

Hospital- Diazepam 5mg/ml 10 ml vials (25 per box) Number of Cases _____
EMS- Diazepam 5mg/ml auto-injector (150 per box) Number of Cases _____

Name & Shield Number of courier _____ Signature _____
Date _____ Time _____

PART C- Delivery of Diazepam to Location #2

The following controlled Substances have been removed from _____
for delivery to _____

Hospital- Diazepam 5mg/ml 10 ml vials (25 per box) Number of Cases _____
EMS- Diazepam 5mg/ml auto-injector (150 per box) Number of Cases _____

Name & Shield Number of courier _____ Signature _____
Date _____ Time _____

PART D- Delivery of Diazepam to Location #3

The following controlled Substances have been removed from _____
for delivery to _____

Hospital- Diazepam 5mg/ml 10 ml vials (25 per box) Number of Cases _____
EMS- Diazepam 5mg/ml auto-injector (150 per box) Number of Cases _____

Name & Shield Number of courier _____ Signature _____
Date _____ Time _____

APPENDIX B
CHEMPACK Contact List

CHEMPACK Host Agency Contact Information

CHEMPACK Host Agency _____ Main Phone Number: _____
State of California Mutual Aid and Administrative Region: Region IV
Main Phone Number: _____
DEA Registration Number: _____
Controlled Substance Schedules per DEA Registration: _____

CHEMPACK Host Agency <i>Primary</i> Point of Contact	
_____	_____
Name	Title
Office Phone: _____	Cell Phone: _____
Home Phone: _____	Pager: _____
E-Mail Address: _____	

CHEMPACK Host Agency <i>Alternate</i> Point of Contact #1	
_____	_____
Name	Title
Office Phone: _____	Cell Phone: _____
Home Phone: _____	Pager: _____
E-Mail Address: _____	

CHEMPACK Host Agency <i>Alternate</i> Point of Contact #2	
_____	_____
Name	Title
Office Phone: _____	Cell Phone: _____
Home Phone: _____	Pager: _____
E-Mail Address: _____	

APPENDIX C

El Dorado County EMS Agency
Field Policy – Nerve Agent Exposure

[\(Click here\)](#)