CHEM PACK Overview

- Federal Program
  - Centers for Disease Control and Prevention (CDC)
  - Division of Strategic National Stockpile (DSNS)

- Initiated post September 2001 to address large scale chemical releases
  - Forward placement of chemical antidotes
  - Primarily organophosphates
CHEMPACK Program Mission

- Implement a nationwide project for the “forward” placement of nerve agent antidotes. To provide state and local governments a sustainable resource that increases their capability to respond quickly to a nerve agent event.
Overview

- Designed to utilized as secondary response assets
  - Delivery to response area within 60 minutes
  - Does not absolve local initial response responsibilities
  - Can not be utilized to supplant local initial cache

- SNS assets would be utilized as tertiary response to large scale event
Iowa CHEMPACK Locations
CHEMPACK Container:
60.5 (L) X 32.5 (W) X 60.5 (H)
Approximate weight 550 lbs

- DEA approved wire mesh
- Container serial number
- Lockable latches
- Container content list
- Swivel casters
EMS Style CHEMPACK Containers

- **Assets**
  - Federal ownership maintained
  - Shelf Life Extension Program (SLEP)

- **Pharmaceutical supplies only**
  - 85% Auto injector
  - 15% multi-use vials

- **Designed to treat 500 patients**
  - 30% mild exposure
  - 40% moderate exposure
  - 30% severe exposure
### CHEMPACK Pharmaceuticals – forward placement of Nerve Agent Antidotes

- **Diazepam 10mg auto-injector**: 1 box
- **Seizalam (Midazolam) 5mg/ml vial**: 10 box
- **ATNAA (Antidote Treatment Nerve Agent Auto injector)**
  - *is any of a variety of auto injectors in use with the US Armed Force*
  - 6 boxes
- **Atropen 0.5mg**: 1 box (144 units/box)
- **Atropen 1mg**: 1 box (144 units/box)
- **Atropine Sulfate 0.4mg/ml 20ml**: 1 boxes (100 units/box)
- **Pralidoxime 1gm in 20ml**: 1 boxes (276 units/box)
- **Sterile Water 20ml vials**: 1 box (100 units/box)

The 2016 change to Pharmaceuticals was Mark 1 auto-injectors have been replaced with the ATNAA, military version of the DuoDote auto-injector.
Hospital Style CHEMPACK Containers

- **Assets**
  - Federal ownership maintained
  - Shelf Life Extension Program (SLEP)

- **Pharmaceutical supplies only**
  - 85% Multi-dose vials
  - 15% Auto injector

- **Designed to treat 1000 patients**
  - 30% mild exposure
  - 40% moderate exposure
  - 30% severe exposure
CHEMPACK Pharmaceuticals – forward placement of Nerve Agent Antidotes

- Diazepam 10mg auto-injector: 2 box
- Diazepam 5mg/ml vial 10ml: 3 box (25 units/box)
- Seizalam (Midazolam) 5mg/ml vial: 10 box
- Atropen 0.5mg: 1 box (144 units/box)
- Atropen 1mg: 1 box (144 units/box)
- Atropine Sulfate 0.4mg/ml 20ml: 11 boxes (100 units/box)
- Pralidoxime 1gm in 20ml: 12 boxes (276 units/box)
- Sterile Water 20ml vials: 1 box (100 units/box)
Shelf Life Extension Program (SLEP)

- **Requirements**
  - Pharmaceuticals must be owned by the Federal Government
  - Environmental conditions and integrity are maintained
    - Sensaphone® alarm
  - CDC provides documentation to FDA

- **If container is open or environmental conditions not maintained**
  - Material cannot participate in SLEP
Cache Location Requirements

- Secure location
  - 24 hour surveillance by motion detector, camera, door contact switch
  - Double lock standard
  - Controlled entry to storage area

- Floor space for container
  - 72 inch aisles, 34 inch doorways

- Environmental control
  - 59 – 86 degrees F (15 – 30° C)
  - 60% or less humidity
Requirements

- 110 volt electrical power
  - Back-up power source
    - Power generator
    - Uninterruptible power source (UPS)

- Dedicated phone line
  - Plain old telephone (POTS) line – copper

- DEA Registrant
  - Schedule IV agents

- Point of Contact for facility identified

- On-site review/assessment
Protocol

- State CHEMPACK Workgroup will develop
  - Standing protocol for utilization
- Will need to be incorporated into local plan
  - Emergency Management
  - EMS / Fire / HazMat / Law Enforcement
  - Other health care providers
  - Surrounding states