



6th Weapons of Mass Destruction Civil Support Team (WMD-CST)



Agenda

- WMD-CST Overview
- Mission Types & Examples
- WMD-CST Partnerships
- Organizational Structure
- Summary



WMD-CST Overview

MISSION:

Support civil authorities responding to a natural or man-made domestic CBRN incident:

- **Identify** CBRNe agents/substances
- **Assess** current and projected consequences
- **Advise** on response measures
- **Assist** with appropriate requests for additional support

KEY CHARACTERISTICS:

- 22 full time personnel, National Guard, every state
- Technical Responders: all personnel **HAZMAT Technician certified**
- Federally funded state asset = no cost to IC
- **Complement and enhance**, not duplicate local capability

PURPOSE:

**Provide timely, trusted, professional CBRNe advice to external agencies;
specializing in low frequency, high consequence events**



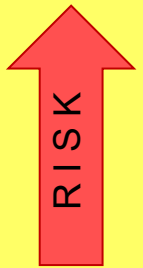
Mission Types

- **Assist:** Training, Exercise, Phone Advice, Photo Analysis

- **Standby:** Prepositioned at Special Events
 - PRND – Preventive Rad & Nuke Detection
 - JHAT/JHIT – Joint Hazard Assessment Team

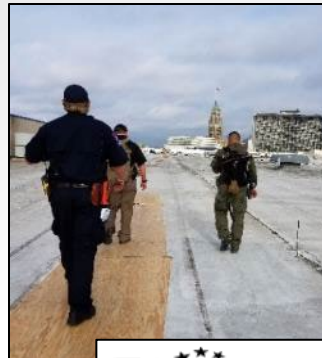
Event, by virtue profile or status, represents attractive terrorist target

- NSSE Bush 41 Funeral
- SEAR 1 Super Bowl
- SEAR 2 NCAA Final 4
- SEAR 3 NASCAR
- SEAR 4 NFL Games
- SEAR 5 Local festivals



- **Response** – Scalable to scope & complexity

- 2011 – Waxahachie fire
- 2012 – AmBe search
- 2013 – Athens fire
- 2013 – West TX
- 2014 – CHEMSTROY
- 2015 – Pringle I-125
- 2016 – Chemical house
- 2017 – Harvey ESF#10
- 2018 – Cylinder
- 2019 – “White Powder”
- 2021 – Baytown Abandoned Lab
- 2022 – Uvalde White Powder Letters
- 2024 – Odessa Fire / Water contamination
- 2024 – FBI Congressional White Powder letters
- 2025 – FBI Major drug lab bust / identification

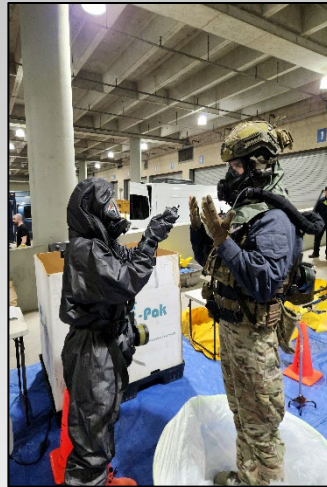


Laboratory Services Section
1100 West 49th Street
Austin, TX 78756

Date of Report: 6/17/2016
Sample ID: CT06-16-16-001
Sample Description: green liquid
DSHS Lab ID: CT06-16-16-001
Operator: ATV
Test Ordered: GC-MS analysis for volatile and semi-volatile organics



Assist – Training, Advice, Analysis



6th CST provides on-location training in technical decontamination, sampling, and JHAT Operations to Pharr HAZMAT, Laredo Fire Department, and the FBI.

6th CST, provides a tabletop display and explains the capabilities of the Survey personnel and equipment to members of the Egyptian Military Forces



6th CST prides characterization and sample analysis, for the FBI, of a White Powder letter sent to congressional representatives of the State of Texas





Standby & Special Event Support

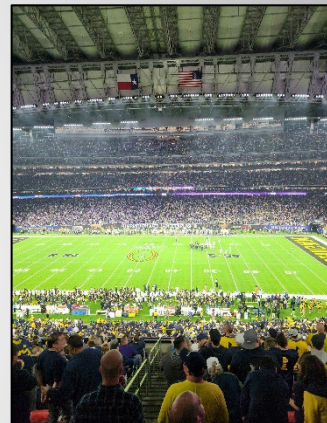
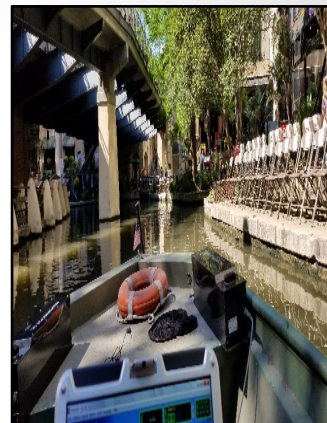
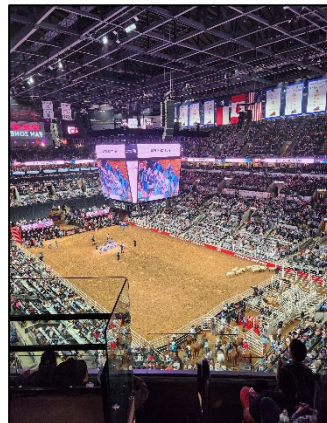


Events Supported

- | | |
|----------------------------|--------------------------|
| World Series | State Funeral – Bush 41 |
| Super Bowl | Governor’s Inauguration |
| NCAA Final Four | World Petroleum Congress |
| MotoGP | Fiesta-San Antonio |
| Formula 1 | ACM Awards |
| San Antonio Rodeo | San Antonio Fiesta |
| NCAA Football Championship | Austin City Limits |
| NSACAR | PGA Tournaments |
| NCAA Football Games | San Antonio Parade |
| Marathons | VIP visits |
| Presidential Inauguration | Presidential / VP visits |

Support Provided

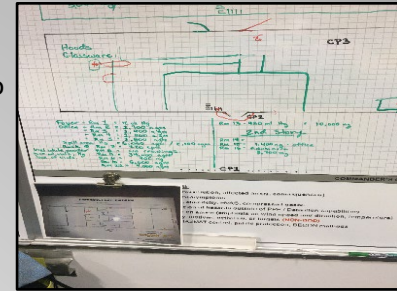
- Background radiation mapping
- Remote air monitoring
- Mobile radiation detection
- Communication support
- Analytical support
- Joint Hazard Assessment/ Interdiction Teams





CST Strike Team Response

December 2021– 6th CST dispatches 8-person strike team in support of Houston PD and FBI to conduct search of abandoned laboratory in connection with a mercury spill



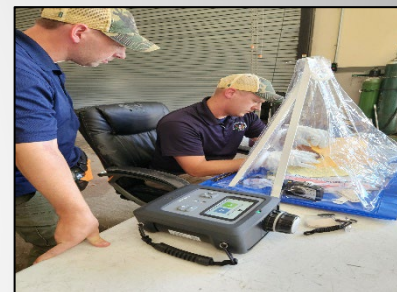
August 2022 – 6th CST dispatches 3-person strike team at the request of the FBI to investigate a suspected white powder letter sent to the Uvalde County Judge in the aftermath of the Robb Elementary School shooting

October 2022 – 6th CST dispatches a 4-person strike team at the request of local law enforcement to provide field screening of suspicious barrels found dumped along the roadside



August 2024 – 6th CST dispatches a 4-person strike team at the request of TECQ and Odessa Fire Department to provide analysis of residential drinking water after runoff from a Chemical Storage facility fire.

October 2024 – 6th CST characterizes and identifies the unknown substance from a Texas Representative White powder letter.





Full Team CBRN Response

6th CST supported local fire marshal, EPA special agents, FBI WMD-C, and TCEQ at an illegal gas mixing facility (phosgene, phosphine, cyanogen chloride, hydrogen cyanide, sodium cyanide). Provided IC with plume analysis, site characterization, hazard evaluation, and identification of CWAs/TICs

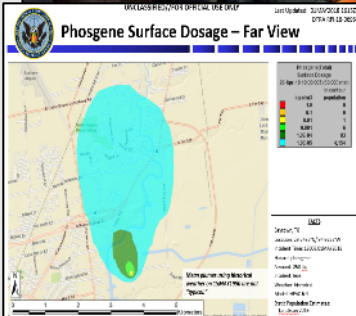
Local



State



Federal





Multi-CST Natural Disaster Response

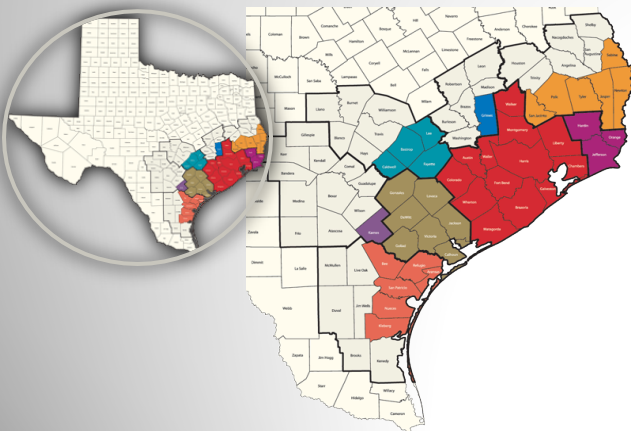


Hurricane Harvey - On August 29th the 6th WMD-CST deployed from Austin, Texas in support of Texas Commission on Environmental Quality (TCEQ) in the Corpus Christi region. The arriving agencies linked up with the U.S. Coast Guard (U.S.C.G) to operate under Emergency Support Function 10.

These agencies worked jointly to identify and assess any hazardous materials issues in the areas affected by Hurricane Harvey.



TEXAS COUNTIES AFFECTED BY HURRICANE HARVEY



Teams worked through affected counties with the 6th CST arriving in Houston on September 4th. The 61st CST (AR) assisted in recovery efforts for two weeks while the 63rd (OK) CST was on ready-reserve for the state of Texas in Austin.



Task Organization

Command

Commander

01A
O-5

Deputy

01A
O-4

First Sergeant

74D
E-8

OPs

Ops Officer

01A
O-3

Ops NCO

74D
E-7

Asst Ops NCO

00F
E-6

Survey Section

Team Leader

74A or 740A
O-3/CW3

Recon NCO

74D
E-7

Team Chief

74D
E-6

Team Chief

74D
E-6

CBRN NCO

74D
E-5 x2

CBRN NCO

74D
E-5 x2

Med / Science

Phys Asst

65A
O-4

NMSO

72D
O-3

Med Ops Off

70H
O-3

Med NCO

68W
E-7

Commo

Section Chief

25U
E-7

InfoSys

25B
E-7

DECON

Log NCO

92Y
E-7

Admin NCO

42A
E-6

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Operations Section

Function: Interface with civilian incident command system & sync efforts in support of IC objectives.

- Plume analysis & hazard model, monitor wind shift
- Meet reporting requirements to state/National Guard Bureau (NGB) Joint Operations Center (JOC)
- Maintain Common Operating Picture (COP) & incident log
- Conduct interagency coordination
- Provide Incident Commander (IC) with Executive Summary & closure packet

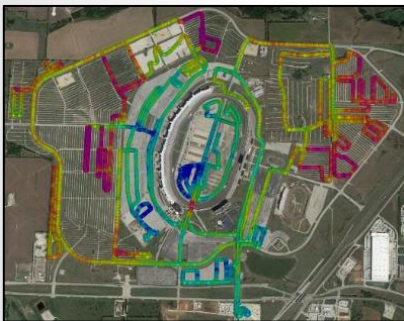
Plume Modeling



Mobile Operations Center



Background
Radiation
Monitoring





Functions and Responsibilities

- Producing and disseminating Orders in support of the IC objectives.
- Establishing and maintaining an OPCEN.
- Developing and maintaining the Common Operating Picture.
- Preparing and updating hazard prediction models.
- Liaising with the IC and their staff.
- Coordinating with local, tribal, state, and federal organizations as required.
- Defining and prioritizing mission tasks according to IC objectives.
- Producing, maintaining, and submitting documentation and required reports.
- Coordinating training and exercises.



Operations Capabilities

Tactical Operation Center (TOC)

- Command and Control
- Full voice and data across Base of Operations (BOO)
- Can run for 72 hours continuously
- Monitor downrange operations
- IC Briefings

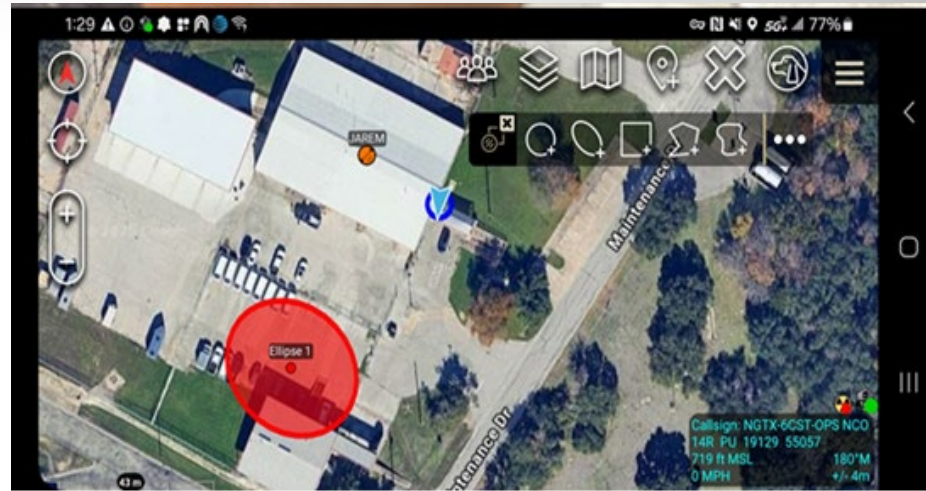




Operations Capabilities

Common Operating Picture (COP)

- Current events
- BOO
- Modeling
- Weather
- Mission Log
- ATAK
- MFK





Medical Section

Function: Provide medical and analytical lab support to the team & Incident Commander.

- Analyze health hazards and treat casualties
- Medical countermeasures & hospital evacuation coordination
- Reachback ability to state & federal medical resources and serve as technical reachback for local assets

PHYSICIAN ASSISTANT

-Emergency medicine experience with additional training in HAZMAT life support

MEDICAL OPERATIONS OFFICER

-medical evacuation planner and alternate lab operator

EMT

-Paramedic with additional CBRN medical training



Medical Response Vehicle (MRV)



ALS Overview

- Mobile Platform
- ISO 17025 Accredited
- Environmental Samples
- Qualitative Analysis
- 4 Analytical Instruments
- Class III Glovebox
- 2 Laboratory Operators





ISO 17025 Accreditation



Accredited Laboratory

A2LA has accredited

NATIONAL GUARD BUREAU 6TH WMD – CIVIL SUPPORT TEAM (TEXAS)

Austin, TX

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA R245 – *Specific Requirements – National Guard Weapons of Mass Destruction Testing Laboratory Accreditation Program*, including all requirements of A2LA R231 – *Specific Requirements – Threat Agent Testing Laboratory Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

Presented this 11th day of March 2024.



Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3074.08
Valid to April 30, 2026

For the types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.



Communications Section



ADVON + TALON IV Robot



Dismounted Strike Kit (DSK)

Function: Provide incident area interoperable communications

- Unit and IC voice and data network support
- Support common operating picture
- Reach-back access to state & federal agencies
- Interop through cross-banding frequencies
- Maintain COMSEC
- Operate UCS; maintain ADVON & DSK

All UCS Operators are certified to meet DoD Directive 8570.01M Change 3 Information Assurance Standards



Unified Command Suite (UCS)



Communications Overview

- Voice and Data hub for the unit
- Mobile Platforms
- Secure and interoperable radio communications
- SIPR/NIPR/Commercial data
- Redundant voice/data communication efforts
- Modular, can be requested separately from unit
- Multiple concurrent integrated site support



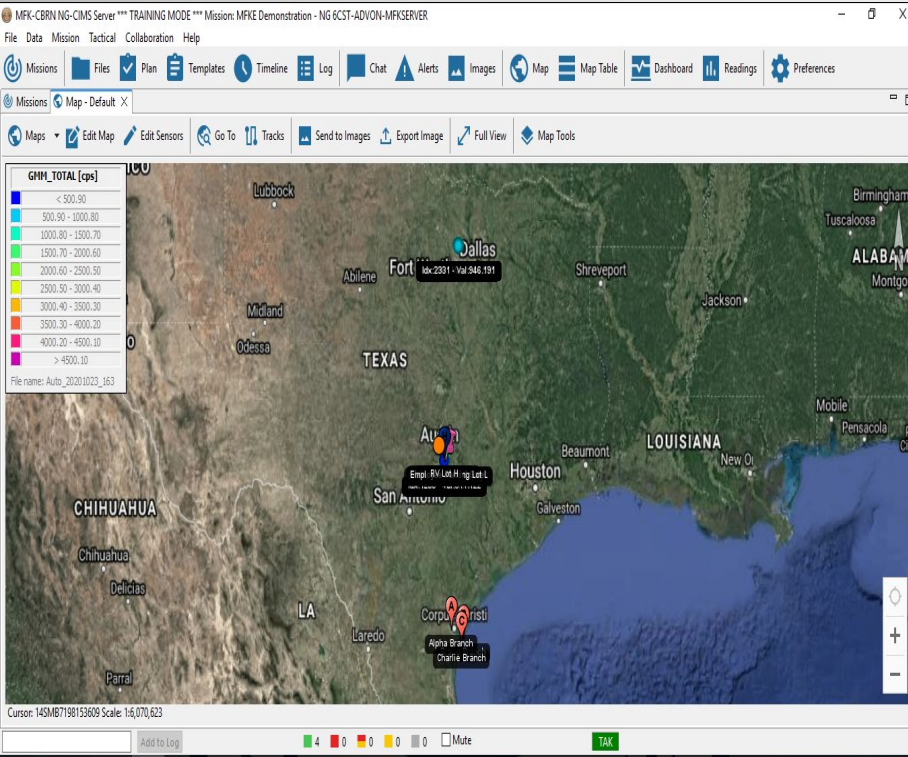


Common Operating Picture

- National Guard CBRN Response Enterprise Information Management Systems(NGCIMS)

- The Mobile Field Kit (MFK) is a tactical situational awareness tool providing sensor integration and powerful collaboration tools to increase efficacy of the team and mission effectiveness

- Android Tactical Assault Kit (ATAK)
- Navigation and communication tool
- Increases situational awareness and team efficiency
- Collaborative mapping
- location marking
- file sharing
- chat





MFK-Enterprise

- Shared URL and PIN created by CST
- Need commercial internet to view on device
- Information fed into MFK-E by CST will be viewable to user

MFK Enterprise - 6th CST - TX

Steady State Mission Planning

MFKE DEMO WEB LINK Activation

Permissions	Link Expiration
Read Only	18Apr2025 1449:18

Link Url

`https://cren-a701.cren.army.mil/mfk/#?code=NTJhZDZhZWItNjQwMCO0MDMwLTlkN2UZjAxM2VhNDc2MThk` **Copy URL**

PIN

828113 **Copy PIN**

Due to security concerns, we do not save the PIN for this link. Copy the PIN now or it will be lost and you will need to reset it.

MFK Enterprise Mission View

MFK Enterprise Web View

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MFKE DEMO

HAWKINS, ARVAL - 6th CST

Chat

Map

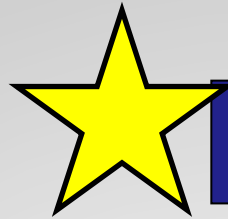
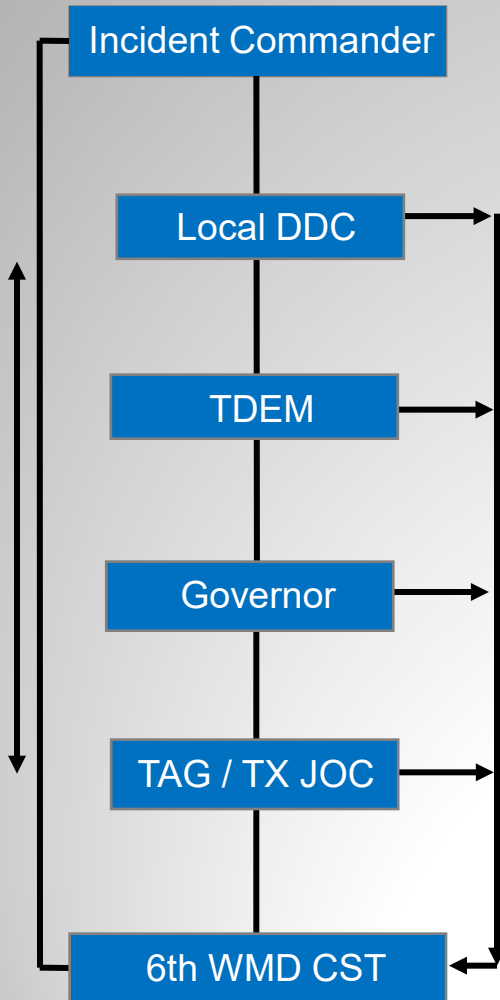
No Active Chatrooms

No chatrooms exist for the current mission. Once a chatroom is created and shared with you, it will show up here.

Austin



Requesting Capabilities



The 6th CST deploys advanced echelon no later than 90 minutes from notification

The KEY triggers for notification :

- 1) Suspected or realized WMD situation
- 2) Additional capabilities are required for response
- 3) Local or federal special security event requires standby CBRN/communications capability



STAR Request Considerations

- Uniform
- Arming
- Purpose/mission
 - Identify
 - Assess
 - Advise
 - Assist
- Doesn't need to be specific

State of Texas Assistance Request (Live) [Return To List](#) [Print / PDF](#) [Follow](#)

Requestor Information

Request No: 188-9262 (SAT)
Requestor Name: WatsonDean3794
Requestor Position: ARCC Logistics - Section Chief
Requestor Phone #: 210-375-0318
Requestor Email: dean.watson@sanantonio.gov
Requestor Signature: WatsonDean3794
Initial Request Date: 3/01/2018 14:08:22
Incident Name: 2018 03 NCAA Final 4 - Alamodome - 31MAR-02APR
Requesting Entity: DDC18B-ARCC/Bexar

Item/Mission Description

Item/Mission: 6th Civil Support Team
Qty: 1
Unit: Each
When Needed? 3/29/2018 7:53:24 PM
For How Long
Mission Description: Fully functional Civil Support Team with capabilities for extended operations. NCAA Final Four festivities will be highly attended events in San Antonio this year. This size of a gathering could be a target of terrorism. The 6th CST adds an additional layer and capability set to the robust resources of the City of San Antonio. This unit has the capability to put personnel and equipment on the ground without alerting the public or potential adversary to their presence.
Purpose of Request:

File Attachment:

Delivery Address

Destination: San Antonio Fire Station #1
515 N. Cherry Street
San Antonio, TX - 78202
/
Point of Contact: Captain Corey Towne
210-505-6809 corey.towne@sanantonio.gov

To/Following

To:
Following:

Routing Notes

Notes: Update By DDC18-ARCC-Bexar Co On 3/1/2018 14:55:52
Please forward to Texas Military Department

Cancelled Notes:

Request Status

Request Level: [Submitted to SOC](#)
Request Status: [Routing](#)

DDC Authorizing Section

Signature: Tony Gross for Capt Steven Teitez
Date / Time: 3/01/2018 14:56:57
Comments:



Survey Overview

- Operational Branch of the CST
- Scaled Appropriate Response
- Field Analytics for Chemical, Biological, and Radiation Threats
- Sampling and Field Screening
- Standby Mission Support (JHAT)





Sampling and Field Screening

- Collect samples using aseptic techniques and certified clean QS kits
- Screen for pH, radiation, KI paper and M8 paper reactivity





Detection Equipment- Chemical

- Raman
- FTIR
- IMS
- Electrochemical
- Colormetric
- GC/MS





Detection Equipment- Radiation

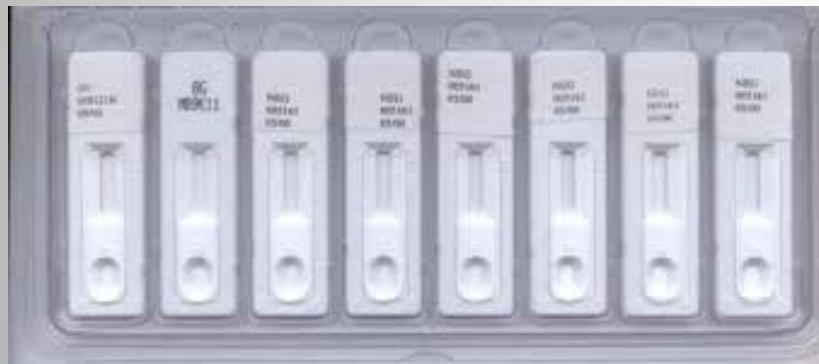
- Pancake GM
- Scintillation (NaI, LaBr, CLYC)
- Semiconductor (HpGe)
- H3





Detection Equipment- Biological

- Lateral Flow Assay
- LIF Spectroscopy





DECON Section

Function: Select, establish, & control decon corridor between hot and cold zones (warm zone)

- Establish technical decon
- Establish emergency decon with medical section
- Select decontamination solution based on hazard
- Post monitor entry personnel; prevent cross contamination
- Bag & mark hazardous waste





Detection Equipment/Capabilities



Joint Chemical Agent (JCAD)



MultiRAE



MX908



RadEye PRD-ER



Contact Information

6th WMD-Civil Support Team
Building 87, Camp Mabry, Texas
512-782-1900

MAJ Robert B. Kueber
Commander
512-233-9317
robert.b.kueber.mil@army.mil

1SG Jorge Hernandez
First Sergeant
512-233-9320
jorge.a.hernandez.mil@army.mil

MAJ Travis A. Beck
Deputy Commander
512-233-9315
travis.a.beck8.mil@army.mil

LT Carlos Rodriguez
Operations Officer
512-233-9338
carlos.g.rodriguez32.mil@army.mil