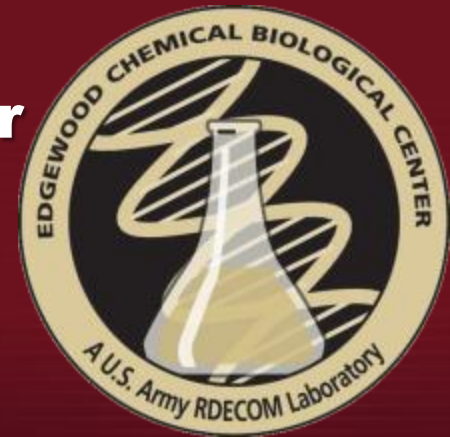




# U.S. Army Edgewood Chemical Biological Center



**TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.**

## **2012 Joint CBRN Conference Lab Directors Panel**

Joseph Wienand, Director, ECBC  
13 March 2012

Providing technical competencies for the nation's defense against CBRNE threats

## Mission

Integrate lifecycle science, engineering and operations solutions to counter CBRN threats to U.S. forces and the nation

## Technical Competencies

1. Chemistry & Bioscience of CB Warfare
2. CBRNE Materiel Acquisition
3. CB Munitions Field Operations
4. CB Analysis and Testing
5. CB Agent Handling and Surety
6. Science and Technology for the Emerging Threat

## Core Competence

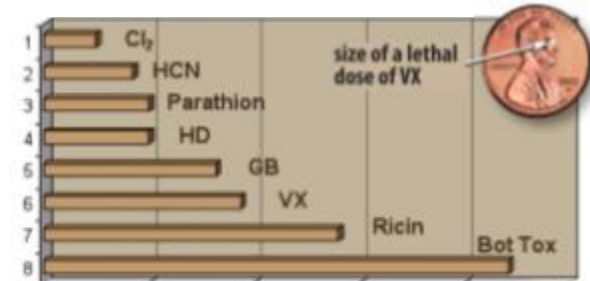
Working *safely* with chemical and biological agents in research, engineering and operations for the DoD and nation



Scientist working in an ECBC Biological Safety Level 3 Lab



ECBC operators in chemical demil facility



## Facilities

- \$1.8 billion in facilities, equipment
- 1.22 million square feet of critical laboratory and chamber space
- Over 200 buildings
- Sophisticated environmental controls
- Robotic components
- 317 chemical surety hoods
- 66 BSL-2 and BSL-3 hoods
- 3 explosive/toxic test chambers
- 30 multi-purpose mobile platforms for air monitoring
- 30 operational mobile laboratories with hoods and glove boxes

## Major Research Facilities



Advanced Chemistry Laboratory



McNamara Life Sciences Bldg.



Bioengineering Facility



Forensic Analytical Center

## Engineering & Test Facilities



Toxic Test Chambers



Aerosol Test Facilities



Berger Engineering Complex

## New, One-of-a-Kind Facilities



Standoff Detection Technology Evaluation Facility



Sample Receipt Facility



Phase II of ACL – Third Wing



Single Small-Scale Facility

- An Army RDEC living in a joint world
  - ECBC is 90% customer funded
  - ECBC's sustainment costs for infrastructure is not centrally funded
- Must be ready at a moment's notice to address enduring and emerging CBRN threats
- Maintain a state-of-the-art CBRN defense program in current fiscal climate
- STEM education
  - Encourage the nation's youth to pursue careers in science & technology, engineering, and math

# Technology Driven Warfighter Focused

# ECBC

EDGEWOOD CHEMICAL BIOLOGICAL CENTER

For more information about the Edgewood Chemical Biological Center visit  
[www.ecbc.army.mil](http://www.ecbc.army.mil)

