STATE OF THE
CHEMICAL CORPS

BG Pat Nilo
Chief of Chemical
Impacts Over the Past 13 Months

- Terrorist Attacks on Sep 11
  - Pentagon Protection
  - Homeland Security
  - CBRN Installation Force Protection

- DTLOMS
  - Successes
  - Challenges

- Requirements Generation
  - Process
  - Experimentation

- Telling our Story

- Changes in Our Direction
  - Mission
  - Equipping
  - Training
Terrorist Attacks on September 11th

Awakened the Sleeping “Dragon”
Pentagon Protection

- Chemical School response
- Chemical Corps response
- Leveraging Lessons Learned
Homeland Security

Defense of our homeland from Biological, Chemical and Nuclear/Radiological terrorism

Involvement in Civil Defense Mission since 1930’s

Over 80 Years of Service to Our Nation
Installation CBRN Force Protection

- Organized and Equipped
- Integrated Sensor Array
- Information Management

Fort to Port – Deployment Implications

US ARMY 2002
CHEMICAL CORPS
Installation Force Protection
Operational and Organizational Plan

Purpose: Provide Installation Commanders the tools to Prevent, Deter, Defend, Respond and Recover

FPCON is a function of ...

Vulnerability Assessment
Risk
Mitigation
Threat Assessment

Continuous Process
Operational Concept

Three Prong Approach

Installation Support Team

- Belongs to Installation and MTF
- Immediate Capability
- Matrix-Supported
- Limited Capability
- Tailored to Installation
- 0-24 Hours

Regional Response Team

- Located Strategically
- Compliments Capability Of MEDCOM SMART Tms And Chem-Bio Class VIII
- Follow-on Capability
- Full Time/Specialized
- More Robust Capability
- Uniform Structure
- 12-48 Hours
- SRC03 AC Unit

MEDCOM Special Medical Augmentation Response Team (SMART)

- Regionally Located
- Represent Specialties in Environmental Health, Epidemiology, Health Physics, Industrial Hygiene, Laboratory Sciences and Medicine.
- 0-12 hours.
**Doctrine**

**Successes**

- Continue to support Joint doctrine development and write Multi-Service and Army specific publications
- 74% of Corps doctrine is under revision or consolidation, expanding to 90% in FY 03
- Field and User level input and participation at Doctrinal Development Work Groups
- Warfighter Quarterly VTC’s and the Annual Conference
- Unit and CTC visits by Doctrine Writers
Doctrines

Challenges

- Force Protection & Consequence Management
  - Toxic Industrial Material
  - Multi-Service TTP’s
- Digital/Analog Interoperability
- Doctrinal Transition to Support All Operational Environments
Operational Jointness

Successes

• Multi-Service Doctrine
• Joint Discussion Forum
• Joint Senior Leaders Course (JSLC)
• Theater Air Missile Defense - Passive Defense Integration

Challenges

• Technical Reach-Back For the Joint Force
• Joint Training Sub-Panel (JTSP)
• Chemical Corps Infrastructure at Unified Commands
Training

Successes

• Emergency Assessment and Detection Course
• Weapons of Mass Destruction (WMD) courses
• CBRN Responders Training Facility

Challenges

• Adapting our “Cold War” course development, resourcing and quota management system to one that responds to today’s changing world

• Moving proponency and training for Tech Escort back under the Chemical Corps
Additional Training Successes

- Developed a Training Concept of Operations supporting CBRN Defense & Response O&O
- Changes to 6 Existing Courses
- 9 Additional Courses for DOD Responders, Commanders and Planners
- Mobile Training Team Concept
CBRN Responder Facility

Developed Concept and Received Preliminary Approval for $13.5 M - CBRN Responders Facility

- 3- 50 person classrooms
- AAR Auditorium
- Instrumented Ranges covering terrain from Urban to tunnels & caves
- Virtual Response Training Area
- Maintenance area for equipment and refilling air bottles
Leader Development

**Successes**
- TF Dragon Warrior
- Critical Task Selection Boards
- Basic Officer Leadership Course
- Incorporation of new Common Operating Environment (COE)
- Exercise OZARK Fury

**Challenges**
- Providing digital training to those leaders whose future assignments call for it
- Obtaining the resources to implement the changes necessary:
  - HAZMAT certifications
  - Unit NBC Program training facility
## Organization

### TAA 07

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**Compo 4 Increase X2**

Allocation Rules for TAA 11 Submitted
FY02 Lieutenant Accessions

Success/Challenge

• The Corps was under accessed the last ten years

• *Chemical Corps accessed 102% of target for FY02*

• One year of exceeding target is encouraging, however, it will take several more years of meeting or exceeding the LT accessions target to reverse LT shortages.
**Sergeant Shortages**

**Success/Challenge**

- PERSCOM expedited implementation of the SGT downgrade proposal from FY05 to FY03
- Proposal downgrades 113 SGT positions to SPC in CS and CSS units.
- Even with the downgrade proposal there will still be a shortage of SGTs.
- The Chemical Corps must continue to explore and develop initiatives to elevate the shortage of SGTs in MOS 54B.
CBRN Responder
Additional Skill Identifier (ASI)

Success

New ASI will be awarded to MOS 54B soldiers assigned to:

- Weapons of Mass Destruction Civil Support Teams (NG)
- Regional Response Teams (AC)
- Installation Support Teams
  - Selected Chemical Corps Unit (SRC03) soldiers (AC/RC)
Transforming Requirements Generation

TODAY
Create Integrated Concept Team

END STATE
Fielding New Systems

Develop Mission Area and Needs Analyses

Conduct Performance Demo

Operational Requirements Document

Limited Objective Experiment

US ARMY 2002
CHEMICAL CORPS
Transforming CBRN Recon Platforms

CBRN Recon Single-Platform

- JSLNBCRS
- JBPDS
- NBC Stryker
- M93/M93A1
- BIDS NDI/P3I

Develop Mission Area and Needs Analyses
Conduct Performance Demo
Operational Requirements Document
Limited Objective Experiment

US ARMY CHEMICAL CORPS

2002
Robotics: Smoke/Obscurants & Sensor Packages

- Provide Force Protection to the SBCT
- Integrate Existing Technologies
  - M56 Robotic Obscurant Platform
  - NBC Sensors
Transforming CBRN Decontamination
“FIX DECON”

TACTICAL APPROACH
- FMTV with M22 (OFTDS)
- KARCHER
- M25 CAFS System (EFT)

Performance Demo
Jul 01
Limited Objective Experiment
April 2002

STRATEGIC APPROACH
- GL1800 Global Ground Systems
- Decon Mission Module Prototype

US ARMY 2002
CHEMICAL CORPS
Professional Development/Telling Our Story

Chemical Officer’s Career Opportunities for the 21st Century

www.wood.army.mil/usaenls

Chemical Lieutenant’s Career Guide

Chemical School Brochure

FORT LEONARD WOOD MISSOURI

US ARMY 2002
CHEMICAL CORPS

Senior Enlisted Promotion Guidance

Chemical Enlisted Professional Development Guide
Our Future

- Grow from a Cold War Corps to one that supports the Objective Force and the Security of our Homeland
- Equipping/Training with state-of-the-art capabilities
- Be full spectrum response
- Adaptable to any situation
- Lead our Nation in CBRNH&O
Objective Force Chemical Warriors

- **Persuasive in Peace** (Homeland Operations)
- **Invincible in War** (Ready for Full Spectrum Combat Operations)
- **On Point for the Nation** (The focal point for DOD, Interagency, and Civil protection and response against CBRNH&O.)

Across the Spectrum of Operations

Forward to the Future