



The New EM CX – A Resource for Army Environmental & Munitions Response Needs

Environmental Engineering & Geology Division
US Army Corps of Engineers
EM CX
December 2007

Presentation Outline

- **EM CX Organization**
- **EM CX Services**
- **Guidance Resources**
- **Points of Contact**





Background

- **July 12, 2007 - USACE Deputy of Military Programs approved merger of the HTRW CX and MM CX**
- **November 11, 2007 – Military Munitions CX and the HTRW CX merged as a separate Directorate in the Huntsville Support Center**
- **New Name: Environmental and Munitions Center of Expertise (EM CX)**
- **Four Divisions- No resultant change in workforce**
- **3 Divisions located in Omaha, NE and 1 Division located in Huntsville, AL**
- **No personnel moves planned**
- **New Director TBD in early 2008**



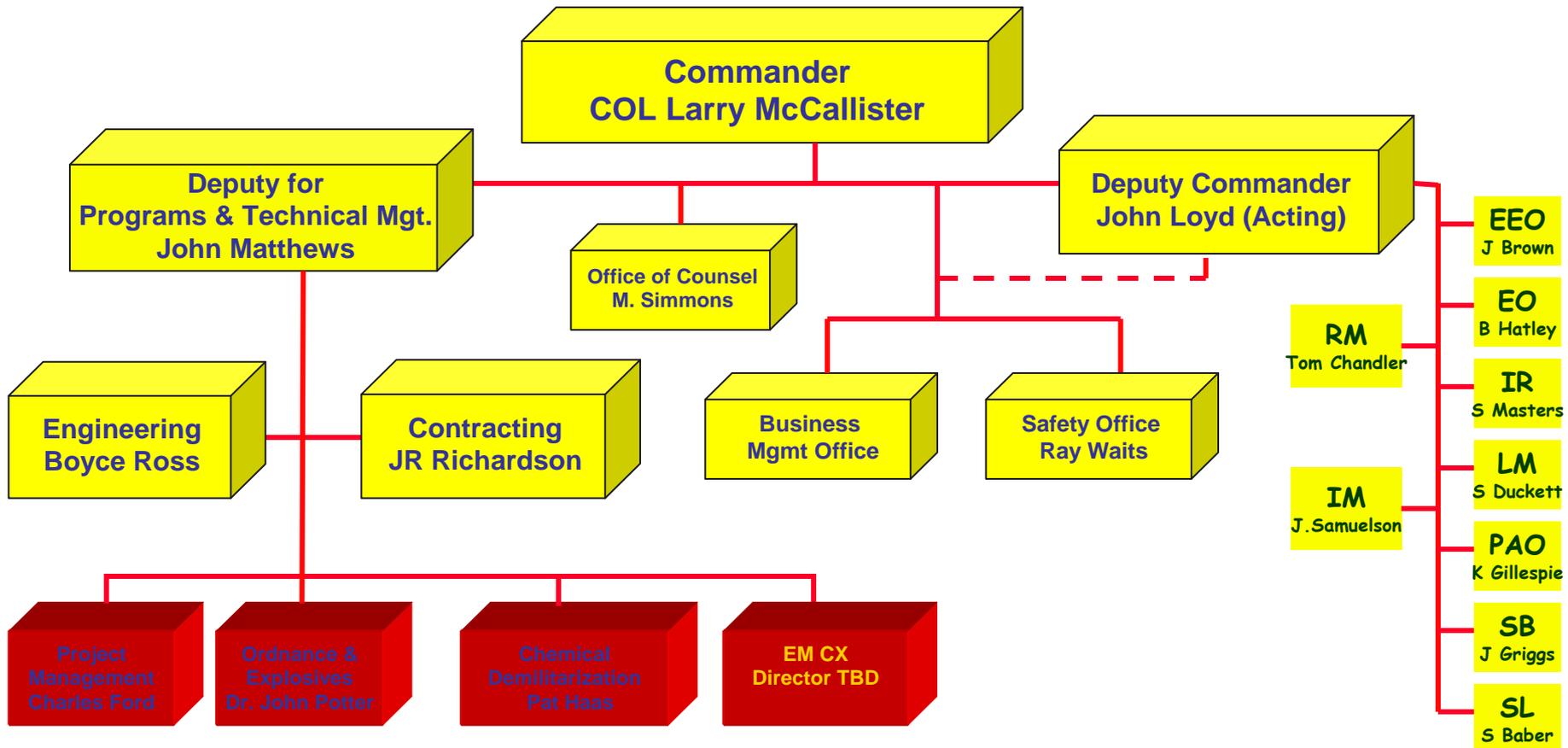
EM CX Mission

The EM CX is a team of responsive, dedicated, innovative professionals supporting USACE, the Army and the Nation's challenging environmental and munitions missions across the world. We work with our customers to attain solutions that benefit and protect the public and the environment.



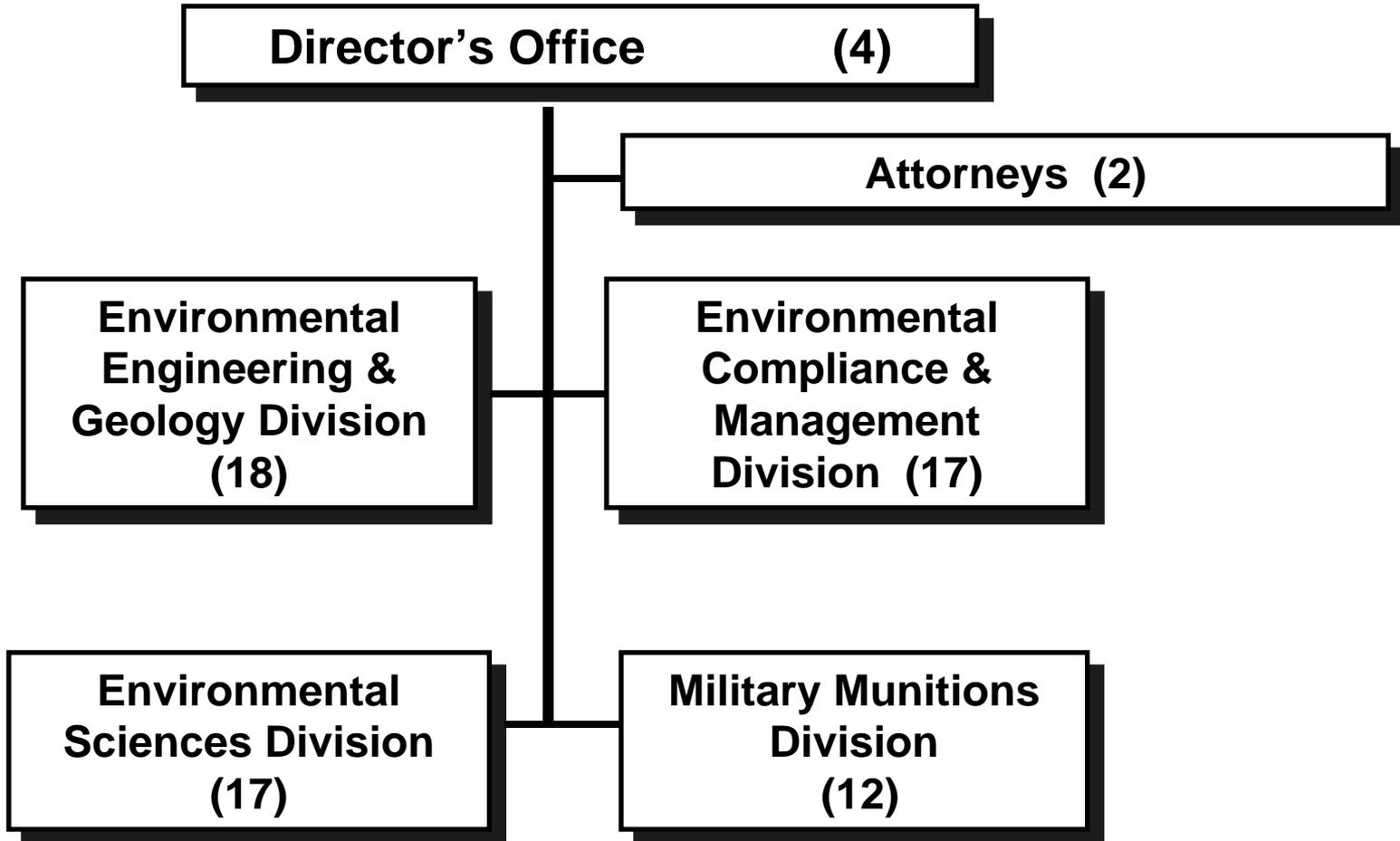


HNC Organization





EM CX Organization





EM CX Professionals

- Chemical Engineers
- Chemists
- Cost Engineers
- Civil Engineers
- Contract Specialist
- Cost Recovery Specialist
- Environmental Engineers
- Funds Managers
- Geologists
- Geotechnical Engineers
- Grants Officer
- Health Physicists
- Hydrogeologists
- Industrial Hygienists
- Innovative Technology Advocate
- Legal Support/Attorneys
- Munitions Hazards Assessors
- Munitions Safety Specialists
- Program Support Managers
- Quality Assurance Specialist
- Regulatory Specialists
- Risk Assessors



Available Services

- Acquisition Support
 - ARARS Evaluation
 - Compliance Audits
 - Cost Engineering
 - Document Review
 - Environmental Lab Data Review
 - Field Oversight
 - Five-Year Reviews
 - Remediation Systems Evaluation
 - Technical Project Consultation
 - Technical Project Planning (TPP) Facilitation
 - Used Equipment Listing
 - Training
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- <http://www.environmental.usace.army.mil/>



Compliance Audits

- **A valuable tool which can be used to:**
 - **Identify and assess environmental problems, and initiate corrective actions**
 - **Assess the quality of existing environmental management systems**
- **Many different types of Environmental Compliance Audits**
- **EM CX can assemble an expert technical team to assist you in meeting your compliance audit needs, or provide staff to augment your team**



Field Oversight

- **Quality assurance during remedial investigations and remedial action construction**
 - **Examples: oversight of drilling operations, or QA of landfill cap construction**
- **Technical assistance to resolve design or operational issues**
 - **Examples: working out the bugs during process startup, helping resolve well fouling problems, or evaluating pilot field tests**



Used Equipment

- **ebaY** for used remediation equipment
- Equipment listings are posted on the EM CX web site:
http://www.environmental.usace.army.mil/used_equipment.htm
- EM CX web site can be used to post equipment that you would like transferred, or to post inquiries for equipment that you need for your project



(402) 697-2580



Available Training

- **Class room style USACE courses**
 - <http://pdsc.usace.army.mil/CrsScheduleNewFy.aspx>
 - Everything from regulatory compliance courses to restoration/cleanup courses
- **EM CX On-site or Internet-based workshops**
 - Tailored to meet the needs of the customer
 - Topics include site characterization, environmental monitoring/chemical data quality management, remediation techniques, performance & optimization reviews, health, safety & risk assessment, cost engineering, and environmental regulations & record keeping
 - Nominal cost to cover course development, labor and travel for EM CX instructors
- **Interstate Technology & Regulatory Council (ITRC) Internet-based training:**
<http://www.itrcweb.org/ibt.asp>



Technical Guidance

- Resources for technical environmental and munitions related guidance include:
 - Official USACE guidance available at:
<http://www.usace.army.mil/publications/>
 - EPA regulations and guidance:
<http://www.epa.gov/regulations/guidance/bytopic.html>
 - Interstate Technology & Regulatory Council (ITRC) guidance:
<http://www.itrcweb.org/>
- EM CX technical staff participate in development of USACE, EPA, and ITRC guidance

