

Maryland Defense Agency Profile

Edgewood Chemical Biological Center (ECBC)



5183 Blackhawk Rd
Aberdeen Proving Grounds, MD 21010
410-436-7118

[Website](#)

Director: Dr. Eric L. Moore, Ph.D.

Parent Unit: U.S. Army Combat Capabilities Development Command (DEVCOM)

Branch: U.S. Army

Employees: 1,822

History & Mission: Over the last 100 years the Edgewood Chemical Biological Center (ECBC) has been at the forefront of protecting our Warfighters and our Nation from the potentially devastating effects of chemical or biological attack. Since its inception, ECBC made tremendous leaps in technology, from detectors the size of a small refrigerator to small plastic kits that identify potentially deadly agents, and from gas masks needing bulky external filters to integrate clothing items that enhance a Soldier's capability.

ECBC's mission is to provide innovative chemical, biological, radiological, nuclear and explosive (CBRNE) defense capabilities to enable the Joint Warfighters' dominance on the battlefield and interagency defense of the homeland. ECBC supports all phases of the acquisition life cycle from basic and applied research through technology development, engineering design, equipment evaluation, product support, sustainment, field operations and demilitarization to address its customers' unique requirements. The Center is currently developing better ways to remotely detect these chemical and biological materials – before the warfighter or first responder ever enters the threat zone. It is also developing a new generation of technologies to counter everything from homemade explosives to biological aerosols to traditional and non-traditional chemical hazards. The unique role in technology development cannot be duplicated by private industry or research universities.

Directorates

[Research and Technology \(R&T\)](#)

[Engineering](#)

[Program Integration](#)

Federal Facilities Profile

Edgewood Chemical Biological Center (ECBC)

Offices and Contacts

ADMINISTRATION

Dr. Eric Moore, Director
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Aberdeen Proving Ground, MD 21010-5424
410-436-5500

CORPORATE COMMUNICATIONS OFFICE

Building E3330, Room 228
8198 Blackhawk Road
410-436-7118
usarmy.apg.devcom-cbc.mbx.communications-office@mail.mil

CONTRACTING

US Army Contracting Command-Aberdeen Proving Ground (Edgewood Contracting Division)
Bldg. E4215 Austin Road
Aberdeen Proving Ground, MD 21010-5401

Research and Technology (R&T) Directorate

The R&T Directorate specializes in the research and development of innovative technological solutions to solve chemical and biological defense threats to our nation—both abroad and on the homeland. R&T is funded by many government and private-industry agencies for scientific research and development work, including the Department of the Army, Department of Defense, the Federal Bureau of Investigation, Centers for Disease Control and Prevention, and the Environmental Protection Agency.

410-436-2262

[Website](#)

Engineering Directorate

The directorate specializes in engineering, technical and acquisition capabilities that bring solutions from concept to development—through design, prototyping, and experimentation, to full-service CB testing, to fielding, training and sustainment.

The team is comprised of nearly 500 engineers, scientists, technicians and acquisition professionals with an unmatched depth of expertise and institutional knowledge in protection, detection and decontamination systems and materiel. The directorate operates several unique laboratories and facilities, including an all-inclusive CBRNE Product Development Facility and MakerSpace, and the only surety chamber in the world that allows entire systems to be immersed and tested against emerging threats.

[Website](#)

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Field and Deployment Operations

A deployable lab services provide near real-time detection of airborne contaminants using automated continuous monitoring systems that satisfy site-specific requirements. It provides fully functional, transportable laboratories provide critical onsite analysis of air, water and soil samples utilizing state-of-the-art analytical instrumentation to monitor for chemical and biological warfare agents, as well as their breakdown products. In addition, the Center installs, operates and maintains a broad range of engineering-controlled vapor containment shelters, as well as decontamination, neutralization and destruction systems. The subject matter experts also sustain CB filtration systems used in surety laboratories and field operations.

[Website](#)

Tech Transfer Office

The Edgewood Chemical Biological Center's (ECBC) team of experienced scientists, engineers and technicians routinely develop and refine new and innovative technologies, many of which may assist not only the warfighter but also other government entities, industry and academia. As part of its mission, ECBC offers a broad range of chemical/biological (CB) services and the use of its cutting-edge facilities through its technology transfer program.

Office of Research and Technology Applications
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[Technology Transfer](#)