



U.S. Army Research, Development and Engineering Command

Edgewood Chemical Biological Center

CHEMICAL TRANSFER FACILITY | CTF

The U.S. Army Edgewood Chemical Biological Center's (ECBC) Chemical Transfer Facility (CTF) is the single repository for the Army's research and development stock of toxic chemical agents.

The CTF was designated as the only U.S. declared Single Small Scale Facility under the Chemical Weapons Convention (CWC). As such, this facility is the only location within the US where chemical compounds defined by the treaty can be produced in amounts greater than 100 mls per year.

The CTF team is also responsible for the receipt, triage, and screening of "unknowns." An initial risk assessment is performed, and samples are characterized so that they can be properly routed for additional analysis.

Chemical agents stored at the CTF are used to conduct defensive research and development throughout the Department of Defense (DoD) and several contractors who are permitted to use the agents. This research is imperative to maintaining an effective defensive posture against the new world chemical threat.

In support of this mission, personnel are responsible for agent preparation through synthesis or purification, packaging and shipment of neat and dilute agent throughout the DoD. Dilute agent is provided

to all stockpile sites within the U.S. Army Chemical Materials Agency for use in their low-level monitoring programs. The CTF is also permitted by the Maryland Department of the Environment for the storage and treatment of hazardous substances.

The CTF team is a major contributor to the U.S. chemical agent disposal program. All chemical agents used in their studies are prepared and shipped from the CTF. Bench scale as well as large volume neutralization experiments can be conducted by team personnel at the CTF. In support of the Project Manager, NonStockpile Chemical Materiel and the Installation Restoration Program at Aberdeen Proving Ground (APG), the team has conducted drill and drain operations on non-explosively configured munitions currently stored at APG.

CTF personnel are extensively trained in areas such as safety and health, proper use and application of personal protective equipment, hazardous materials packaging/transportation laws and regulations, ammunition safety, storage and handling, environmental compliance (state and federal), CWC Treaty Compliance, surety and security management and toxic/first aid.

The CTF will continue to receive, triage, sample and screen "unknowns" until the Sample Receipt Facility is fully operational in 2011.

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