



RECOVERED CHEMICAL MATERIEL DIRECTORATE FACT SHEET

LARGE ITEM TRANSPORTABLE ACCESS AND NEUTRALIZATION SYSTEM

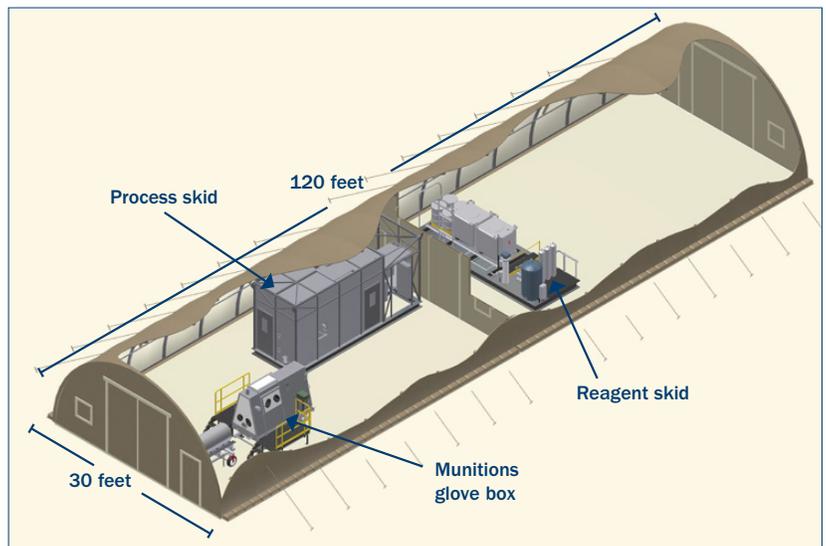
The Large Item Transportable Access and Neutralization System (LITANS) is being designed to treat large recovered chemical warfare materiel items.

LITANS, developed by the U.S. Army Chemical Materials Agency Non-Stockpile Chemical Materiel Project (NSCMP), now Recovered Chemical Materiel Directorate (RCMD), complements the Explosive Destruction System (EDS). Although EDS can treat items such as 75 mm rounds, 4.2-inch mortars and Livens projectiles, it cannot treat large recovered chemical warfare materiel (RCWM) items, such as 500- and 1,000-pound bombs and one-ton containers filled with chemical agent. LITANS will serve as a backup to the EDS for treating large RCWM items that are not explosively configured.

Located within an environmental enclosure, LITANS consists of three subsystems: a munitions glove box, a process skid and a reagent skid. All subsystems are mounted on individual trucks or heavy equipment hauling trailers, making them ready for transport at any time.

Inside the munitions glove box, operators access the item and sample the chemical agent fill without having to touch the item. Operators transfer agent from the munition into a 575-gallon reactor for neutralization. Next, workers drain waste neutralant from the reactor into waste drums on the reagent skid. Operators then ship these waste drums to a permitted disposal facility for final treatment.

The system successfully completed developmental and operational testing with both simulated 500- and 1,000-pound phosgene (CG) filled bombs in October 2007. LITANS received limited operational readiness approval for treating CG filled 500-pound (M-78) and 1,000-pound (M-79) bombs in April 2008.



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U.S. ARMY CHEMICAL MATERIALS ACTIVITY | RECOVERED CHEMICAL MATERIEL DIRECTORATE
E4585 HOADLEY ROAD | ABERDEEN PROVING GROUND, MARYLAND 21010
PHONE: 410-436-4292 | WWW.CMA.ARMY.MIL

