



US Army Engineering & Support Center
Huntsville, Alabama

Ordnance & Explosives Innovative Technology Program

PROJECT: Contained Detonation Chamber Destruction of Smokes, Incendiaries, and Irritants

TEAM MEMBER:

PROJECT DESCRIPTION: This project is to test the viability of using the T-10 Contained Detonation Chamber (CDC) to destroy smoke (other than white phosphorus), incendiary, and irritant filled munitions. The tests were completed in March 2005. The primary purpose is to test the explosives safety aspects of destroying these types of munitions in the T-10 CDC. Limited environmental testing was also done.

POTENTIAL TECHNOLOGY APPLICATIONS: The T-10 CDC is currently approved for destruction of conventional high explosive munitions 105 mm and smaller and white phosphorous filled munitions 81mm and smaller with total net explosive weight (munition and donor combined) not to exceed 13 lbs. If successful, these test results will be used to amend the explosives safety submission and, when approved, the T-10 CDC can be used to destroy smoke, incendiary, and irritant filled munitions as well as high explosive munitions.

FUTURE WORK: The test report and an amendment to the explosives safety submission is expected to be complete in FY 06.

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