



Program Executive Office
Assembled Chemical Weapons Alternatives

MEDIA TOOLKIT

H 155MM Projectile Campaign

Blue Grass Chemical Agent-
Destruction Pilot Plant

Updated: April 26, 2023

Historic Video Footage: Completed Destruction Campaigns at the Blue Grass Chemical Agent-Destruction Pilot Plant

The Blue Grass Chemical Agent-Destruction Pilot Plant, known as BGCAPP, is safely destroying the chemical weapons stockpile stored at the Blue Grass Army Depot near Richmond, Kentucky.

The following video clips show historic footage of the Explosive Destruction Technology facility housing the Static Detonation Chamber. Portions of the following video clips are blurred in accordance with Department of Defense guidelines.

Blue Grass Chemical Agent-Destruction Pilot Plant Explosive Destruction Technology Completed H 155mm Projectile Operations in September 2021

Explosive Destruction Technology Facility: This facility, housing a Static Detonation Chamber unit, destroyed Kentucky's mustard agent munitions. Mustard agent destruction operations began June 7, 2019, and were completed on Sept. 4, 2021.

- Munitions delivery (0:00 - 0:15)
 - Munitions are delivered in an Enhanced On-site Container (EONC) before being unloaded at the Explosive Destruction Technology Facility.
 - The EONCs are containers designed to safely transport the chemical munitions from their monitored storage on the Blue Grass Army Depot to the Blue Grass Chemical Agent-Destruction Pilot Plant for destruction.
- Munitions movement (0:15 - 0:30)
 - Munitions handlers use a lift-assist crane to move 155mm projectiles filled with mustard agent from a pallet to feed boxes in preparation for destruction.
- Rotating band removal (0:30 - 0:38)
 - Munitions handlers use metal snips to remove the rotating band from a projectile and place it inside the box to be processed in the Static Detonation Chamber (SDC).
 - Should there be a sentence here explaining what this is?
- Box sealing and marking (0:38 - 0:56)
 - Munitions handlers use a lift-assist crane to lower a projectile into the cardboard box before sealing it closed and marking it in preparation for destruction.
- Munitions elevator (0:56 - 1:14)
 - Boxes containing the projectiles are transported to the top of the SDC using an elevator.
 - At the top, the box is transferred to the chamber vessel by the Airlock Feed Conveyor.
- SDC (1:14 - 1:30)
 - The Explosive Destruction Technology Enclosure Building holds an SDC unit. This equipment used thermal destruction technology to safely destroy Kentucky's mustard munitions stockpile.
- Recycled munitions (1:30 - 1:36)

- Once munitions are destroyed, the decontaminated scrap metal bodies exit the SDC on a conveyor and are stored in roll-off bins in preparation for transport for recycling at a permitted facility.