



Program Executive Office
Assembled Chemical Weapons Alternatives

MEDIA TOOLKIT

Blue Grass Chemical Agent-
Destruction Pilot Plant

Updated: Nov. 12, 2020

Video Footage: Blue Grass Chemical Agent-Destruction Pilot Plant Operations

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 the Explosive Destruction Technology facility housing the Static Detonation Chamber.

Blue Grass Chemical Agent-Destruction Pilot Plant Explosive Destruction Technology Started Operations in June 2019

Explosive Destruction Technology Facility: This facility, housing a Static Detonation Chamber unit, is destroying Kentucky's mustard agent munitions. Agent destruction operations began June 2019. By September 2020, 50% of the mustard munitions were destroyed. Editor's Note: Portions of the following video clips are blurred in accordance with Department of Defense guidelines.

- 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.
- 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 boxes in preparation for processing.
- Rotating ban removal (0:30-0:38)
 - Munitions handlers use metal snips to remove the rotating ban from the projectile and place it inside the box to be processed in the Static Detonation Chamber (SDC).
- Box sealing and marking (0:38-0:56)
 - Munitions handlers use a lift-assist crane to lower the projectile into the cardboard box before sealing it closed and marking it in preparation for processing.
- 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 a SDC unit. This equipment uses thermal destruction technology to safely destroy Kentucky's mustard munitions stockpile.
- Recycled munitions (1:30-1:36)
 - Once munitions are destroyed, the decontaminated scrap bodies exit the SDC on a conveyor and are stored in roll-off bins for recycling.