



**MISSION: DESTROY CHEMICAL WEAPONS STOCKPILE**  
**VISION: CHEMICAL WEAPONS FREE BY 2023**

## PROGRAM EXECUTIVE OFFICE, ASSEMBLED CHEMICAL WEAPONS ALTERNATIVES (PEO ACWA)

### Overview

PEO ACWA, headquartered at Aberdeen Proving Ground, Maryland, is a U.S. Department of Defense (DOD)-managed Major Defense Acquisition program tasked with the safe and environmentally compliant destruction of the remaining 10 percent of the original U.S. chemical weapons stockpile. Located respectively at the U.S. Army Pueblo Chemical Depot (PCD) in Pueblo, Colorado and the Blue Grass Army Depot (BGAD) near Richmond, Kentucky, PEO ACWA's destruction facilities are the Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) and Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP). Additionally, PEO ACWA maintains a supporting field office on the Anniston Army Depot in Anniston, Alabama. Stockpile destruction operations will be completed by the Dec. 31, 2023, Congressionally-mandated destruction deadline.

### CONNECT WITH ACWA

For PEO ACWA news and information, visit our website at [www.peoacwa.army.mil](http://www.peoacwa.army.mil). For an overview of the program, watch the [U.S. Chemical Weapons Destruction 2018](#) video on the ACWA YouTube channel.

**Sign Up**

Sign up for *Connect with ACWA* e-newsletters.

**SUBSCRIBE**

Subscribe to PEO ACWA's YouTube channel for notifications of live streaming Citizens' Advisory Commission public meetings.

For more information, contact Katherine DeWeese at (410) 436-3398 or [katherine.b.deweese.civ@mail.mil](mailto:katherine.b.deweese.civ@mail.mil).



#### BLUE GRASS CHEMICAL AGENT-DESTRUCTION PILOT PLANT

Original Stockpile

**523**

U.S. Tons of Blister and Nerve Agent in Projectiles and Rockets

**Location:** Blue Grass Army Depot, Kentucky  
**Technologies:** Neutralization/Supercritical Water Oxidation  
 Static Detonation Chamber

#### PEO ACWA HEADQUARTERS

**Location:** Edgewood Area of Aberdeen Proving Ground, Maryland

#### PUEBLO CHEMICAL AGENT-DESTRUCTION PILOT PLANT

Original Stockpile

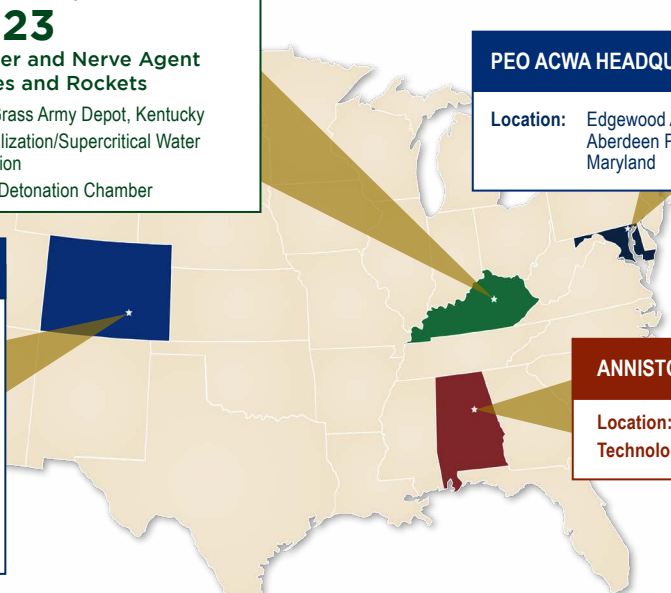
**2,613**

U.S. Tons of Blister Agent in Projectiles and Mortar Rounds

**Location:** U.S. Army Pueblo Chemical Depot, Colorado  
**Technologies:** Neutralization/Biotreatment  
 Explosive Destruction System  
 Static Detonation Chamber

#### ANNISTON FIELD OFFICE

**Location:** Anniston Army Depot, Alabama  
**Technology:** Static Detonation Chamber





## PUEBLO CHEMICAL AGENT-DESTRUCTION PILOT PLANT (PCAPP)

### PCAPP Overview

PCAPP is destroying 2,613 U.S. tons of the blister agent mustard contained in artillery projectiles and mortar rounds at PCD using neutralization followed by biotreatment or an Explosive Destruction Technology. In 2003, PEO ACWA selected the Bechtel Pueblo Team as the systems contractor responsible for the design, construction, systemization (testing), pilot testing, operation and closure of the pilot plant. On Sept. 7, 2016, PCAPP entered pilot testing and began agent destruction operations. A total of 620.6 U.S. tons of mustard agent and 106,283 projectiles have been destroyed from the stockpile in Pueblo, as of March 1, 2019. Operations will conclude by 2023.

For more information and a snapshot of recent activities at PCAPP, please watch the following video:

[!\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1\_img.jpg\) Colorado Chemical Weapons Destruction: 2018 Year in Review](#)

### PCAPP Explosive Destruction Technology

The Static Detonation Chamber (SDC) was selected to destroy problematic munitions unsuited for processing by the main plant's automated disassembly systems. SDC construction and pre-systemization activities continue. The Army's Explosive Destruction System destroyed problematic munitions in Pueblo from 2015 to 2018.

For more information on SDC, please watch the following video:

[!\[\]\(6059a5aa8b4ca7bb793408023d6c6e42\_img.jpg\) Static Detonation Chamber: How it Works](#)

### BGCAPP Overview

BGCAPP will destroy 523 U.S. tons of the nerve agents VX and GB (Sarin) and blister agent mustard stored in rockets and projectiles using neutralization followed by supercritical water oxidation or an Explosive Destruction Technology. In 2003, the Bechtel Parsons Blue Grass team was awarded a systems contract to design, construct, systemize, pilot test, operate and close the facility.

The main plant, where the nerve agent munitions will be destroyed, continues systemization (testing) with operations beginning in 2019 and concluding by 2023.

For more information and a snapshot of recent activities at BGCAPP, please watch the following video:

[!\[\]\(f60b7a900783ac3fd531bfd9c111be6d\_img.jpg\) Kentucky Chemical Weapons Destruction: 2018 Year in Review](#)

### BGCAPP Explosive Destruction Technology

The SDC was selected to destroy Kentucky's mustard agent stockpile of more than 15,000 munitions. A 2011 X-ray assessment confirmed the solidification of mustard agent in a number of 155mm mustard projectiles stored at BGAD, rendering them unsuitable for automated processing in the main plant. SDC systemization activities continue with operations beginning in 2019.

For additional information on SDC, please watch the following video:

[!\[\]\(83bbbd261710c59db0214aa27b2edc0d\_img.jpg\) Static Detonation Chamber Increases Workforce Safety](#)

### Static Detonation Chamber



*A shift plant manager steps up a staircase next to the Static Detonation Chamber at the Blue Grass Chemical Agent-Destruction Pilot Plant.*



## BLUE GRASS CHEMICAL AGENT-DESTRUCTION PILOT PLANT (BGCAPP)

