

PEO ACWA

A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION



Program Executive Office
Assembled Chemical Weapons Alternatives

2015 – The Transition to Operations: An ACWA Progress Report 21-23 July 2015

Presented to:

NDIA Annual CBRN Defense Conference
and Exhibition

Presented by:

Conrad F. Whyne
Program Executive Officer



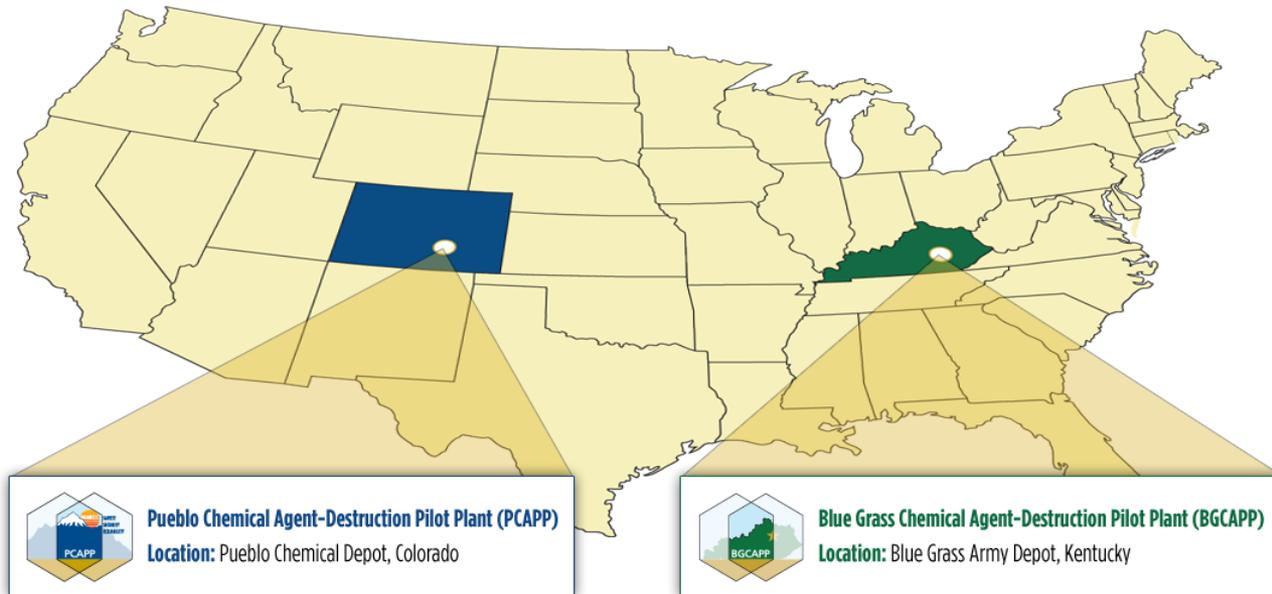
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Greetings from ACWA



Today's Agenda:

- Video: *U.S. Chemical Weapons Destruction: Progress in Motion*
- ACWA Program Overview and Schedule
- Retaining Chemical Demilitarization Experience
- Current Status
- Moving Forward





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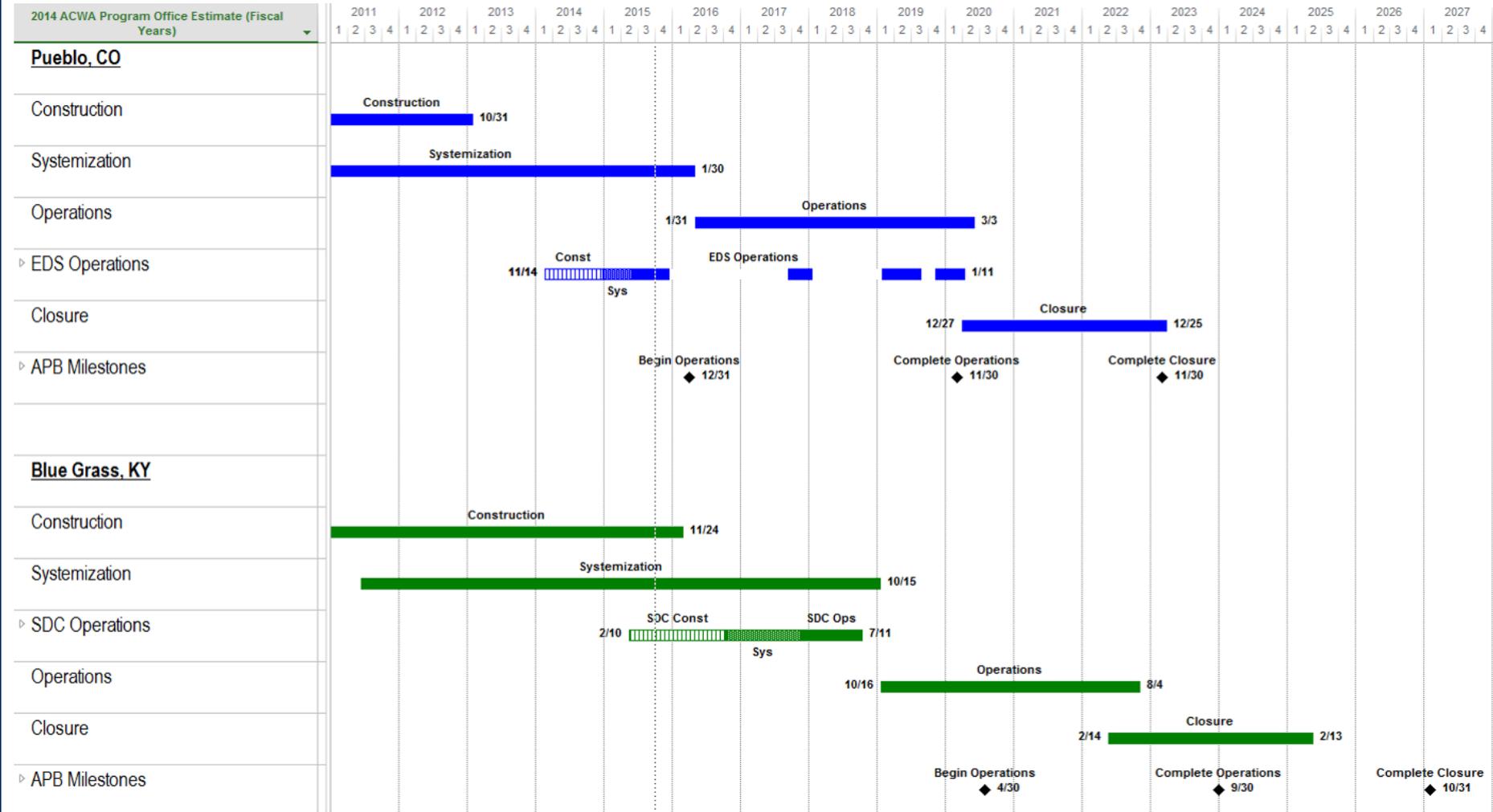
Progress in Motion





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ACWA Program Baseline Schedule





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Leadership Additions Ensure Long-Term Success



Mr. Don Barclay,
Deputy Program
Executive Officer



Mr. Joe Novad,
Technical Director

News

Home → News → ACWA Leadership Team Grows: New Deputy Joins, Technical Director Position Added

ACWA Leadership Team Grows: New Deputy Joins Technical Director Position Added

Posted on February 25, 2015

Staffing changes at the Program Executive Office, Assembled Chemical Weapons Alternatives (PEO ACWA) headquarters are increasing depth of experience as the organization continues to prepare for chemical weapons stockpile destruction near Pueblo, Colorado and Richmond, Kentucky.

Don Barclay, who most recently served as U.S. Army Chemical Materials Activity director, has joined the team full time as deputy program executive officer (PEO). Barclay was previously the site project manager at the Umatilla Chemical Agent Disposal Facility in Oregon and was also responsible for U.S. Army support to PEO ACWA.

Joe Novad, who previously served as deputy PEO, will assume a new role as the ACWA technical director, with primary responsibilities in the areas of risk management and systems engineering.

"These actions permit Don to devote his attention to getting the ACWA plants operating, something with which he has plenty of experience," said PEO Conrad F. Whyne. "Joe's role as technical director retains the critical ACWA institutional memory and allows him to be that set of vigilant eyes the program needs to manage the constantly evolving technical risks and opportunities."

Whyne said he remains focused on the success of the program, and the senior staff changes help align the organization with that goal.



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Pueblo Chemical Agent-Destruction Pilot Plant Current Status



Destruction Technology:
**Neutralization/
Biotreatment**



Explosive Destruction
System Operations Began:
March 2015



Pilot Plant Construction
Status: **100% Complete**



Pilot Plant Operations Begin:
2016



Pilot Plant Systemization
Status: **85% Complete**



Anticipated End of
Destruction Operations:
2019

PCAPP

As of June 2015

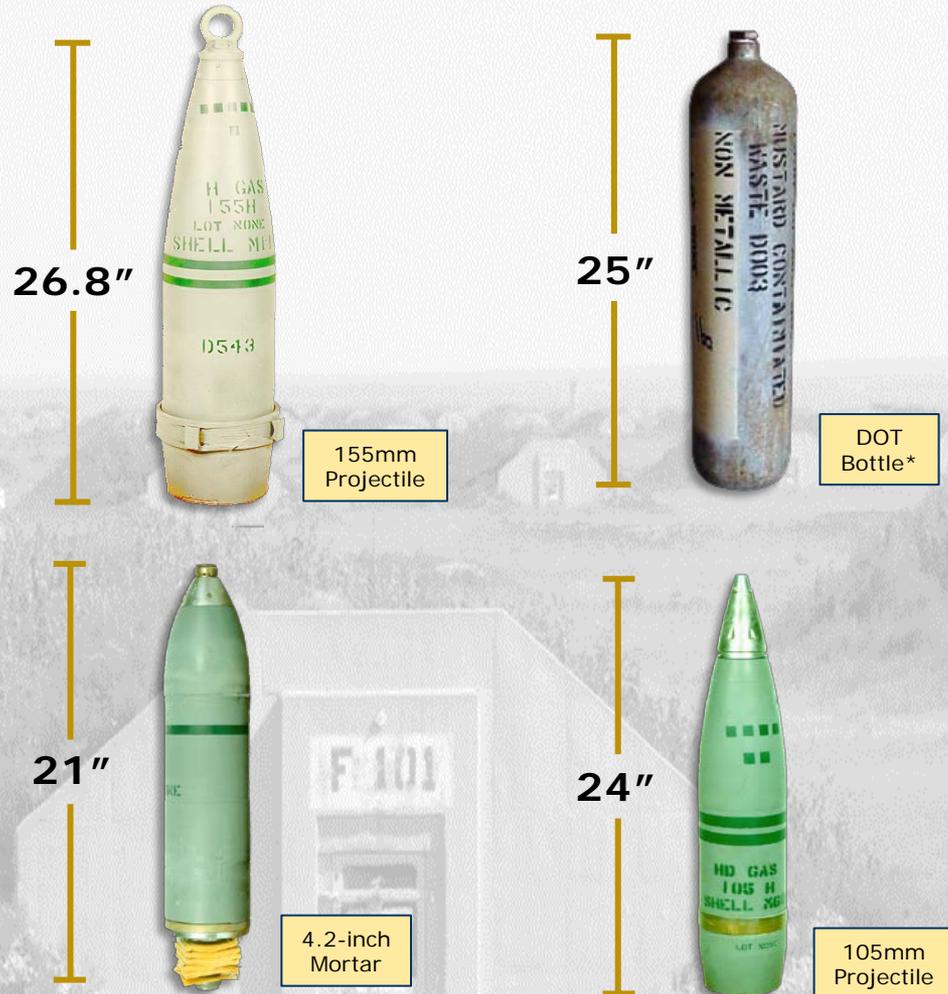


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Pueblo Chemical Weapons Inventory



| Munition | Agent Type | Destroyed As of 30 June 2015 |
|------------------|------------|------------------------------------|
| 4.2-inch Mortar | HD | -- |
| 4.2-inch Mortar | HT | 21 |
| 105mm Projectile | HD | 234 |
| 155mm Projectile | HD | -- |
| DOT Bottles* | H/HD/HT | 10 |
| Total | | 265 (0.51 U.S. tons) |



* Department of Transportation Bottles are not included in the original declaration quantities, since they contain samples/waste from declared stockpile.



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Blue Grass Chemical Agent- Destruction Pilot Plant Current Status



Destruction Technology:
**Neutralization/
Supercritical Water
Oxidation**



Static Detonation Chamber
Operations Begin: **2017**



Pilot Plant Construction
Status: **96% Complete**



Pilot Plant Operations Begin:
2020



Pilot Plant Systemization
Status: **31% Complete**



Anticipated End of
Destruction Operations:
2023

BGCAPP

As of June 2015



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Blue Grass Chemical Weapons Inventory



| Munition | Agent Type |
|-------------------|------------|
| M55/M56 Rocket | GB |
| M55/M56 Rocket | VX |
| 8-inch Projectile | GB |
| 155mm Projectile | VX |
| 155mm Projectile | H |





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Static Detonation Chamber: Mission



Anniston's Static Detonation Chamber (SDC) will:

- Be used to train Blue Grass Chemical Agent-Destruction Pilot Plant's Static Detonation Chamber personnel
- Dispose of Pueblo Chemical Agent-Destruction Pilot Plant uncontaminated energetics





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Moving Forward



Blue Grass Chemical Agent-Destruction Pilot Plant construction complete



Start of main plant operations at Pueblo Chemical Agent-Destruction Pilot Plant



Start of Static Detonation Chamber operations at Blue Grass Chemical Agent-Destruction Pilot Plant



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Questions?



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