PEO ACWA QUARTERLY BRIEF

Program Executive Office
Assembled Chemical Weapons Alternatives

April – June 2014

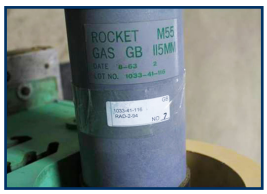
Paving the Way to the Start of Explosive Destruction System Operations

With site construction now under way at the U.S. Army Pueblo Chemical Depot, teams have taken a giant step toward the start of Explosive Destruction System, or EDS, operations slated to begin this fall. What started as a simple concrete slab will soon support a state-of-the-art site that will house two EDS units. When construction of the site is complete, the system will augment the Pueblo plant's automated equipment by destroying a small number of problematic munitions, including those that have leaked in the past and are now securely overpacked, as well as future "rejects," which have deteriorated physical conditions that prevent safe automated processing.

Read: "Paving the way to PCAPP EDS"

Watch: "PCAPP Explosive Destruction System: Site Construction Under Way"

Blue Grass Chemical Activity Experts Complete Safe, Efficient Rocket Motor Separation Operation



Specially-trained Blue Grass Chemical Activity personnel successfully separated a total of 42 M55 rocket motors from their warheads as part of an M55 Rocket Motor Separation Operation between March and May 2014. This operation was conducted to support propellant analyses to validate rocket propellant stability and determine best practices for continued safe storage and future demilitarization. Teams prepared for this activity for more than a year to ensure a successful operation.

Read: "Rocket Motor Separation Update, May 2014"

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Backup Power Supply System Arrives at the Blue Grass Plant

Procurement specialists, engineers and construction managers collaborated to design, factory test, ship, receive and place one of the last major systems at the Blue Grass plant — the Standby Diesel Generators. The design of the Blue Grass chemical weapons destruction plant includes many features to address any contingency and ensure safe plant operations, including the Standby Diesel Generators. The generators will supply electrical power in the event of a power outage, and allow the plant to progress through a safe and orderly shutdown of chemical munitions processing until primary power is restored. Testing of the generators will begin later this summer to ensure the system is ready for operations.

Watch: "Backup Power Supply System Arrives at the Blue Grass Plant"

When it comes to Static Detonation Chamber Technology, Seeing is Believing

Members of the Kentucky Chemical Demilitarization Citizens' Advisory Commission's Explosive Destruction Technology Working Group recently took a trip to Anniston, Ala., to get a first-hand look at Anniston's Static Detonation Chamber, or SDC, which is the same explosive destruction technology selected to destroy the entire Blue Grass mustard stockpile. During their tour, the group observed SDC operations and spoke with Anniston system operators who explained equipment and answered questions. Stakeholders said they were impressed with the functionality, safety and environmental protection of the equipment and felt confident in the selection of the SDC for use at the Blue Grass plant.

Read: "BGCAPP Stakeholders Take a Field Trip to View Future Destruction Equipment"

Watch: "Proven Technology to Fulfill Mission at Blue Grass"

Helping to Make Chemical Weapons History: A Timeline of the ACWA Program

A new video highlights key milestones in the ACWA program's history, from its establishment by Congress, through research and development of alternative technologies, toward the goal of safe and environmentally sound destruction of the remaining U.S. chemical weapons stockpiles.

Watch: "Timeline of Key Milestones for the ACWA Program"

PLANTS AT-A-GLANCE

Blue Grass Chemical Agent-Destruction Pilot Plant

- Destruction technology: **Neutralization/ Supercritical Water Oxidation**
- Construction complete: **84%**
- Systemization complete: **19%**
- Operations begin: **2020**
- Explosive Destruction Technology operations begin: **2017**
- Local project employment: **1,489**
- Local payroll paid to date: **$581 million**
- Anticipated end of destruction operations: **2023**

Pueblo Chemical Agent-Destruction Pilot Plant

- Destruction technology: **Neutralization/ Biotreatment**
- Construction complete: **100%**
- Systemization complete: **56.8%**
- Operations begin: **2015**
- Explosive Destruction Technology operations begin: **2014**
- Local project employment: **1,034**
- Local payroll paid to date: **$816 million**
- Anticipated end of destruction operations: **2019**

ABOUT PEO ACWA

The Program Executive Office, Assembled Chemical Weapons Alternatives headquartered at Aberdeen Proving Ground, Md., is responsible for managing the safe and environmentally sound destruction of the chemical weapons stockpiles stored at the Blue Grass Army Depot in Kentucky and the Pueblo Chemical Depot in Colorado.

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