

Monthly Status Briefing

June 2016



Blue Grass Chemical Agent-Destruction Pilot Plant



Program Executive Office
Assembled Chemical Weapons Alternatives



BGCAPP
Blue Grass Chemical
Agent-Destruction Pilot Plant

www.peoacwa.army.mil



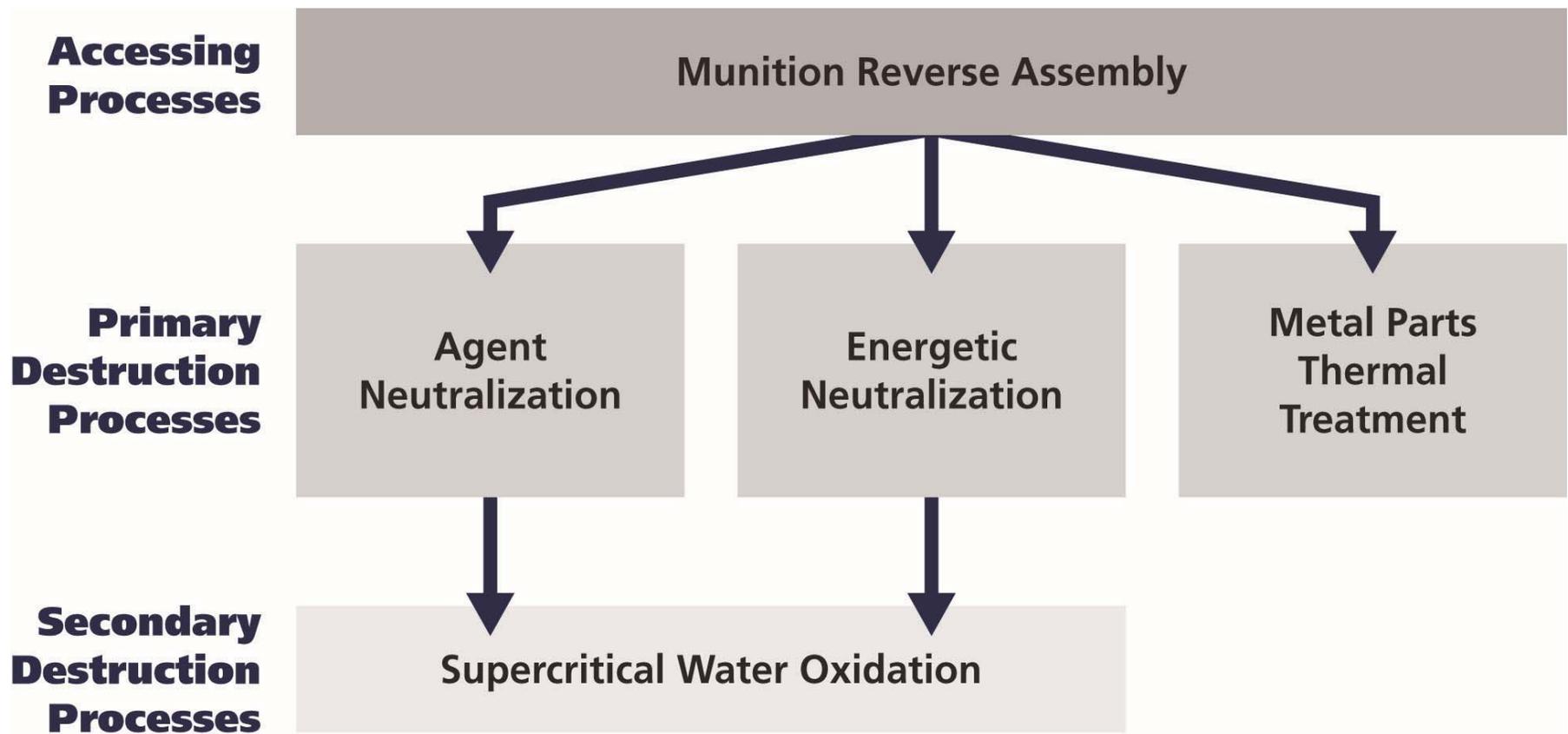
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

Project Background

- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.
- The main plant technology selected by the Department of Defense to destroy the Blue Grass VX and GB (Sarin) nerve agent weapons stockpile is neutralization followed by supercritical water oxidation.
- The technology selected by the Department of Defense to destroy the Blue Grass mustard (H) agent weapons stockpile is Explosive Destruction Technology (EDT), specifically the Static Detonation Chamber, or SDC.
- The Program Executive Office, Assembled Chemical Weapons Alternatives, headquartered at Aberdeen Proving Ground, Maryland, is responsible for managing all aspects of the safe and environmentally sound destruction of the chemical weapons stockpiles in both Kentucky and Colorado.
- The Bechtel Parsons Blue Grass Team, a joint venture of Bechtel National Inc. and Parsons Government Services Inc., along with teaming partners AECOM, Battelle, General Atomics and GP Strategies Corporation, is the systems contractor selected to design, build, systemize, pilot test, operate and close BGCAPP.

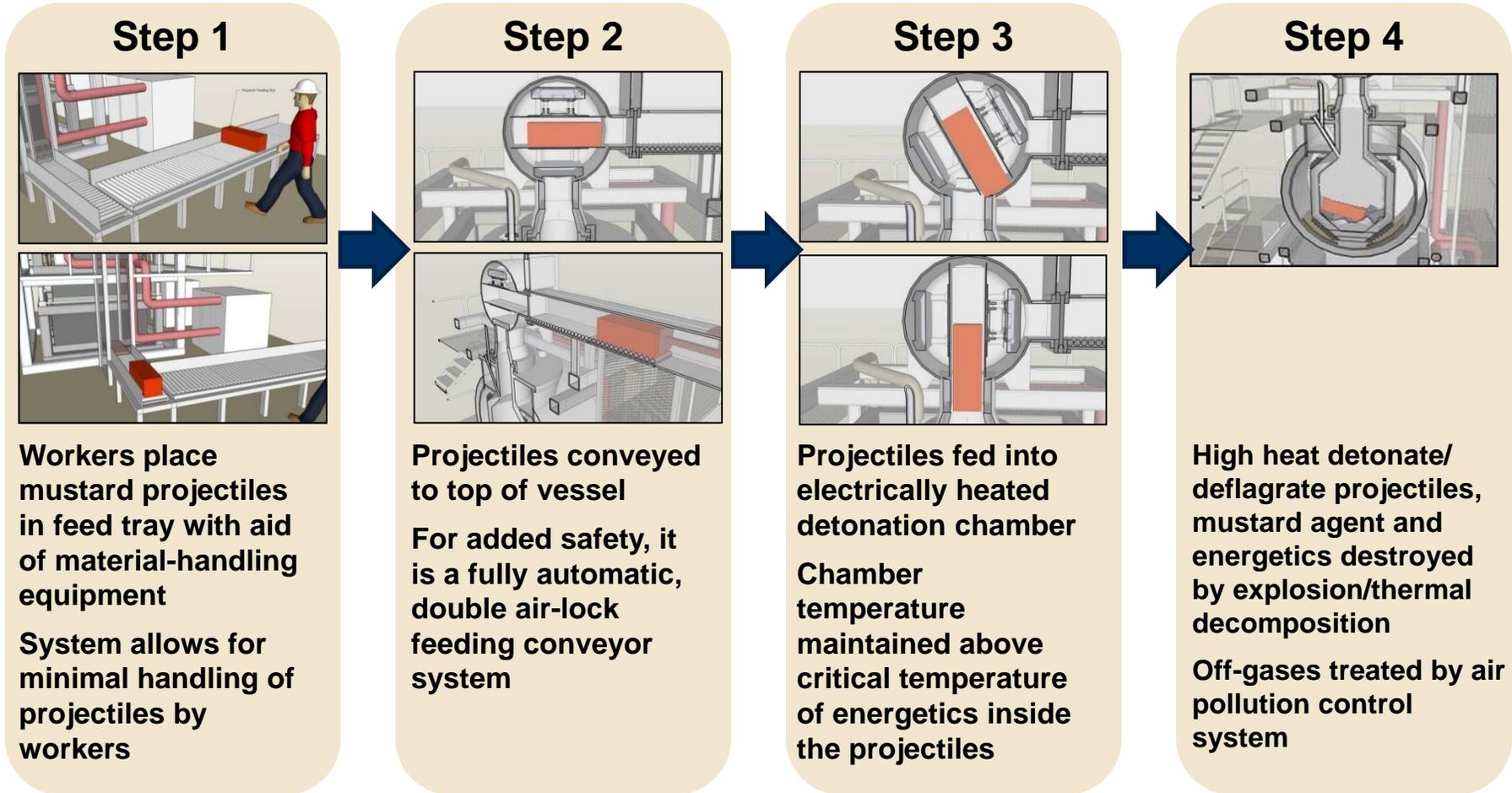
Main Plant Destruction Technology

Neutralization followed by supercritical water oxidation will be used to destroy the nerve agent weapons stockpile.

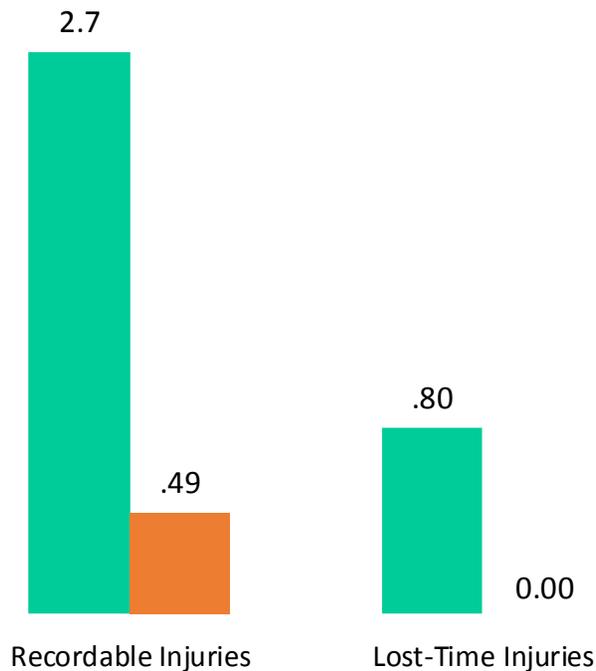


Explosive Destruction Technology

SDC will be used to destroy the mustard agent weapons stockpile.



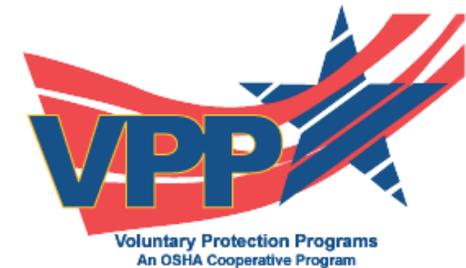
Safety



- Safety remains a core value of the project workforce
- Re-certified Occupational Safety and Health Administration Voluntary Protection Program Star Status site
- Lost-time injury rate is **100 percent lower** and recordable injury rate is **82 percent lower** than industry average
- As of May 31, 2016, the project has completed 6,482,149 and 762 days without a lost-time accident

■ Construction Industry
■ Bechtel Parsons

(12-month rolling rate)
Accidents per 200,000 job hours



Current Project Staffing

- **Total project employment—941**
- **Richmond, Kentucky—932**
 - Local hires—**25.5 percent**
- **Other locations—9**
 - Pasadena, California
 - San Francisco, California



A member of the special projects team removes a lock out, tag out notice on an instrument air conduit inside the Munitions Demilitarization Building.

Economic Impact

- **Acquisitions to date**
 - \$160.1 million spent with Kentucky companies
 - \$94.3 million spent in Madison and surrounding counties
- **Payroll to date**
(includes nonmanual and craft)
 - \$823 million of local payroll paid



A contractor terminates electrical connections inside a heat trace control panel.

BGCAPP Progress



- 1 Personnel Maintenance Building**
- 2 Medical Facility**
- 3 Hydrolysate Storage Area**
- 4 Control and Support Building**
- 5 Munitions Demilitarization Building (MDB) Filter Banks**
- 6 MDB**
- 7 Container Handling Building**
- 8 EDT Facility Site**
- 9 Utility Building**
- 10 Supercritical Water Oxidation Building**
- 11 Maintenance Building**
- 12 Personnel Support Building**
- 13 Laboratory Building**



Main Plant Progress

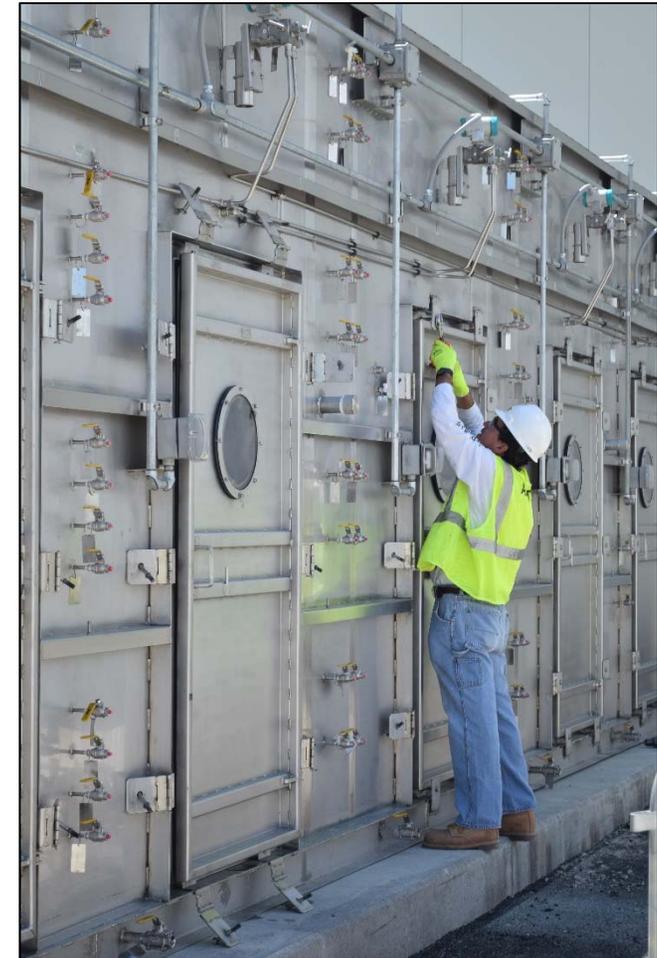


Left: A member of the special projects team tightens bolts on an access point on a compressed air tank. Right: An electrician installs conduit in the Explosive Containment Vestibule inside the Munitions Demilitarization Building. Systemization at the main plant stands at 53 percent complete.

EDT Facility Site Progress



Left: The emergency water tank skid stands inside the Explosive Destruction Technology (EDT) Enclosure Building (EEB), the last large equipment skid to be installed. Right: A worker removes clamps on the IONEX 16000 air handling filter system housing after the unit was placed outside of the EEB. EDT construction now stands at 75 percent complete.



Stakeholder Involvement: Blue Grass Chemical Activity



Chemical Materials Activity Director Col. Nathaniel Farmer, center, passes the flag to incoming Blue Grass Chemical Activity Commander Lt. Col. Scott Gould as Lt. Col. Andrew “Jack” Morgan, departing commander, watches during a change of command ceremony at the Armed Forces Reserve Center June 9.

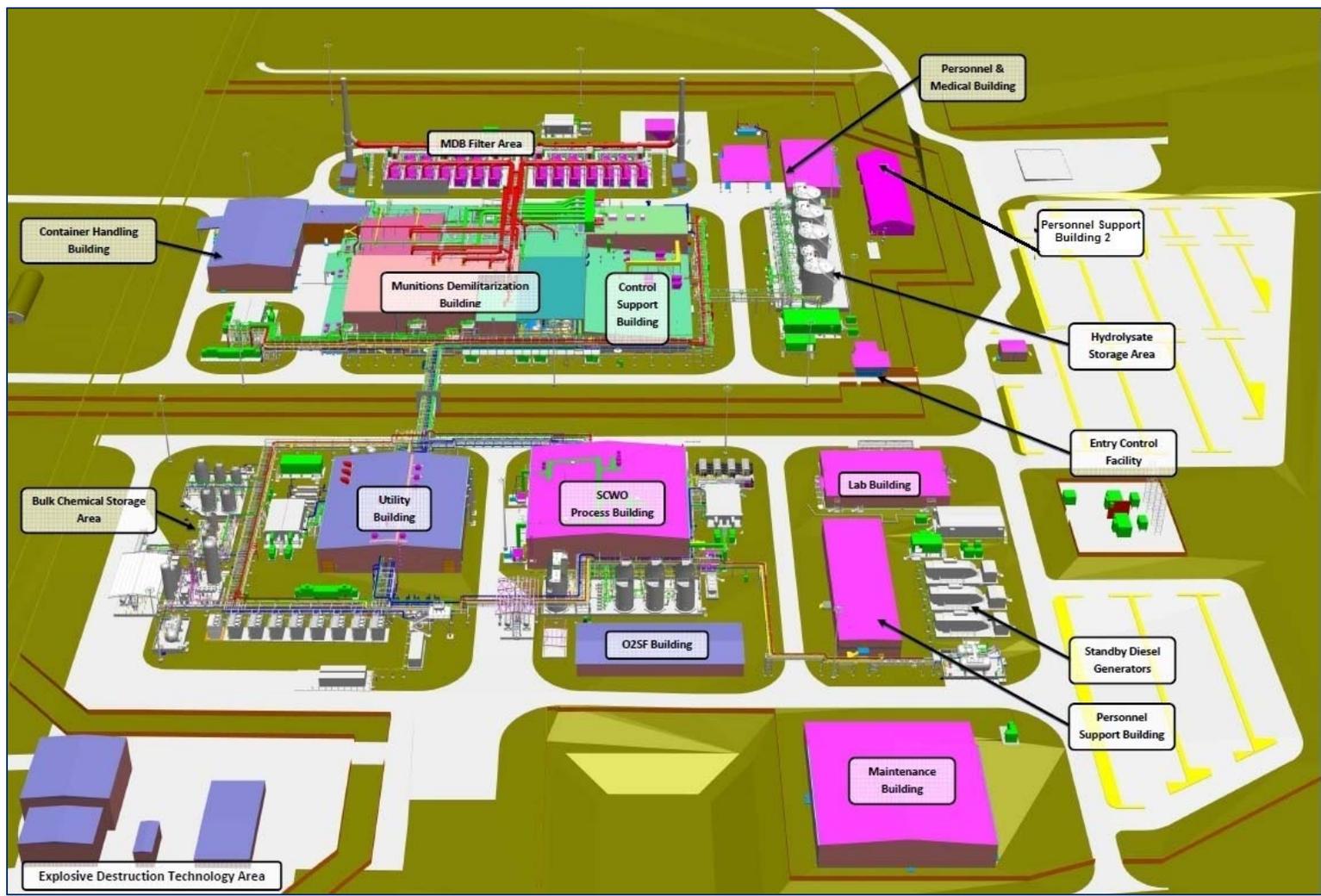
Community Involvement



Left: Thousands of athletes and family members attend the opening ceremony for the Kentucky Special Olympics Summer Games. Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) personnel supported the ceremony and several athletic events. Right: Cancer survivors walk during the annual Relay for Life event in Richmond, Kentucky. The BGCAPP team participated in the event and raised more than \$5,000 to support cancer research.



Blue Grass Chemical Agent-Destruction Pilot Plant



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Program Implementation
Approved Contract Response Alternatives

