

Monthly Status Briefing

April 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



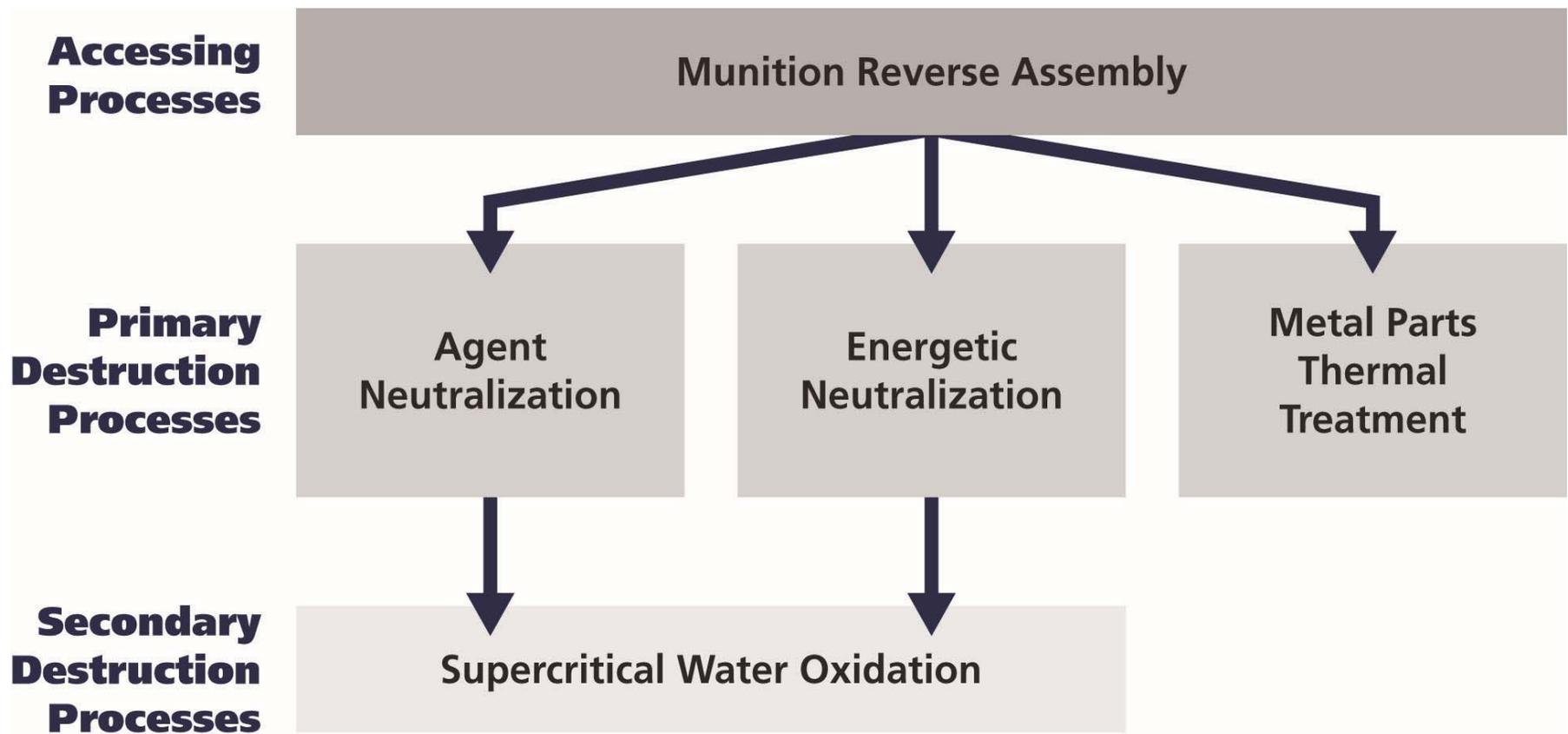
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

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.

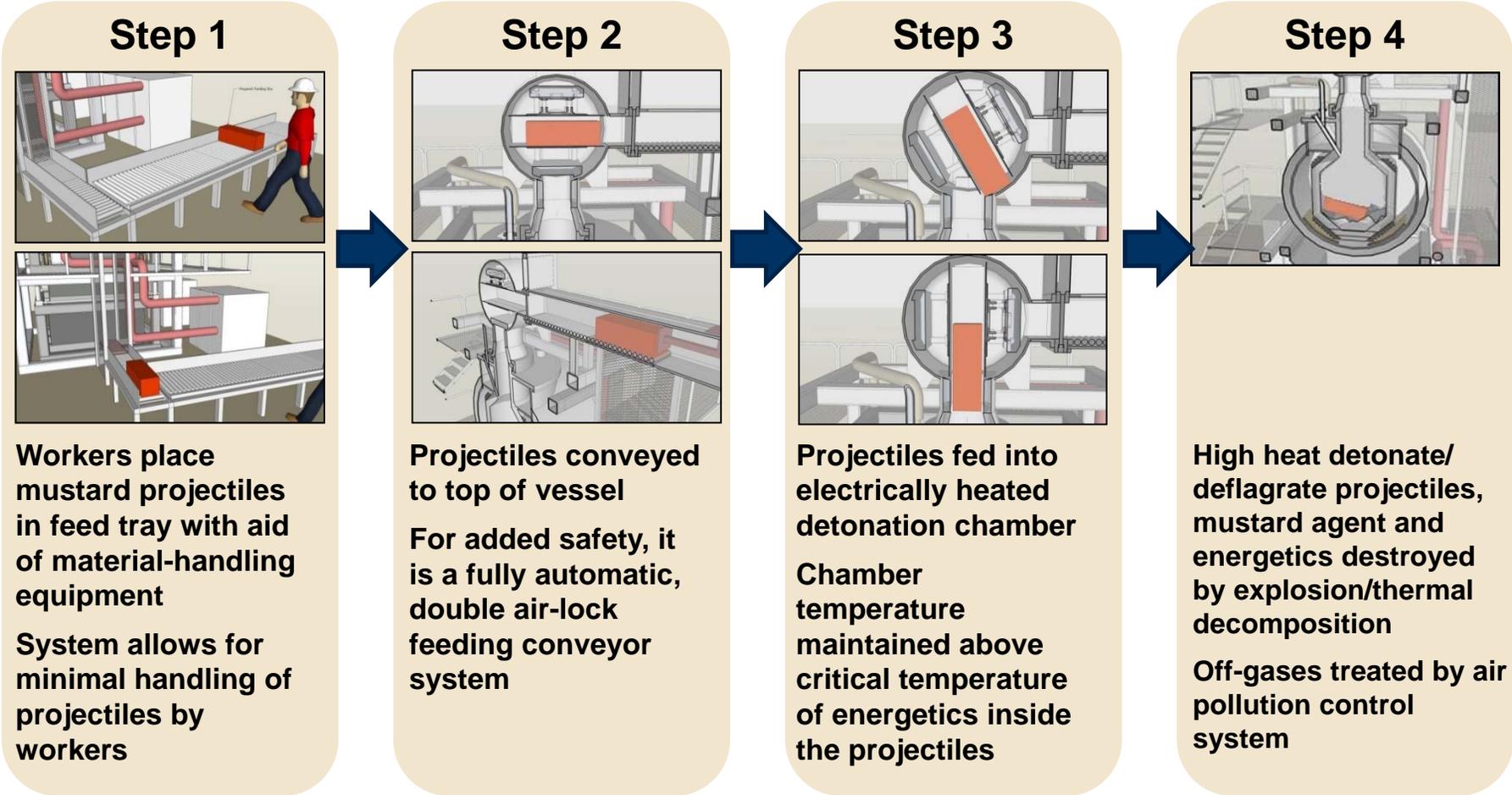
Main Plant Destruction Technology

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

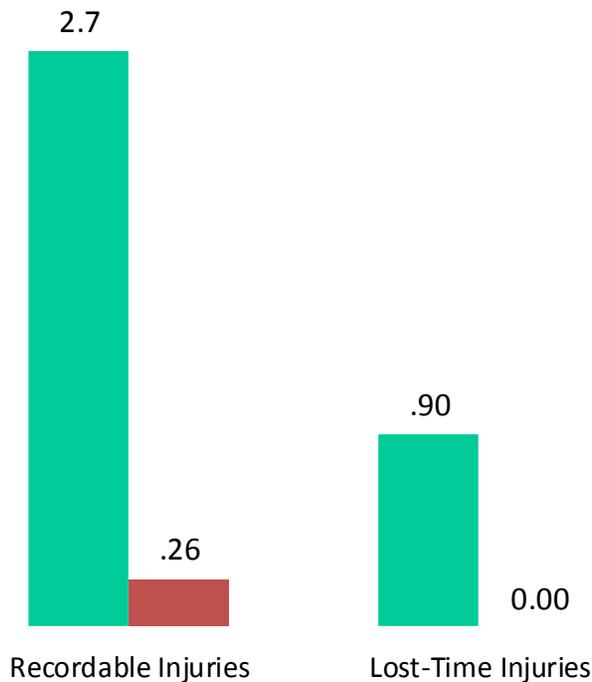


Explosive Destruction Technology

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 **87 percent lower** than industry average
- As of March 31, 2016, the project has completed 6,060,093 hours and 701 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—898**
- **Richmond, Kentucky—890**
 - Local hires— **24.5 percent**
- **Other locations—8**
 - Pasadena, California
 - San Francisco, California



A painter applies the first of two finish coats of a chemical-resistant paint on brackets inside the Munitions Demilitarization Building.

Economic Impact

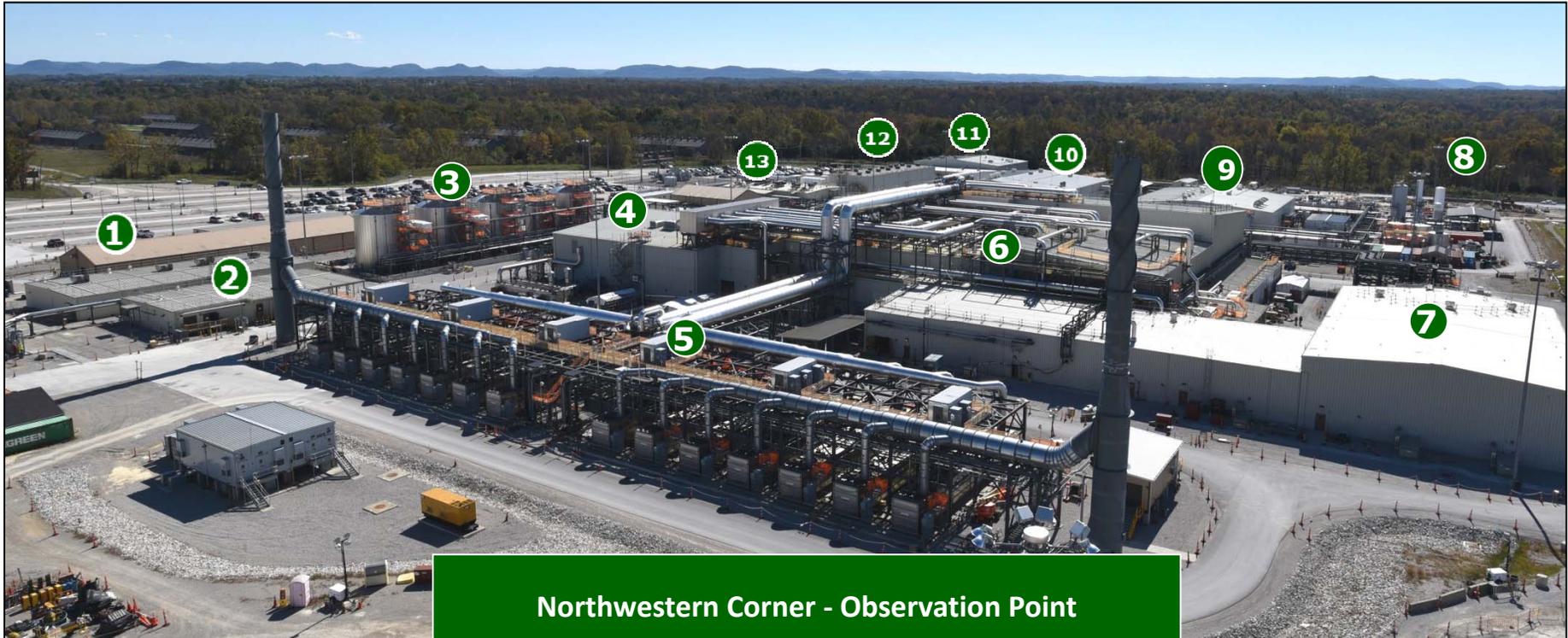
- **Acquisitions to date**
 - \$156.1 million spent with Kentucky companies
 - \$91.6 million spent in Madison and surrounding counties

- **Payroll to date**
(includes nonmanual and craft)
 - \$813 million of local payroll paid



A start-up team member examines a sensor that regulates a gate in the Explosive Containment Room.

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:



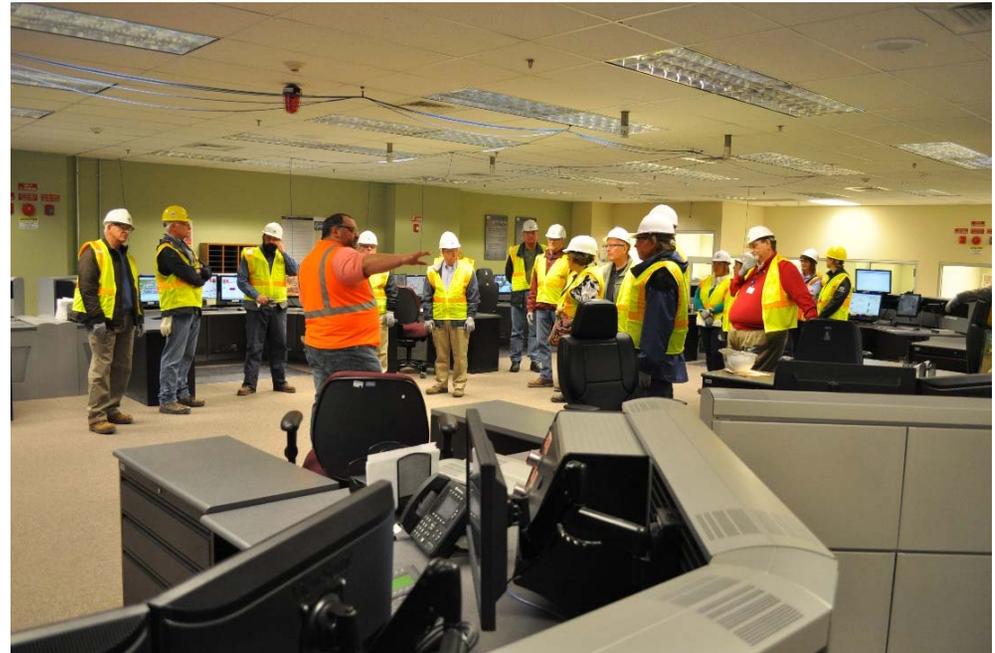
Left: A worker delivers equipment to the new Blue Grass Chemical Agent-Destruction Pilot Plant Medical Facility. The facility, functional 24-hours a day, is currently available to treat occupational injuries. Right: Members of the neutralization team verify instrumentation for systems controls inside the Energetics Batch Hydrolyzer room. Systemization at the main plant stands at 48 percent complete.

EDT Facility Site Progress



Left: Workers prepare to move the Static Detonation Chamber inside the Explosive Destruction Technology (EDT) Enclosure Building. Above: Contractors prepare to set the torque on a transformer panel outside of the EDT Service Magazine. EDT stands at 71 percent complete.

Stakeholder Involvement: Chemical Stockpile Emergency Preparedness Program



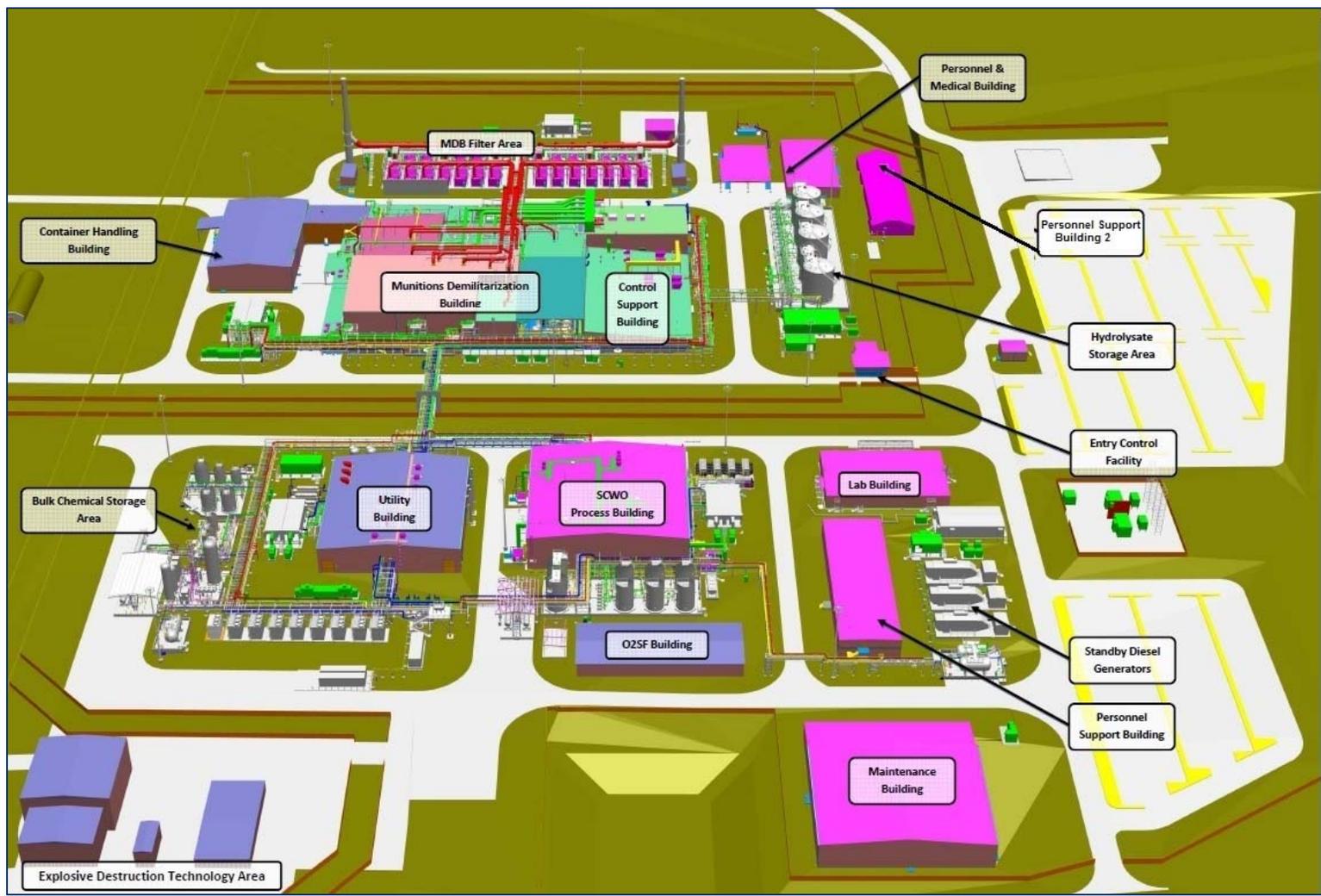
Officials from the Clark County Chemical Stockpile Emergency Preparedness Program (CSEPP) toured the Blue Grass Chemical Agent-Destruction Pilot Plant in April. The primary goal of CSEPP is to educate and enhance emergency preparedness in communities surrounding the chemical stockpile slated for destruction. At left, Jeff Krejsa, deputy site project manager, provides information in the Munitions Washout area of the Munitions Demilitarization Building. Above: the group listens to details regarding the Control Room.

Community Involvement



Left: Kentucky Lt. Governor Jenean Hampton speaks at a Women's Veterans Luncheon at Eastern Kentucky University (EKU). The luncheon, to recognize servicewomen at the school, was sponsored by Bechtel in cooperation with EKU's Office of Military Affairs. Right: Cheyenne Olson, Sustainable Berea, shares plans for the Victory Garden Blitz with Lowes team members and Bechtel Parsons Blue Grass (BPBG) workers. Lowes and BPBG supported the event with contributions and volunteers. More than 100 raised bed gardens were delivered and installed in Berea in one April weekend.

Blue Grass Chemical Agent-Destruction Pilot Plant



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Program Implementation
Approved Contract Response Alternatives

