

# Monthly Status Briefing

*March 2010*



Blue Grass Chemical Agent-  
Destruction Pilot Plant

**BGCAPP**  
Blue Grass Chemical  
Agent-Destruction Pilot Plant

A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

# Project Background

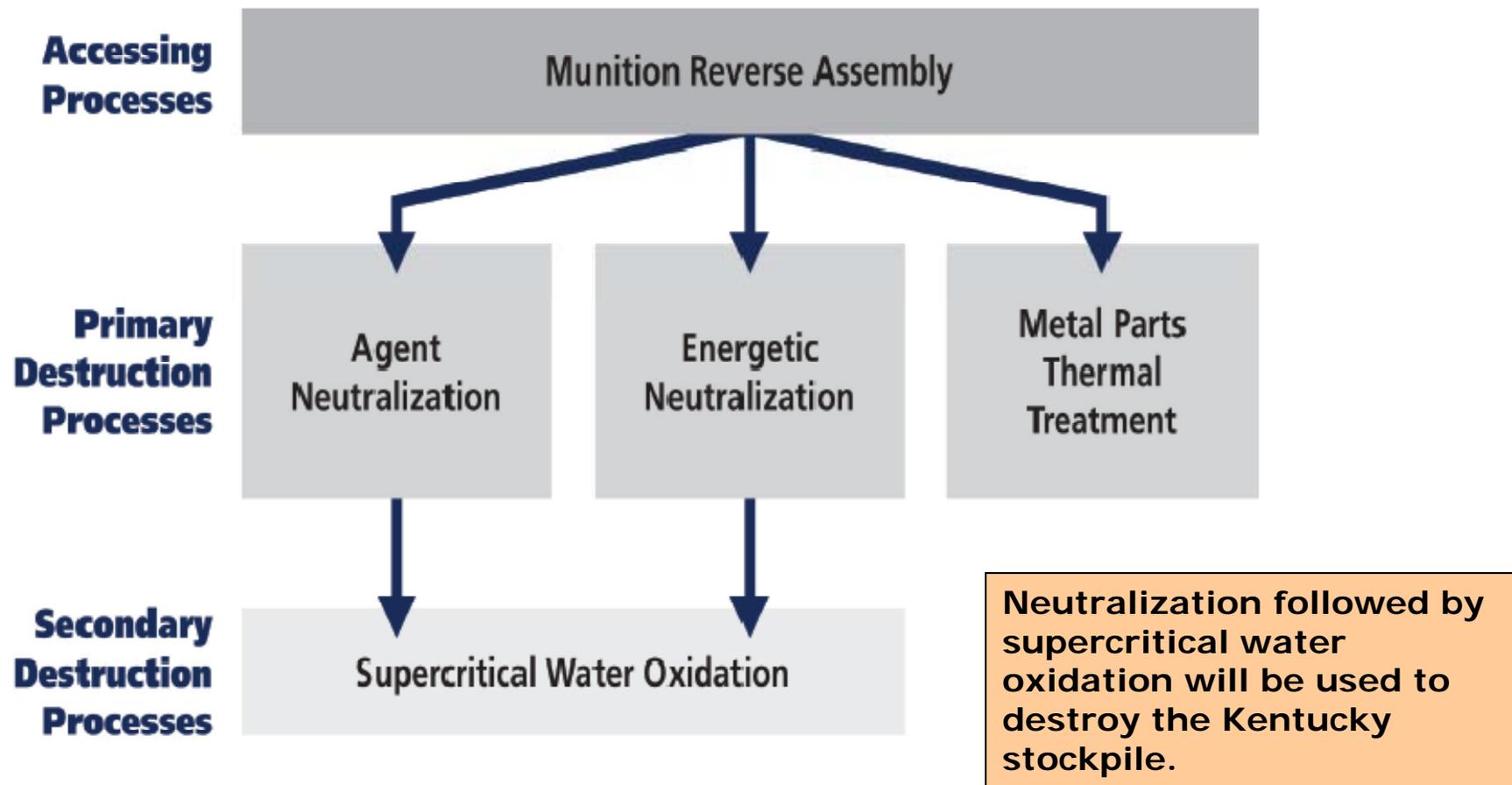
- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.
- The technology selected by the Department of Defense to destroy the Blue Grass chemical weapons stockpile is neutralization followed by Super Critical Water Oxidation (SCWO).
- The Program Manager, Assembled Chemical Weapons Alternatives (ACWA), 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 Infrastructure and Technology Group, along with teaming partners Washington Demilitarization Company, Battelle Memorial Institute, General Atomics and General Physics, is the systems contractor selected to design, build, systemize, pilot test, operate and close the BGCAPP.



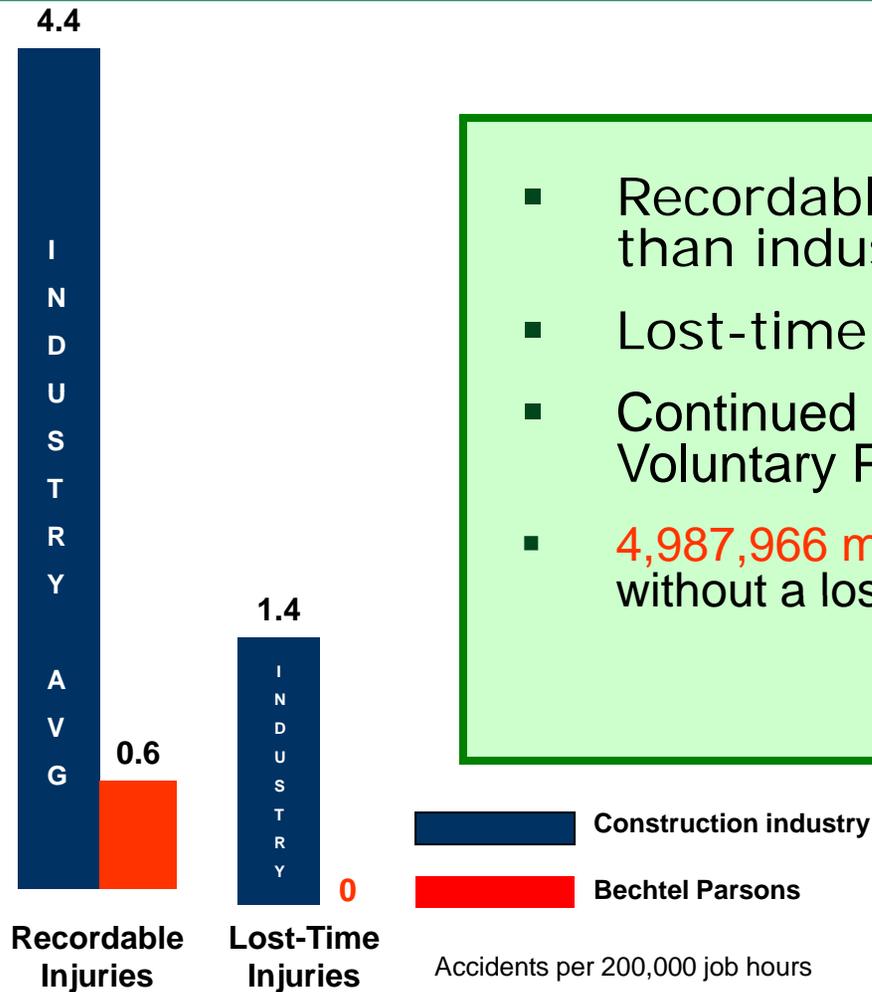
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# Destruction Technology



# Safety

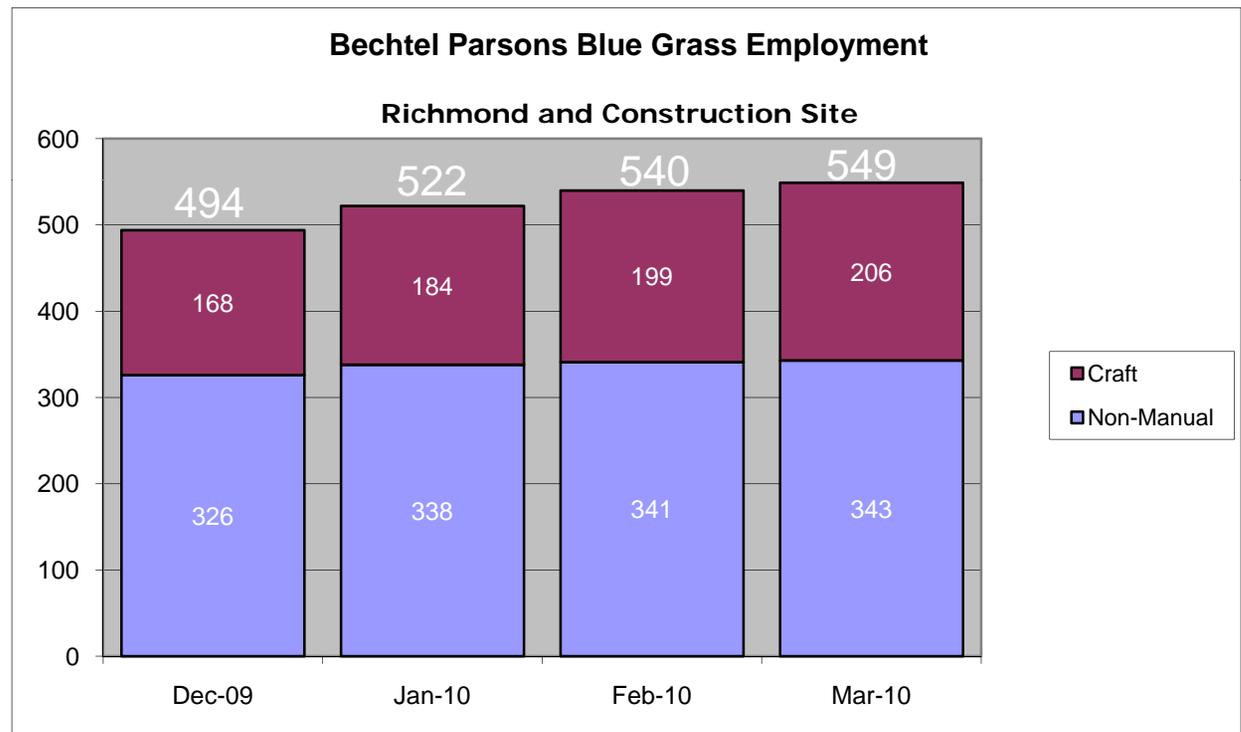


- Recordable injury rate **85% lower** than industry average
- Lost-time injury rate **zero**
- Continued progress toward OSHA Voluntary Protection Program Star Status
- **4,987,966 million job hours** and **2,464 days** without a lost-time injury as of Feb. 28, 2010



# Employment and subcontracting

- Blue Grass pilot plant project employment 549
  - Nonmanual – 343
  - Construction – 206
- Total project employment in Kentucky up 11 percent in past three months
  - Craft up 22 percent
  - Non-manual up 5 percent
- 49 percent of the project staff have been hired from local area
- More than \$48 million spent with local firms since project's inception



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OPSEC completed 11 March 2010

# Status of Design Packages

## Complete

- ✓ Munitions Demilitarization Building
- ✓ Control and Support Building
- ✓ Super Critical Water Oxidation Process Building
- ✓ Laboratory
- ✓ Underground Utilities
- ✓ Access Control Building
- ✓ Gas Mask Storage Building
- ✓ Maintenance Building and Personnel Support Building
- ✓ Maintenance Building
- ✓ Integrated Control System
- ✓ Fire Protection System
- ✓ Above Ground Utilities
- ✓ MDB Filter Area
- ✓ Lab Filter Area
- ✓ Utility Block
- ✓ Container Handling Building

## ■ Engineering is 99 % Complete

### To go

- Hydrolysate Storage Area (April, 10)
- Entry Control Facility (September, 10)
- Electronic Security System (June, 10)
- Standby Diesel Generators (May, 10)



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# Construction Status - Complete

- Control and Support Building horizontal concrete and structural steel
- 138kV transmission line and electrical substation
- High-mast lighting
- Personnel Support Building
- Maintenance Building
- Access Control Building and Associated Facilities
- Access Road
- Perimeter Fencing



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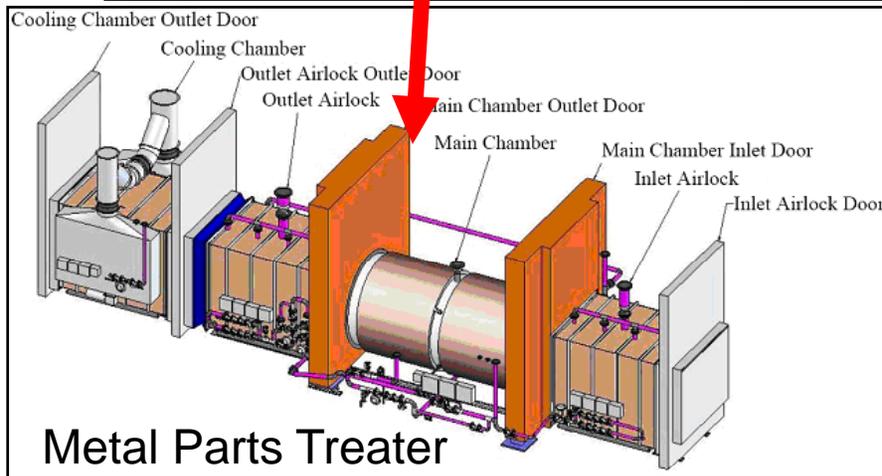
OPSEC completed 11 March 2010

# Construction – Work in Progress



- Munitions Demilitarization Building blast walls and foundations
- Placement of Metal Parts Treater components
- Utility power centers
- Fire water pump house
- Utility Building foundation

# Assembling Metal Parts Treater



Workers placed the 13-ton Main Chamber Outlet Door, a component of the Metal Parts Treater (MPT), in the Munitions Demilitarization Building on Feb. 22. The MPT will heat metal parts from munitions after agent is removed to ensure that no residual agent remains.

# Assembling Metal Parts Treater



After the chamber doors were placed, the 19,000-pound main heating drum for the Metal Parts Treater was lifted into place on March 9.

# Firewater pump house



Two water storage tanks with a capacity of 250,000 gallons each were completed earlier this year, and the adjacent pump house is now being constructed by local subcontractor KDV, Inc.

# Control and Support Building



**With structural steel installation complete, workers are now preparing to install siding on the Control and Support Building.**

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