

# Monthly Status Briefing

*April 2010*



Blue Grass Chemical Agent-  
Destruction Pilot Plant

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

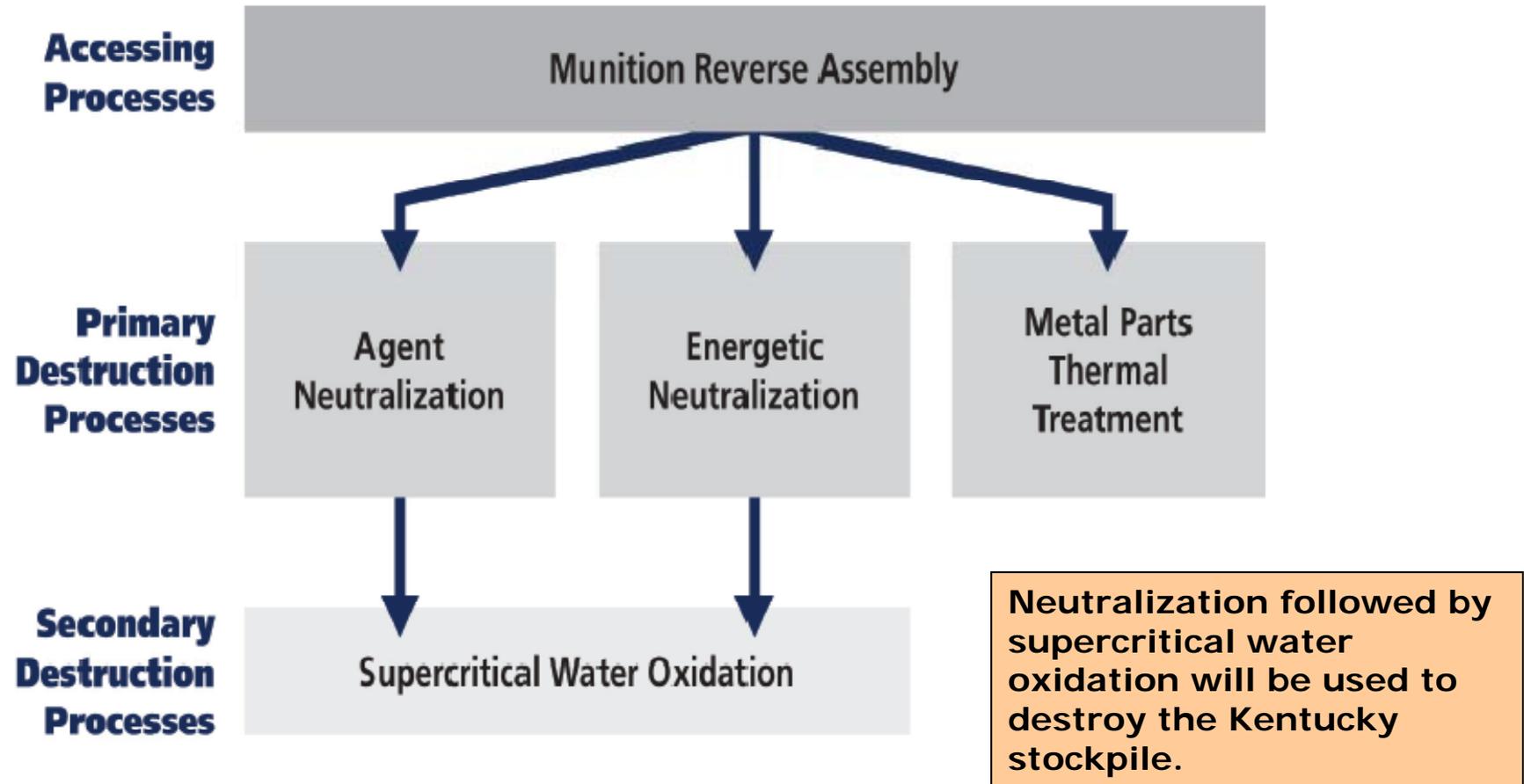
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

# Project Background

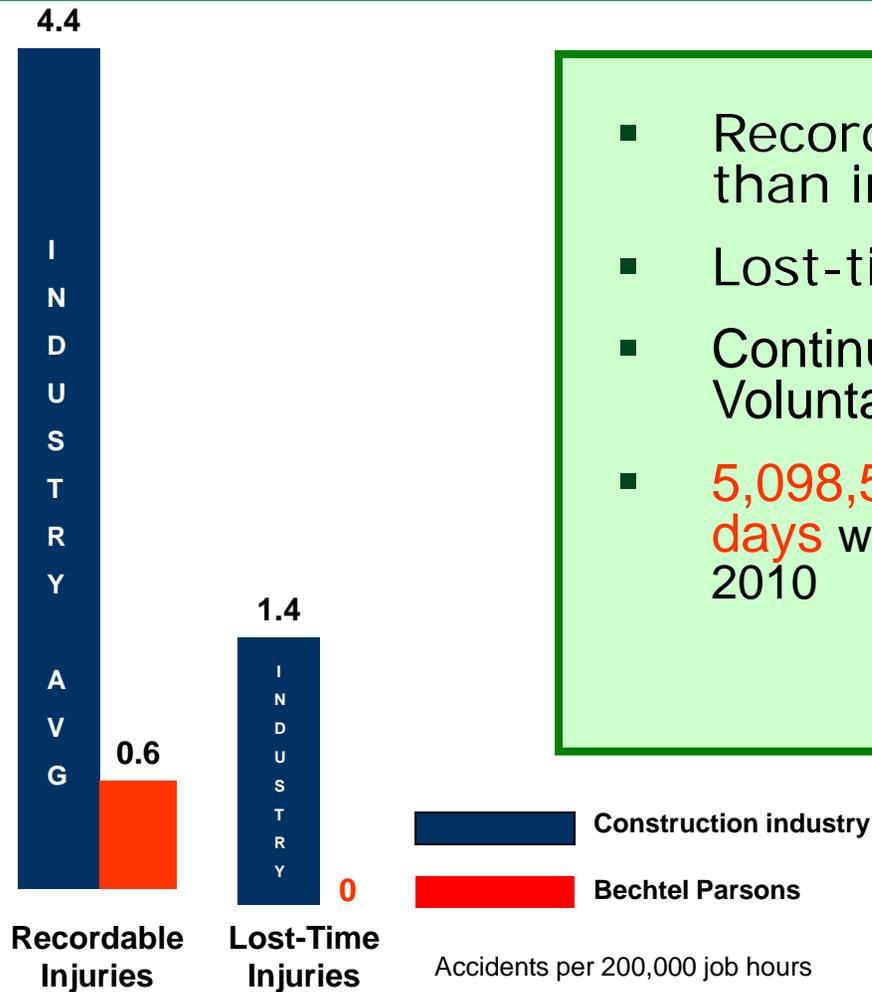
- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.
- The technology selected by the Department of Defense to destroy the Blue Grass chemical weapons 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 URS Washington Division, Battelle Memorial Institute, General Atomics and General Physics, is the systems contractor selected to design, build, systemize, pilot test, operate and close the BGCAPP.



# 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
- **5,098,550 million job hours** and **2,492 days** without a lost-time injury as of March 31, 2010



# Employment and Subcontracting



- Total project employment 582
  - Nonmanual – 350
  - Construction – 232
- 50 percent of the project staff have been hired from local area
- More than \$61 million spent with local firms since project's inception

# Engineering is 99% Complete

## 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
- ✓ 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
- ✓ Hydrolysate Storage Area

## To go

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



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# Construction -- Work Completed

- Metal Parts Treater assembly
- 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



**Assembly of main components of Metal Parts Treater was completed in March.**

# Construction -- Work in Progress



**Workers finishing concrete in Munitions Demilitarization Building.**

- Munitions Demilitarization Building blast walls and foundations
- Utility power centers
- Fire water pump house
- Utility Building foundation
- SCWO building earthworks

# Installing Forms for MDB Walls

Workers install forms in preparation for constructing concrete walls in Munitions Demilitarization Building.



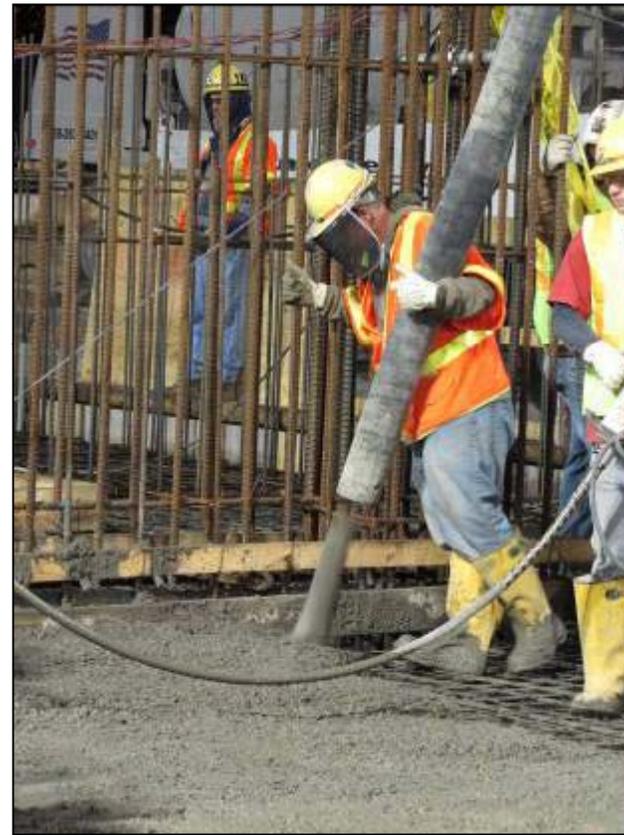
# Major Concrete Placements



**Working all night to have exclusive use of concrete batch plants, the BGCAPP construction team made two major concrete placements for the Munitions Demilitarization Building during March.**



# Placing and Finishing Concrete



Placing a large quantity of concrete to exacting standards requires planning, teamwork, and skill.



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# Firewater Pump House



Foundations and structural steel are in place for the fire water pump house, which will supply the plant with water from two 250,000-gallon tanks.



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# Blue Grass Chemical Agent-Destruction Pilot Plant



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