

# Monthly Status Briefing

*February 2010*



Blue Grass Chemical Agent-  
Destruction Pilot Plant

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

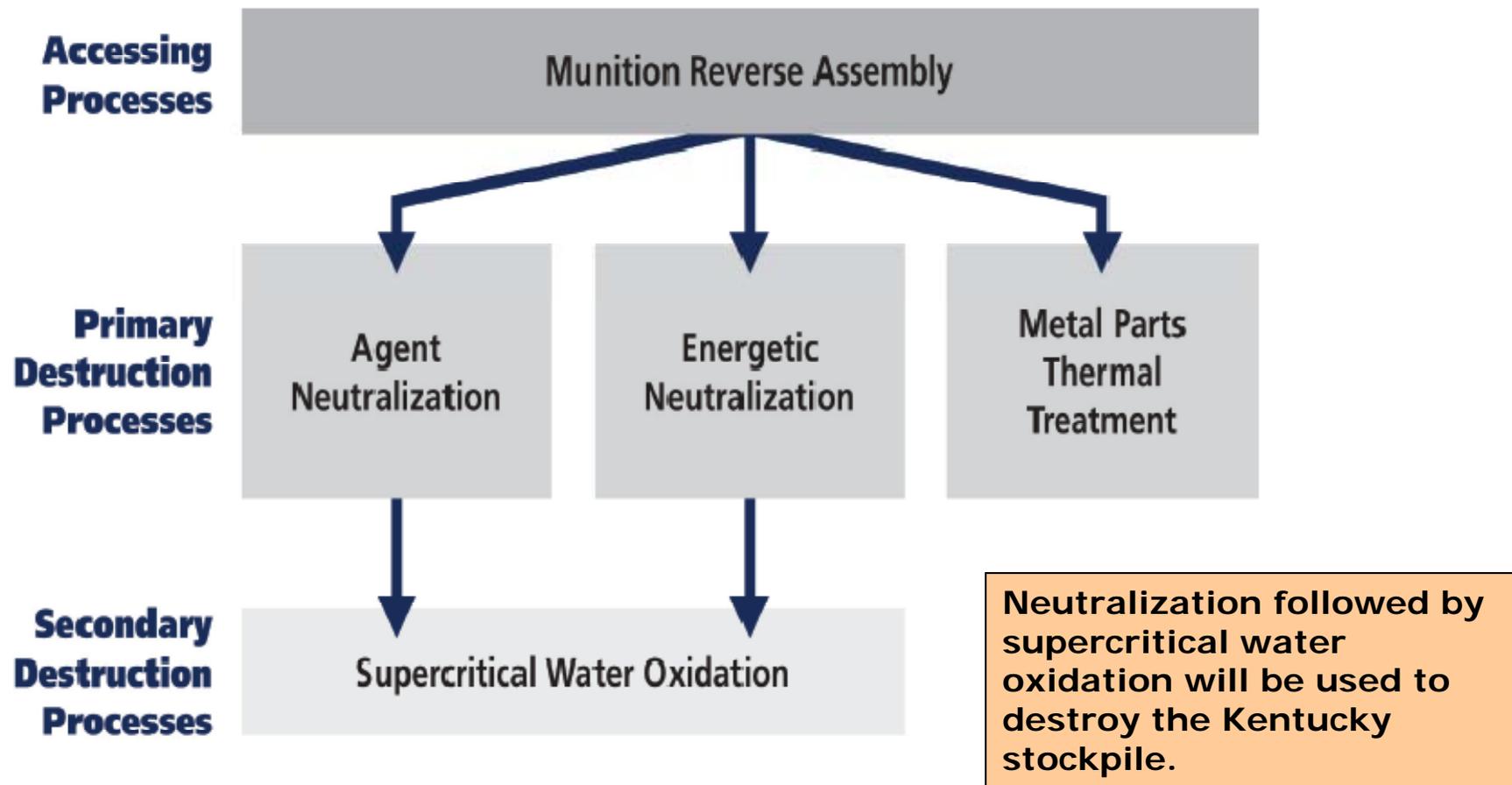
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

# Project Background

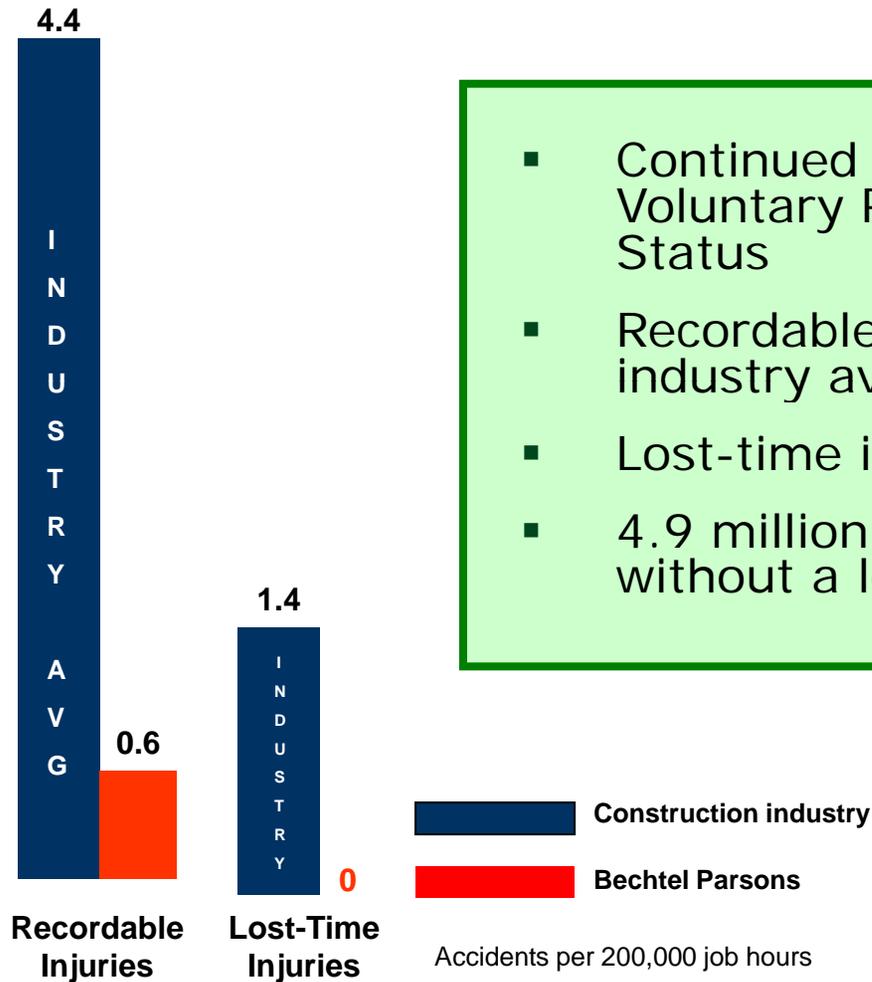
- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.
- The technology selected by the Department of Defense to destroy the Blue Grass chemical weapons 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.



# Destruction Technology



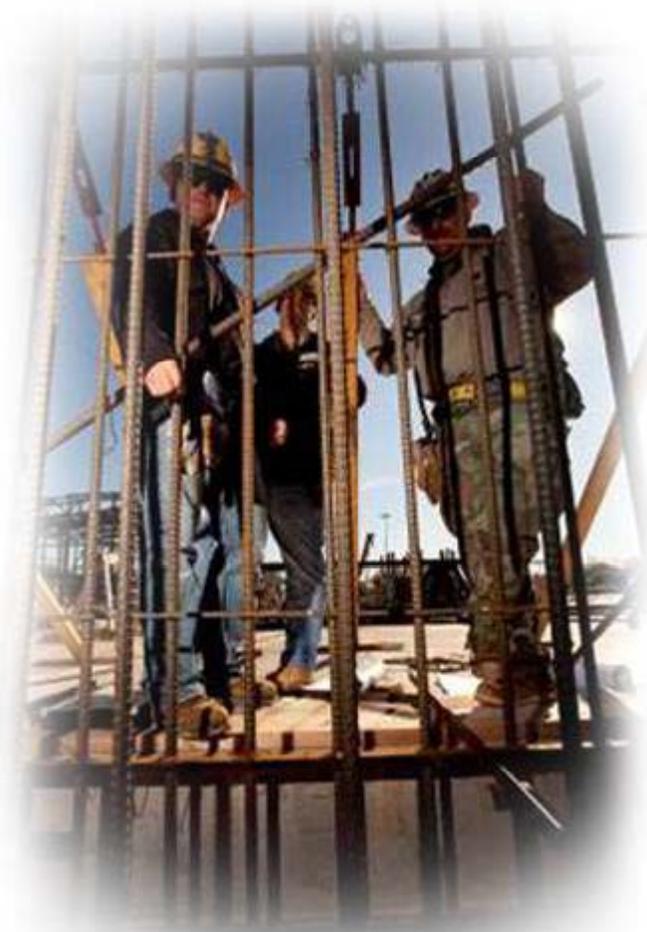
# Safety



- Continued progress toward OSHA Voluntary Protection Program Star Status
- Recordable injury rate 85% lower than industry average
- Lost-time injury rate zero
- 4.9 million job hours and 2,436 days without a lost-time injury



# Staffing



- Total employment **716**  
(256 local hires)
- Non-manual personnel **473**:
  - Richmond, KY: 338
  - Other Locations: 135
- Manual personnel **243**:
  - Richmond, KY 199
  - Other locations 44

# Economic Impact

**ACQUISITIONS:** More than \$45 million spent with Kentucky companies since project inception

## **PAYROLL**

- Non-manual payroll approximately \$32 million per year
- Craft payroll averaging more than \$300,000 per week



# Status of Design Packages

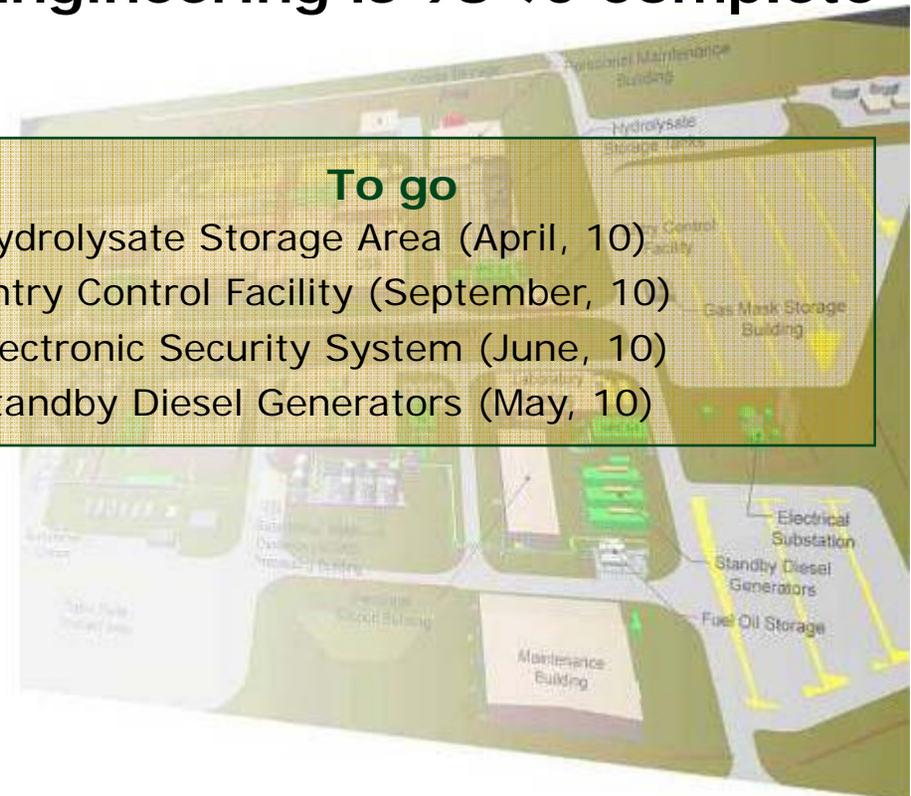
## Complete

- ✓ 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 98 % Complete

### To go

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



Blue Grass Chemical Agent  
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OPSEC completed 17 Feb 2010

# 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



# 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

# Two Milestones in January

- ✓ **Final Structural Steel beam placed for Control and Support Building**
- ✓ **First concrete placement for blast area of Munitions Demilitarization Building**



# Completion of CSB Steel



Final structural steel beam was placed on the Control and Support Building Jan. 27. In left photo, Mark Seely (left) and Jeff Brubaker, the Bechtel Parsons and ACWA project managers, sign the beam before it is placed by ironworkers (right photo).

# First MDB Blast Concrete



Despite frigid temperatures, construction workers made the first concrete placement for blast areas of the Munitions Demilitarization Building Jan. 28.

# Metal Parts Treater



Components for the Metal Parts Treater have been shipped to the construction site from Pasco, WA. This is the first process equipment to be delivered. Installation begins in February.

# Water Tanks and Pump House



Work is almost complete on the two 250,000-gallon water storage tanks, and construction has begun for the pump house. Shown here are surveyors preparing for pump house construction.



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# Utility Building



Concrete placement for Utility Building foundation.

