

# Monthly Status Briefing

*January 2010*



Blue Grass Chemical Agent-  
Destruction Pilot Plant

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

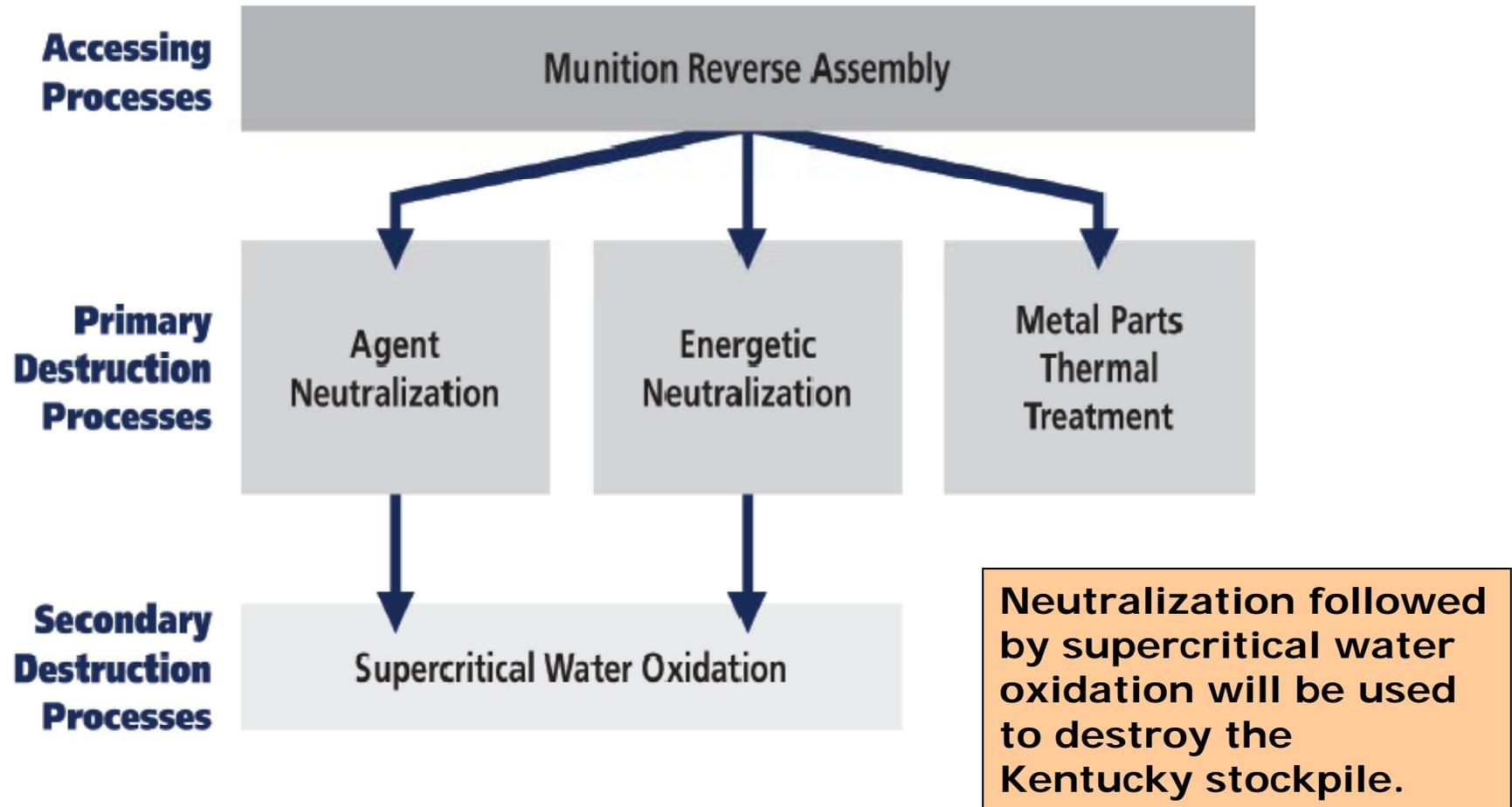
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

# Project Background

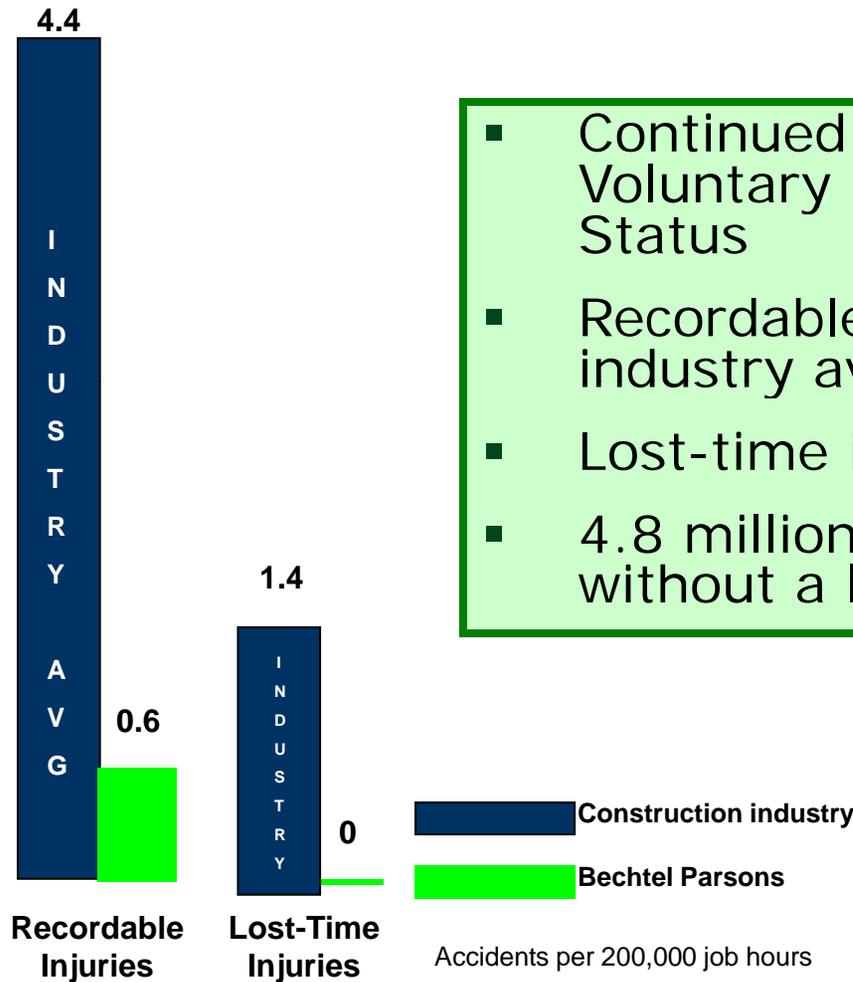
- **The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.**
- **The technology selected by the Department of Defense to destroy the Blue Grass chemical 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
- 4.8 million job hours and 2,408 days without a lost-time injury



# Staffing



- Total employment is 641 (241 local hires)
- Non-manual personnel 444:
  - Richmond, KY: 341
  - Other Locations: 103
- Manual personnel 197:
  - Richmond, KY 184
  - Other locations 13



Blue Grass Chemical Agent  
Destruction Pilot Plant



OPSEC completed 14 Jan 2010

# Economic Impact

- **ACQUISITIONS:** More than \$44.8 million spent with Kentucky companies since project inception
  
- **PAYROLL**
  - Non-manual payroll approximately \$32 million per year, generating about \$2 million in state and local payroll taxes
  - Craft payroll averaging more than \$300,000 per week



# Status of Design Packages

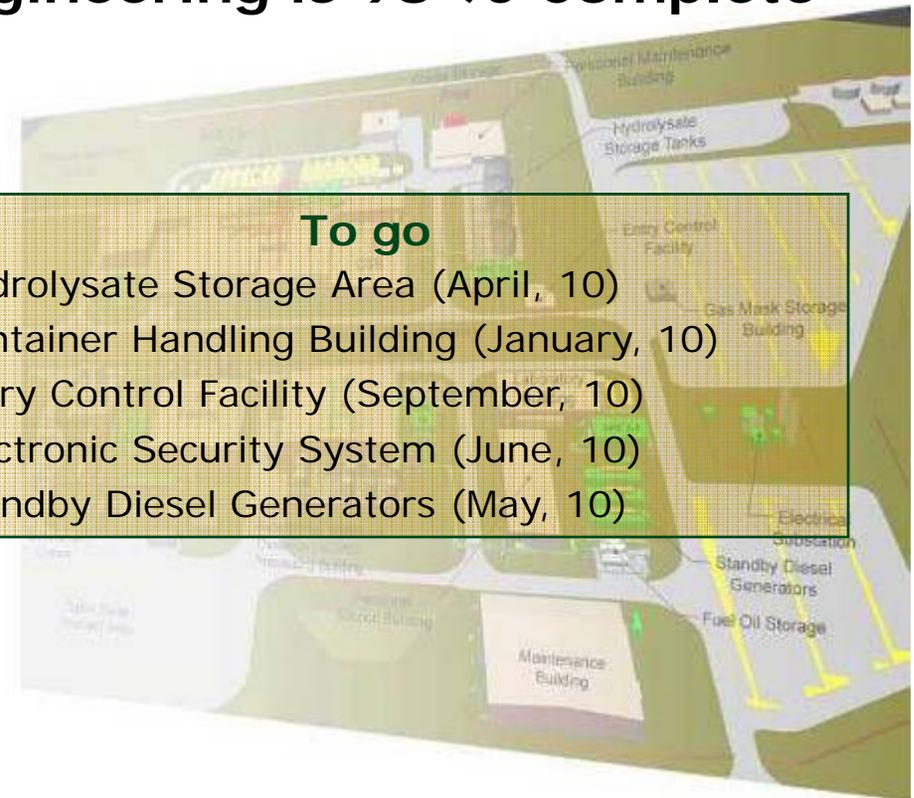
## Complete

- ✓ 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

## ■ Engineering is 98 % Complete

### To go

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



Blue Grass Chemical Agent  
Destruction Pilot Plant



OPSEC completed 14 Jan 2010

# Construction Status - Complete

- **Perimeter Fencing**
- **Access Road**
- **Access Control Building and Associated Facilities**
- **138kV transmission line and electrical substation**
- **High-mast lighting**
- **Personnel Support Building**
- **Maintenance Building**
- **Control and Support Building horizontal concrete**
- **Mock wall to demonstrate construction techniques**

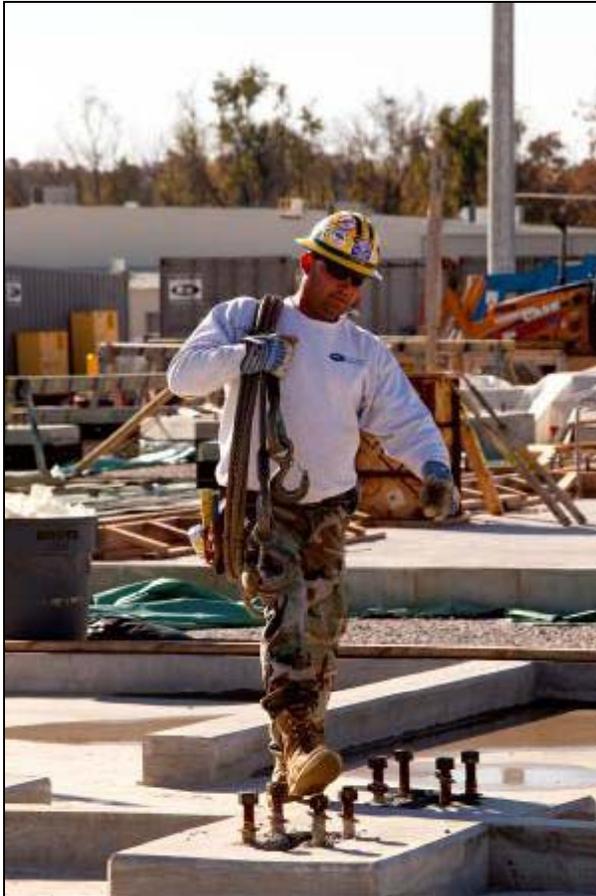


Blue Grass Chemical Agent  
Destruction Pilot Plant



OPSEC completed 14 Jan 2010

# Construction – Work in Progress



- **Structural steel for Controls and Support Building**
- **Munitions Demilitarization Building foundations and walls**
- **Delivery and unloading of Metal Parts Treater components**
- **Utility power centers**
- **Fire water pump house**
- **Foundation for utility building**
- **Pad for truck “drop and swap” area**



# 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.**

# 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.

# Structural Steel



Placement of structural steel for the Control and Support Building is nearing completion. This is the first vertical site construction.



Blue Grass Chemical Agent  
Destruction Pilot Plant



OPSEC completed 14 Jan 2010

# Munitions Demilitarization Building



Ironworkers place reinforcing steel for walls in the blast containment area of the Munitions Demilitarization Building.

# Utility Building



Concrete placement for Utility Building foundation.

# Blue Grass Chemical Agent-Destruction Pilot Plant



Blue Grass Chemical Agent-Destruction Pilot Plant

OPSEC completed 14 Jan 2010