

# Monthly Status Briefing

*August 2009*



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.**



Bechtel Parsons Blue Grass employees have surpassed **4.2 million job hours** without a lost-time injury

Applying for Star Status under Voluntary Protection Program of Occupational Health and Safety Administration



Blue Grass Chemical Agent  
Destruction Pilot Plant



OPSEC completed 08/26/2009

# Current Project Staffing



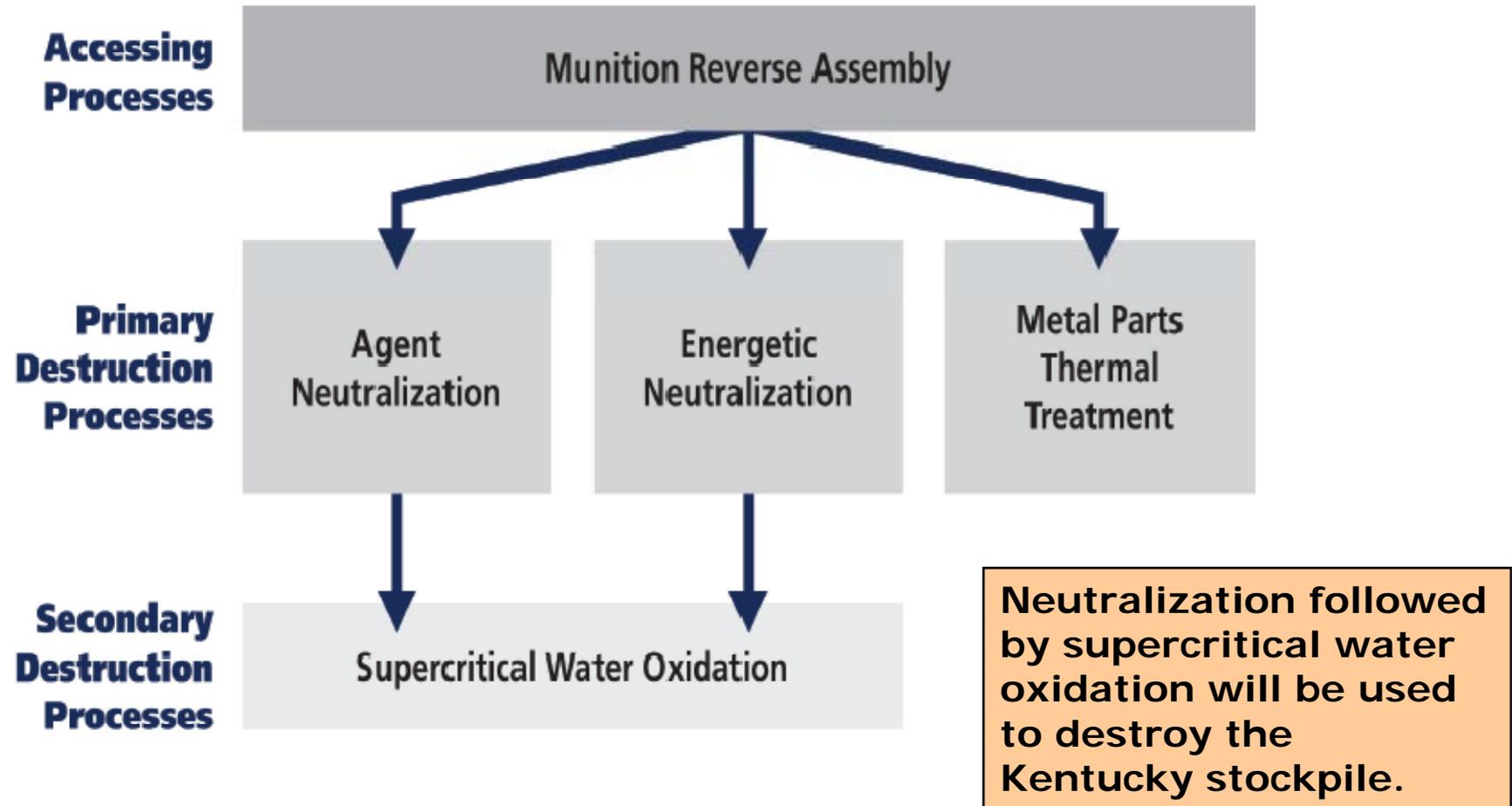
- Total employment is 604
- Non-manual personnel 429:
  - Richmond, KY: 257 (71 local hires)
  - Other Locations: 172
- Manual personnel 175:
  - Richmond, KY 110
  - Other locations 65

# Economic Impact

- **ACQUISITIONS:** More than \$40 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 currently averaging \$100,000 per week
  
- **LEASING:** Annual lease payments of more than \$400,000 for office and warehouse space



# Destruction Technology



# 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

## ■ Engineering is 95 % Complete

### To go

- Utility Block (December, 09)
- 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)

### Recently completed

- ✓ Above Ground Utility Systems
- ✓ MDB Filter Area
- ✓ Lab Filter Area



Blue Grass Chemical Agent  
Destruction Pilot Plant



OPSEC completed 08/26/2009

# 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



# Construction status - in progress

- Munitions Demilitarization  
Building non-blast  
horizontal concrete
- Water storage tanks
- Underground utilities
- Mock wall to demonstrate  
construction techniques



# Construction Site Overview



- 1** Control and Support Building
- 2** Munitions Demilitarization Building
- 3** Personnel Support Building
- 4** Maintenance Building



# Munitions Demilitarization Building



Concrete foundation being placed for main processing building.



# Mock Wall



A “mock wall” is being constructed to demonstrate special construction techniques for heavily reinforced concrete walls.

# Water Storage Tanks



Construction continues on two steel storage tanks that will supply water to the plant.



# Blue Grass Specific Equipment

- Specialty equipment being fabricated
  - Metal Parts Treater at Parsons facility in Pasco, WA
  - Energetics Batch Hydrolyzer at General Atomics facility in San Diego, CA
- Testing to be conducted over next six months



Metal Parts Treater

Energetics Batch Hydrolyzer

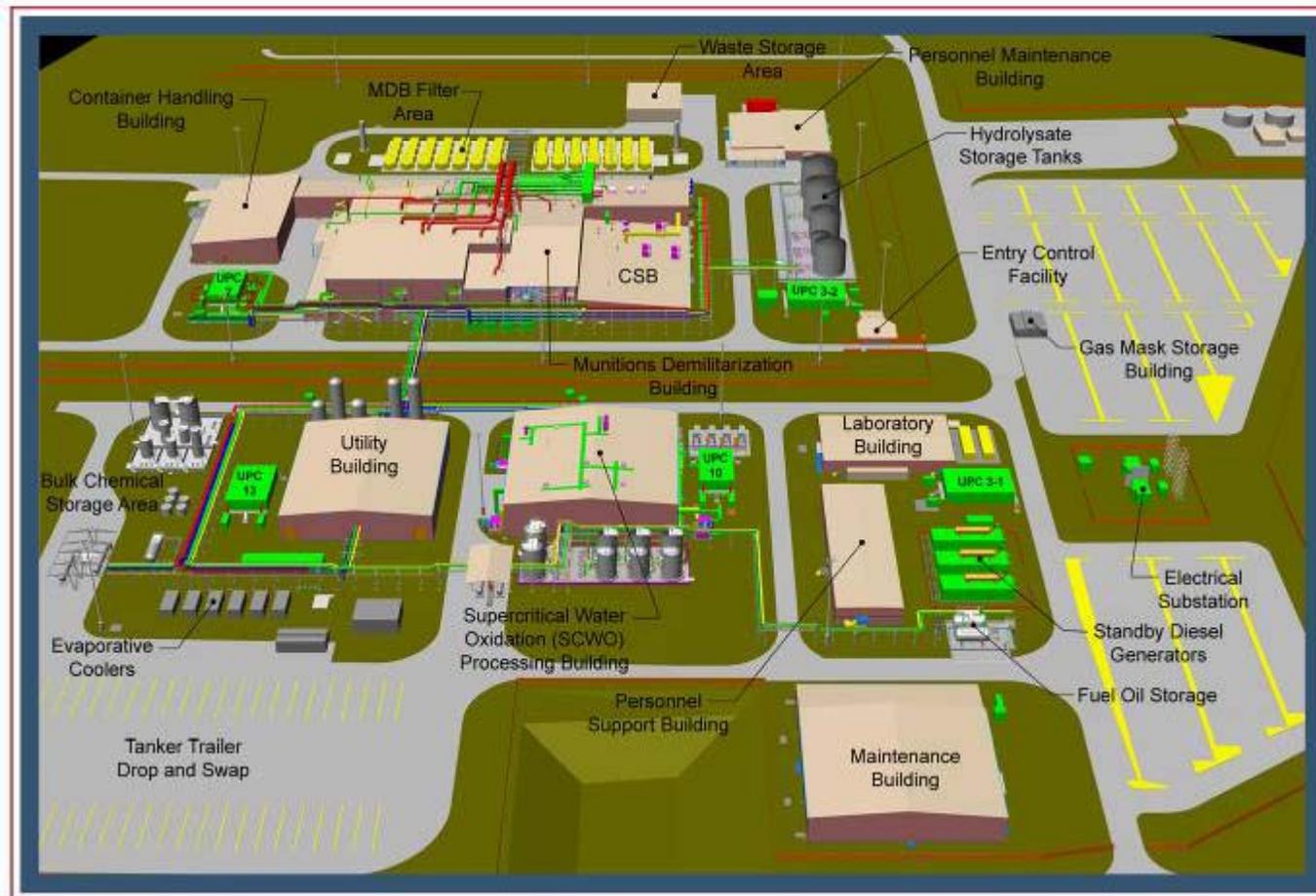


# New ACWA Site Project Manager

Jeff Brubaker joined the BGCAPP team in July as the new ACWA Site Project Manager, succeeding Jim Fritsche who retired earlier this year. Brubaker was formerly site manager at the Newport Chemical Agent Disposal Facility in Indiana, which has completed operations.



# Blue Grass Chemical Agent-Destruction Pilot Plant



**BGCAPP Site Plan**  
January 11, 2008

24915-00-P5-00-00003  
Rev. 4

