

# Monthly Status Briefing

*June 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 million job hours**  
without a lost-time injury



# Current Project Staffing



- Bechtel Parsons Blue Grass Team currently employs 335 non-manual personnel located as follows:
  - Richmond, KY: 284
  - Other Locations: 51
- Subcontractor and Direct Hire construction workers on site: 111

# Economic Impact

- **ACQUISITIONS:** More than \$39 million spent with Kentucky companies since project inception
- **EMPLOYMENT:**
  - Participated in KY Department For Workforce Investment - Regional Career Fair for Veterans
  - Bechtel Parsons named EKV "Employer of the Year"
- **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
- **COMMUNITY SUPPORT**
  - Corporate contributions to 30 educational and health and welfare organizations
  - Employees recently raised \$5,800 for American Diabetes Association



# 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 94 % 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



# Construction work in progress

- MDB non-blast horizontal concrete
- Fire water storage tanks
- Underground utilities
- Mock wall to demonstrate construction techniques



Foundations have been placed for fire water storage tanks, and subcontractor is mobilizing.

# 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.

# 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



# Subcontractor honored by SBA

- T.E.M. was subcontractor for Roadway Lighting, Electrical Equipment, and Communication Cabling Installation
- Company was mentored by Bechtel Parsons and did excellent work
- T.E.M. subsequently won other Federal contracts
- Company president Tom Masterson nominated by Bechtel Parsons and selected by SBA as Kentucky Small Business Person of the Year
- Tom was personally recognized by President Obama at a White House ceremony. See video at <http://www.youtube.com/usaeacwa>



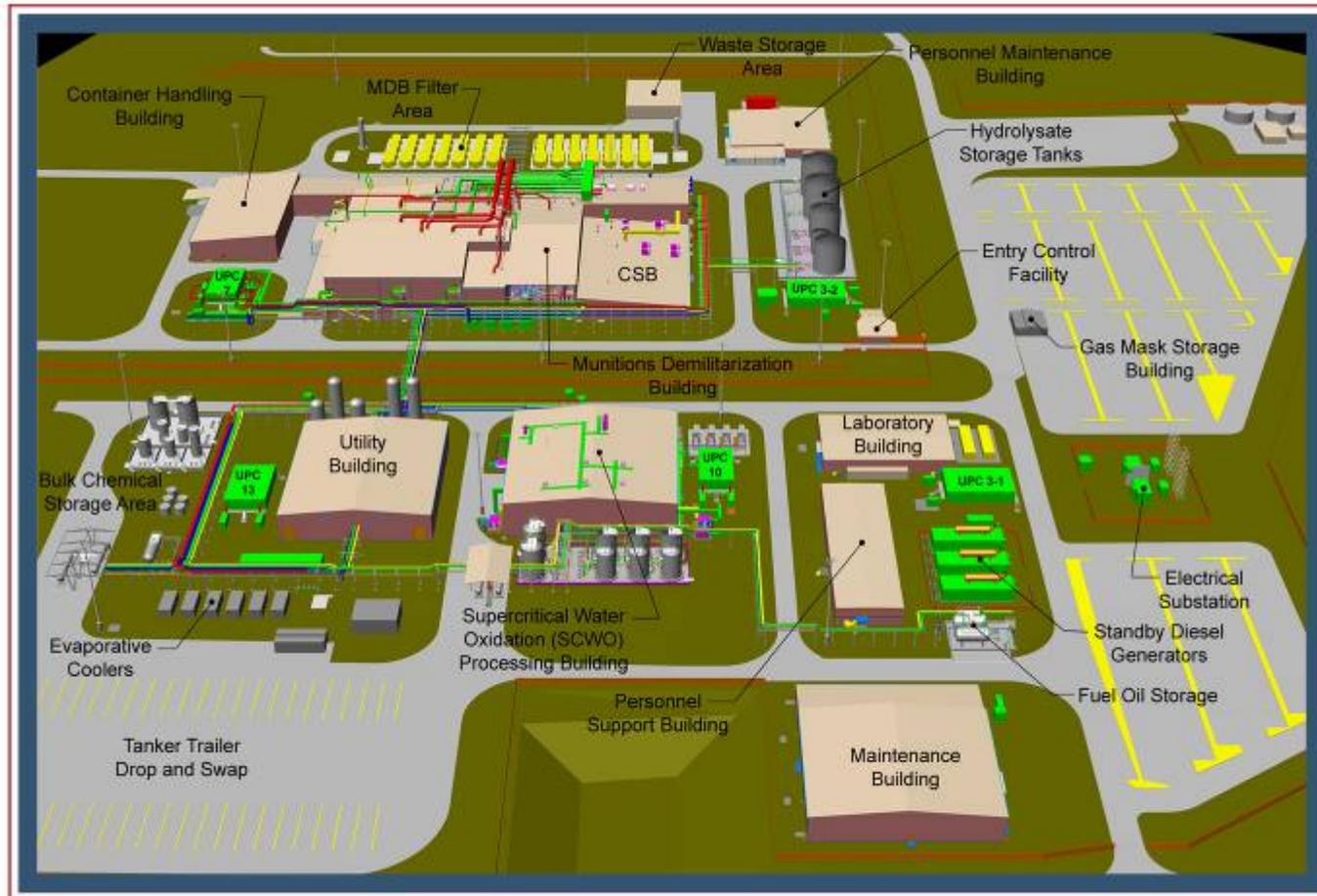
Tom Masterson with Diane Osbourne, Bechtel Parsons Small Business Advocate, at awards ceremony in Frankfort.

# EKU Employer of The Year

- Eastern Kentucky University recognized Bechtel Parsons for ongoing assistance with the professional growth and careers of students and alumni
- Mentored, recruited, and hired candidates for part-time jobs and internships
- More than 83% of interns offered full-time employment after graduating
- Fourteen EKU grads currently hold full time positions on the BGCAPP project
- Two students currently hold intern positions with Security and Safety Departments



# Blue Grass Chemical Agent-Destruction Pilot Plant



BGCAPP Site Plan  
January 11, 2008

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



Blue Grass Chemical Agent-Destruction Pilot Plant

OPSEC completed 15 June 2009