

Monthly Status Briefing

May 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.**



Safety

The BGCAPP project has an excellent safety record due to a **Safety Performance Metric Program** that measures:

- Leadership
- Assessments
- Training
- People Based Safety
- Resolution Performance
- System Safety



Current Project Staffing



- **Bechtel Parsons Blue Grass Team currently employs 310 non-manual personnel located as follows:**
 - **Richmond, KY: 253**
 - **Other Locations: 57**
- **Subcontractor and Direct Hire construction workers on site: 115**

Acquisitions

	Project Total	
Total Awards	\$76,774,262	
Awards to Local Businesses	\$30,661,199	40%
Kentucky Businesses Outside Local Area	\$5,522,781	7%
Businesses Outside Kentucky	\$40,590,282	53%
Total Awards to Kentucky Businesses	\$36,183,980	47%

As of April 30, 2009



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
- ✓ Personnel Maintenance Building
- ✓ Integrated Control System
- ✓ Fire Protection System

■ Engineering is 93 % Complete

To go

- Above Ground Site Utility Systems (April, 09)
- Utility Block (December, 09)
- MDB Filter Area (May, 09)
- Lab Filter Area (April, 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)

Recent Activities

- MDB Blast Redesign completed in January as scheduled; government review ongoing
- Intermediate design packages completed for Above Ground Site Utilities and Lab Filter Area



Construction

Work completed

- **Perimeter Fencing and Access Road**
- **Access Control Building and Associated Facilities**
- **138kV electrical substation**
- **Personnel Support Building**
- **Maintenance Building**
- **Badging Facility**



Work in progress

- **Munitions Demilitarization Building non-blast concrete**
- **Fire water storage tanks**
- **Underground utilities**
- **“Mock wall” to demonstrate construction techniques**



Workers install temporary power cables that will serve the construction site until the permanent system is in place.

Munitions Demilitarization Building



Work continues on a series of major concrete placements for the Munitions Demilitarization Building.

Mock Wall



Ironworkers install reinforcing steel for a “mock wall” being built to demonstrate the constructability and installation sequencing of rebar for the explosive containment areas in the Munitions Demilitarization Building.



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OPSEC completed 14 May 2009

Fire Water Storage Tanks



Foundations are being installed for two large tanks that will store water for the BGCAPP fire protection system. A gravel base was placed (left), then forms were installed for the concrete ring that will support the tanks (right).

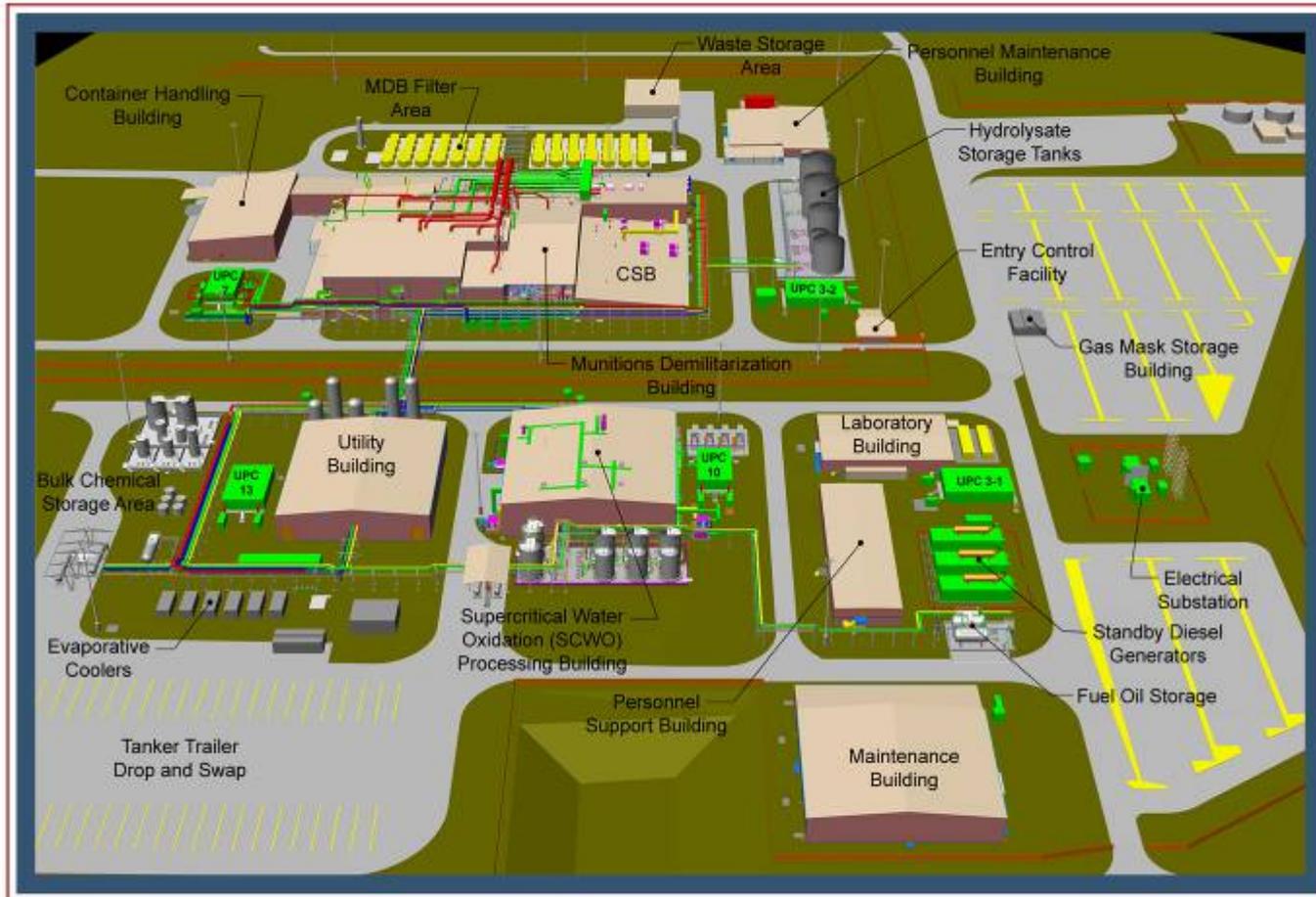
New Office Location



The BGCAPP office staff completed the move to new office space at the Richmond Mall in May. The new location improves efficiency by consolidated staff from three separate buildings, and lowers overall facility costs.



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BGCAPP Site Plan
January 11, 2008

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

