

Monthly Status Briefing

November 2008



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.**



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Safety

As of October 31, the Bechtel Parsons Blue Grass team has worked **3.4 million** hours without a lost-time injury



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Current Project Staffing

- **Bechtel Parsons Blue Grass Team currently employs 290 non-manual personnel located as follows:**
 - **Richmond, KY: 232**
 - **Other Locations: 58**
- **Subcontractor and Direct Hire construction workers on site: 104**



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Acquisitions

- **Subcontracts Awarded by Bechtel Parsons Blue Grass**
- **Total Awards - \$64,750,772**
 - **\$29,267,351 to Local Businesses**
 - **\$4,758,483 to Kentucky Businesses Outside Local Area**
 - **\$30,724,938 to Businesses Outside Kentucky**
- **52% of Awards to Kentucky Businesses**
 - **45% of Awards to Local Businesses**
 - **7% of Awards to Kentucky Businesses Outside Local Area**

As of 31 October 2008



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Status of Design Packages

Complete (87%)

- ✓ Munitions Demilitarization Building (MDB)*
- ✓ Control and Support Building
- ✓ Super Critical Water Oxidation Process Building
- ✓ Laboratory
- ✓ Underground Utilities
- ✓ Access Control Building
- ✓ Gas Mask Storage Building
- ✓ Specifications for subcontracted Maintenance Building and Personnel Support Building

To go (13%)

- Site Utility Systems (Above ground)
- Hydrolysate Storage Area
- Container Handling Building specification
- MDB Filter Area
- Integrated Control Systems
- Utility Block
- Entry Control Facility
- Standby Diesel Generators

* Portions of the MDB explosive containment area are being redesigned. The current design approach was selected to remedy constructability challenges associated with placing concrete in heavily reinforced walls. Explosive designs require acceptance by the Department of Defense Explosive Safety Board and the US Army Corps of Engineers. Based on the time needed for collecting additional data to validate the current design, the team will revert to a more traditional design in order to recover schedule.



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Construction

Work completed

- **Roadway Concrete/Access Control Building potable water & sewer**
- **Perimeter Fencing and Access Road**
- **Active Security Vehicle Barrier**
- **Access Control Building and Associated Utilities**
- **Temporary electrical substation**
- **Craft Change House**
- **Badging Facility**
- **Canopies for Vehicle Inspection Area at Access Control Building**



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Construction

Work in progress or starting soon

- Installation of 138kV electrical substation
- Placing concrete for Control Support Building foundation
- Installing underground utilities
- Personnel Support Building (Futron, Inc.)
- Maintenance Building (WG&T Builders)
- Layout, excavation, and foundation concrete for Munitions Demilitarization Building
- Fabrication of Blue Grass-specific equipment



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Site Overview



Northwestern Corner - Observation Point

- 1 Craft Change House
- 2 Personnel Support Building
- 3 Maintenance Building
- 4 Future Control & Support Building
- 5 Future Munitions Demilitarization Building



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Personnel Support Building



The interior of the Personnel Support Building is taking shape with installation of cubicles and office furniture. The building will initially provide office space for the construction team, and later for the plant operations staff as construction is completed.



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138kV Electric Substation



High above the construction site (above), workers install the high-voltage transmission lines that will bring power to the plant's 138kV electric substation while workers on the ground (right) install substation components.



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Munitions Demilitarization Building



Excavation has begun for the foundation of the Munitions Demilitarization Building, the part of the BGCAPP facility where chemical agents will be neutralized.

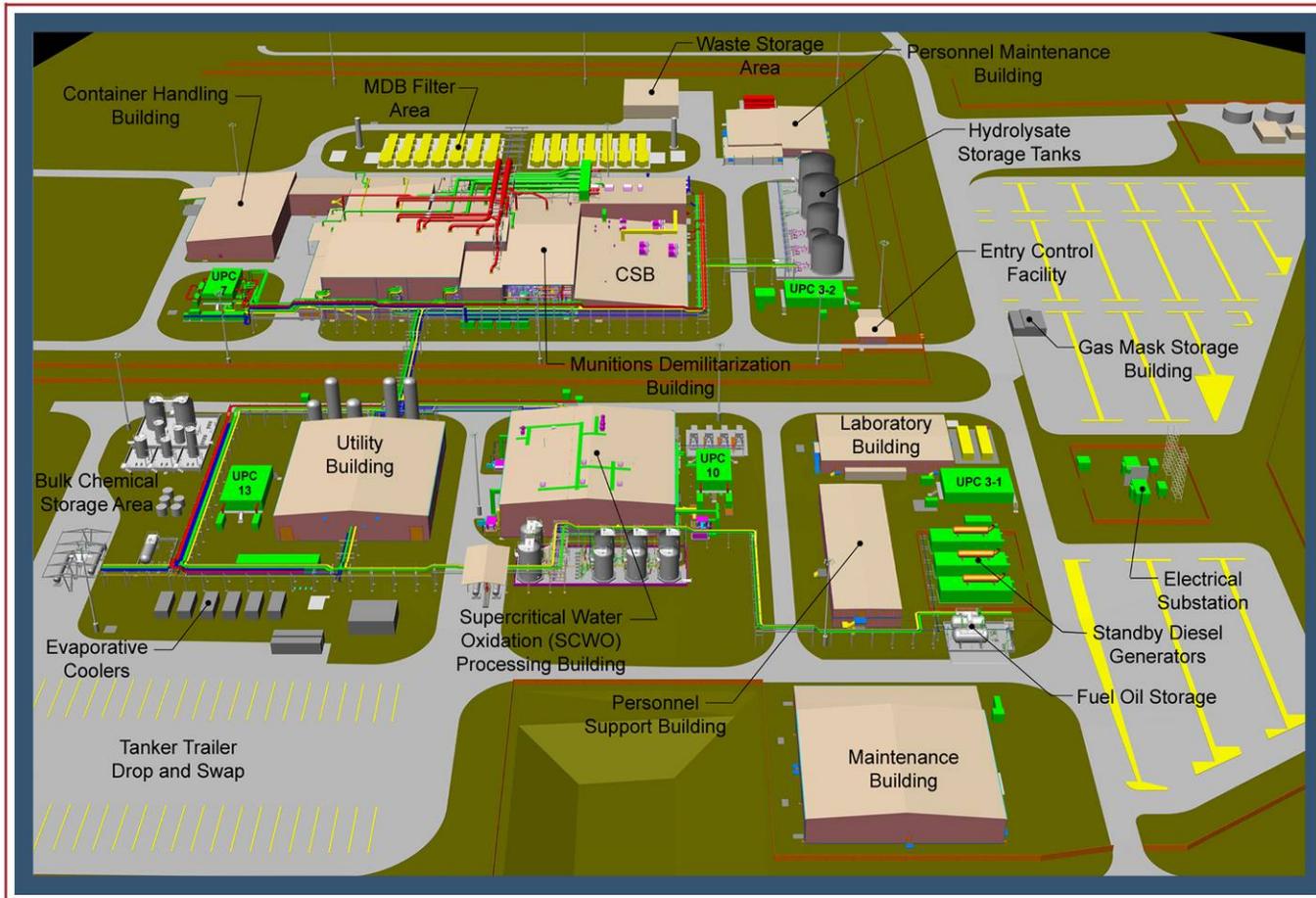


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BGCAPP Site Plan
January 11, 2008

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