

# Monthly Status Briefing

*March 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.**



As of February 28, the Bechtel Parsons Blue Grass team has worked **3.7 million** hours without a lost-time injury



# Current Project Staffing



- **Bechtel Parsons Blue Grass Team currently employs 303 non-manual personnel located as follows:**
  - **Richmond, KY: 249**
  - **Other Locations: 54**
- **Subcontractor and Direct Hire construction workers on site: 104**



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# Acquisitions

	Project Total	
<b>Total Awards</b>	<b>\$72,502,276</b>	
<b>Awards to Local Businesses</b>	<b>\$30,239,841</b>	<b>42%</b>
<b>Kentucky Businesses Outside Local Area</b>	<b>\$5,133,889</b>	<b>7%</b>
<b>Businesses Outside Kentucky</b>	<b>\$37,128,546</b>	<b>51%</b>
<b>Total Awards to Kentucky Businesses</b>	<b>\$35,373,730</b>	<b>49%</b>

As of Feb 28, 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 92 % 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



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# Construction

## Work completed

- **Roadway Concrete/Access Control Building potable water & sewer**
- **Perimeter Fencing and Access Road**
- **Access Control Building and Associated Facilities**
- **138kV electrical substation**
- **Personnel Support Building**
- **Maintenance Building**
- **Badging Facility**



# Construction

## Work in progress

- **Control and Support Building concrete**
- **Munitions Demilitarization Building non-blast concrete**
- **Underground utilities**
- **High-mast lights**



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# BGCAPP Site Overview



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



# Personnel Support Building Completed

The BGCAPP construction team moved from trailers (foreground) into the new Personnel Support building in February.



The Personnel Support Building will be home to the construction team, then transition to the operations staff after construction is complete.



# Maintenance Building ready for occupancy

The Maintenance Building will provide warehousing and work space for property management and maintenance personnel.



# Munitions Demilitarization Building



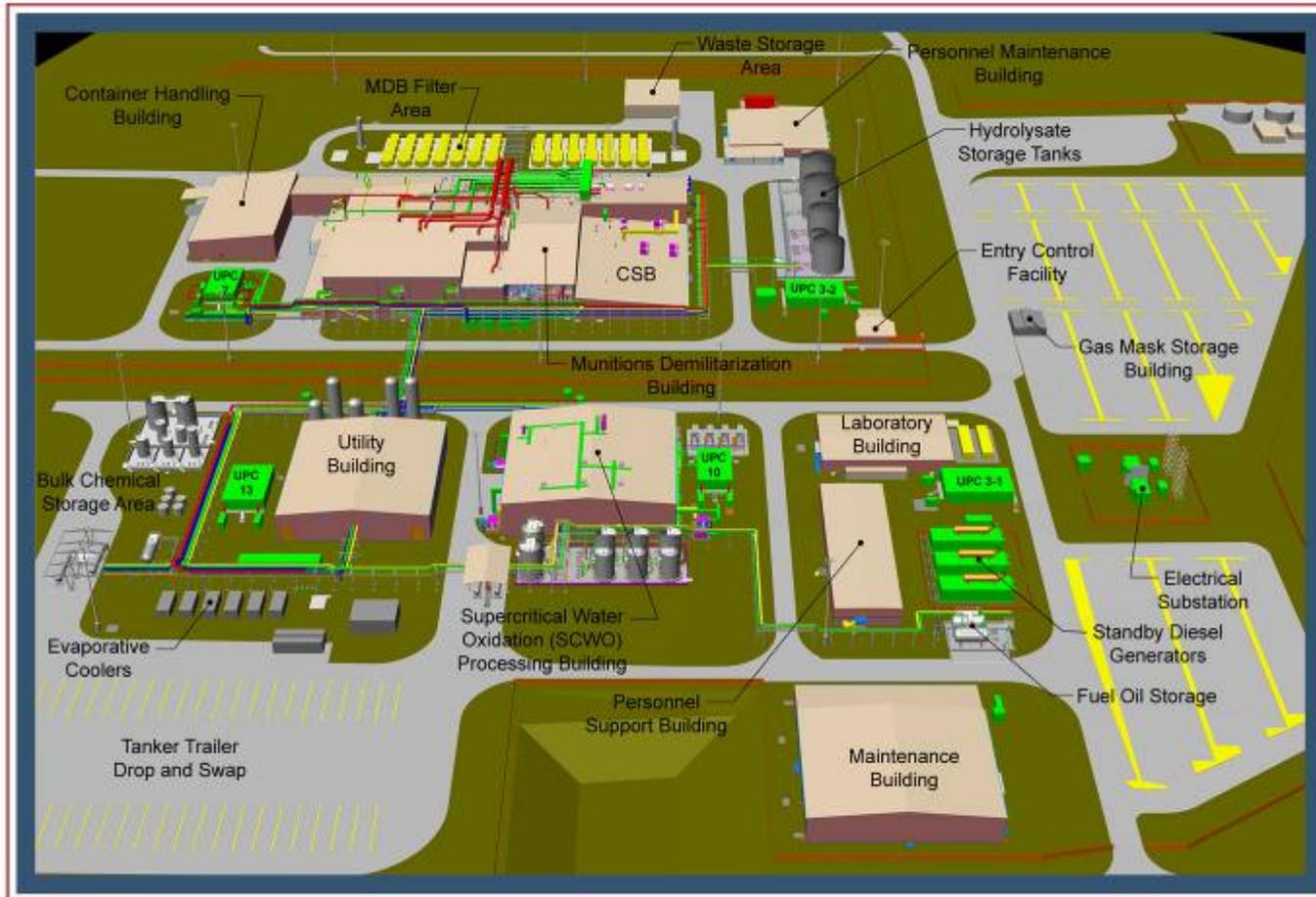
**The construction team got a break in the weather to make the first concrete placement for the Munitions Demilitarization Building on Saturday, Feb. 7. Starting work at 4 a.m. they successfully placed 300 cubic yards of concrete, the first concrete placement for the plant's main processing building.**

# High Mast Lighting



**Electricians install fixtures on high-mast lighting that will illuminate the site during construction and operations.**

# Blue Grass Chemical Agent-Destruction Pilot Plant



BGCAPP Site Plan  
January 11, 2008

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

