

# Monthly Status Briefing

*April 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 305 non-manual personnel located as follows:**
  - **Richmond, KY: 252**
  - **Other Locations: 53**
- **Subcontractor and Direct Hire construction workers on site: 111**

# Acquisitions

	Project Total	
<b>Total Awards</b>	<b>\$73,554,661</b>	
<b>Awards to Local Businesses</b>	<b>\$30,261,187</b>	<b>41%</b>
<b>Kentucky Businesses Outside Local Area</b>	<b>\$5,328,327</b>	<b>7%</b>
<b>Businesses Outside Kentucky</b>	<b>\$37,965,147</b>	<b>52%</b>
<b>Total Awards to Kentucky Businesses</b>	<b>\$35,589,514</b>	<b>48%</b>

As of March 31, 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**



# Construction

## Work in progress

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



# Munitions Demilitarization Building



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

# Mock Wall



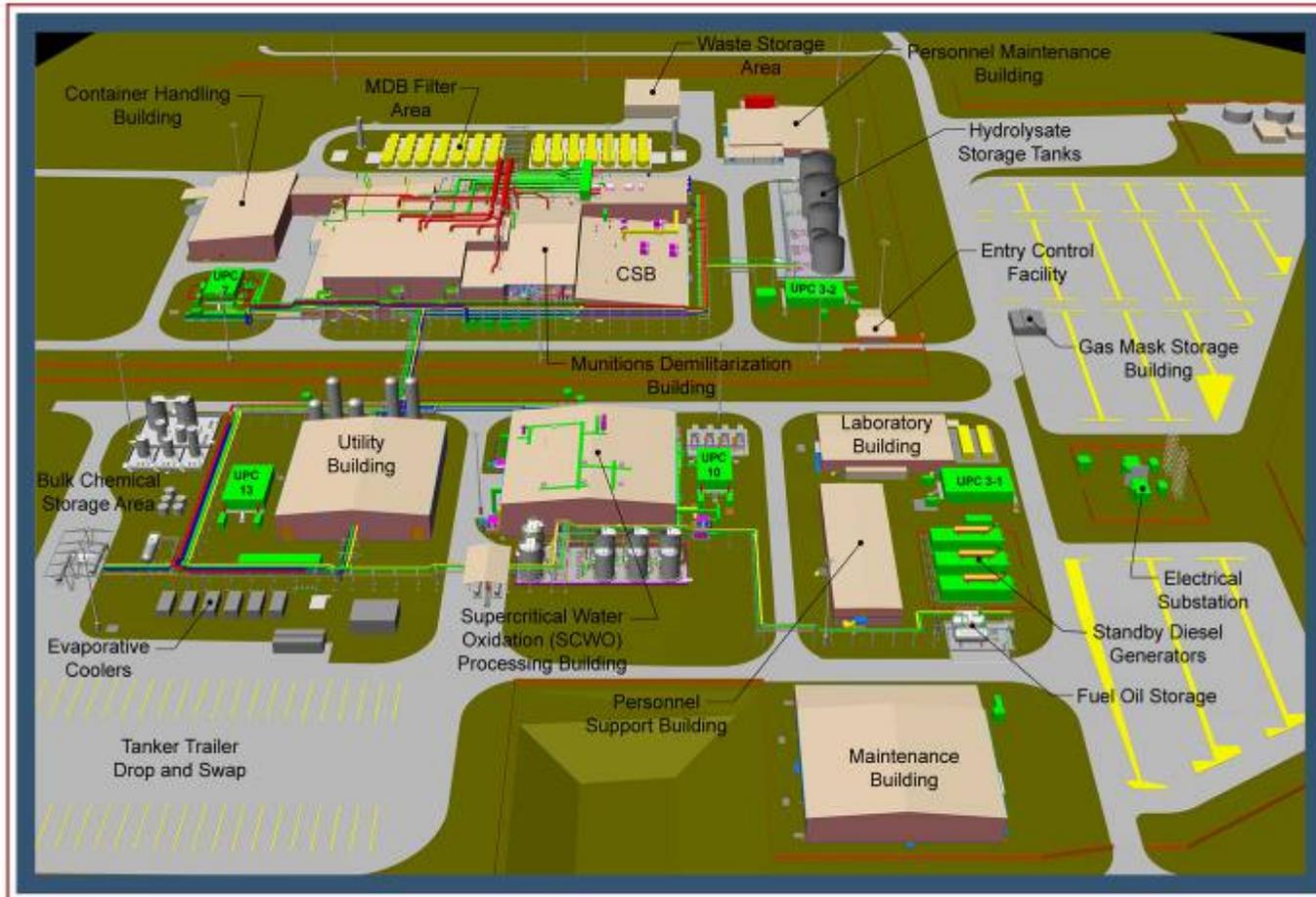
**Ironworkers install reinforcing steel for a “mock wall” being built to demonstrate the constructability and installation sequencing of rebar for the explosive containment areas in the Munitions Demilitarization Building.**

# Ironworkers Prepare Reinforcing Steel



The BGCAPP construction force currently includes about 25 ironworkers, who have a key role in preparing for concrete placements. Workers shown here are cutting reinforcing steel for the mock wall.

# 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 9 April 2009