



Blue Grass Chemical Agent-  
Destruction Pilot Plant

*March 2008*

**A Partnership for Safe Chemical Weapons Destruction**

# **Monthly Status Briefing**

**Blue Grass Chemical Agent-Destruction Pilot Plant**



# Project Background

## A Partnership for Safe Chemical Weapons Destruction

- **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.**



# Current Project Staffing

## A Partnership for Safe Chemical Weapons Destruction

- As of 29 February 2008, Bechtel Parsons Blue Grass employees have worked more than **2.6 million job hours** without a lost-time injury
- Bechtel Parsons Blue Grass Team currently employs 289 non-manual personnel located as follows:
  - Richmond, KY: 157 (22 local hires)
  - Pasadena, CA; Pasco, WA; Columbus, OH and San Diego, CA: 132
- Subcontractor and Direct Hire construction workers on site: 113





# Acquisitions

A Partnership for Safe Chemical Weapons Destruction

As of 29 February 2008:

	<b>Construction</b>		<b>Project Total</b>	
Total Awards	\$43,403,351		\$50,012,529	
Awards to Local Businesses	\$26,313,876	61%	\$26,922,126	54%
Kentucky Businesses Outside Local Area	\$2,867,487	7%	\$3,021,458	6%
Businesses Outside Kentucky	\$14,221,988	33%	\$20,068,935	40%
<b>Total Awards to Kentucky Businesses</b>	<b>\$29,181,363</b>	<b>68%</b>	<b>\$29,943,584</b>	<b>60%</b>



Blue Grass Chemical Agent  
Destruction Pilot Plant

# Status of Design Packages

A Partnership for Safe Chemical Weapons Destruction

## Complete (82%)

- ✓ Munitions Demilitarization Building
- ✓ 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 (18%)

- 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



Blue Grass Chemical Agent-  
Destruction Pilot Plant

# Construction

A Partnership for Safe Chemical Weapons Destruction

## Work completed

- Roadway Concrete
- Perimeter Fencing
- Access Road
- Active Security Vehicle Barrier
- Access Control Building and Associated Utilities
- Temporary electrical substation
- Craft Change House



# Construction

## A Partnership for Safe Chemical Weapons Destruction

### Work in progress or starting soon

- Installation of Underground Utilities
- Personnel Support Building - Subcontractor Futron, Inc.
- Maintenance Building - Subcontractor WG&T Builders
- Badging Facility

### Planned to start in next 12 months

- Control Support Building horizontal concrete
- Munitions Demilitarization Building horizontal concrete
- 138Kv Electrical Substation, switchyard, and transmission lines



Blue Grass Chemical Agent  
Destruction Pilot Plant

# Current Construction

A Partnership for Safe Chemical Weapons Destruction



**Placing girders to support the canopy over the vehicle inspection area of the Access Control Point**



Blue Grass Chemical Agent-  
Destruction Pilot Plant

# Current Construction

A Partnership for Safe Chemical Weapons Destruction



**Concrete is placed around electrical conduits during installation of "duct banks" under the plant site**



# Access Control Building Begins Operation January 12

A Partnership for Safe Chemical Weapons Destruction



Bechtel Parsons Blue Grass Construction Coordinator Tom Mitchell (right) turns over ACB keys to (from left) security guards Gary Smith, Sgt. Kevin Butler and Lt. Greg Vanover.



Intersteel, Inc., of Richmond, Kentucky was the subcontractor for the ACB, a modular structure.





# New Office Space For Engineering Staff Relocating From Pasadena

A Partnership for Safe Chemical Weapons Destruction

**Current  
Richmond  
Project Office**



**New Space  
White House Clinic  
Building**



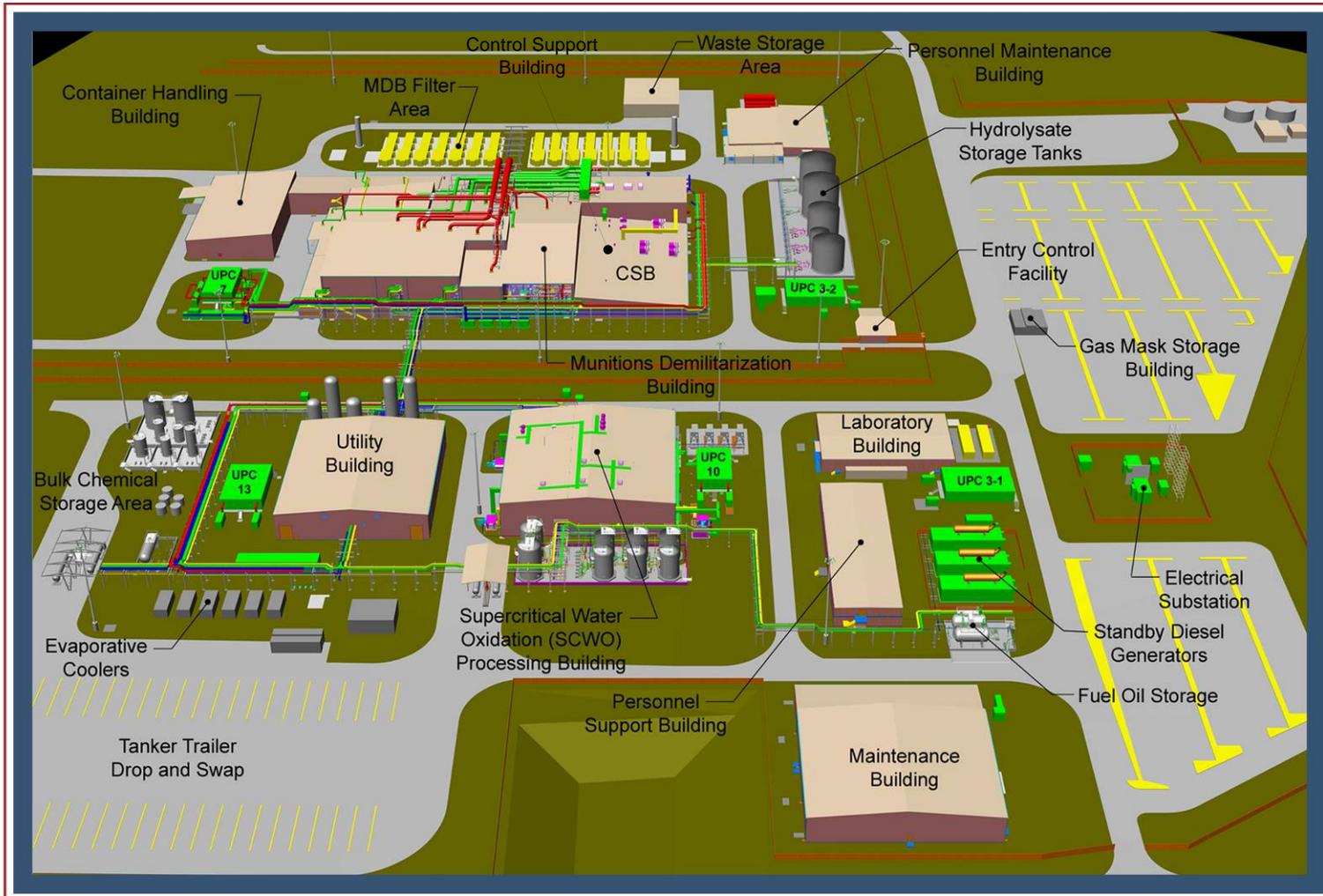
**New Space  
Commercial Drive**





# Blue Grass Chemical Agent-Destruction Pilot Plant

A Partnership for Safe Chemical Weapons Destruction



BGCAPP Site Plan  
Januarv 11. 2008