

Monthly Status Briefing

July 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.**



Bechtel Parsons Blue Grass employees have surpassed
4 million job hours
without a lost-time injury



Current Project Staffing



- Total employment is 628
- Non-manual personnel (429):
 - Richmond, KY: 257 (71 local hires)
 - Other Locations: 172
- Manual personnel (199):
 - Richmond, KY 108
 - Other locations 91

Economic Impact

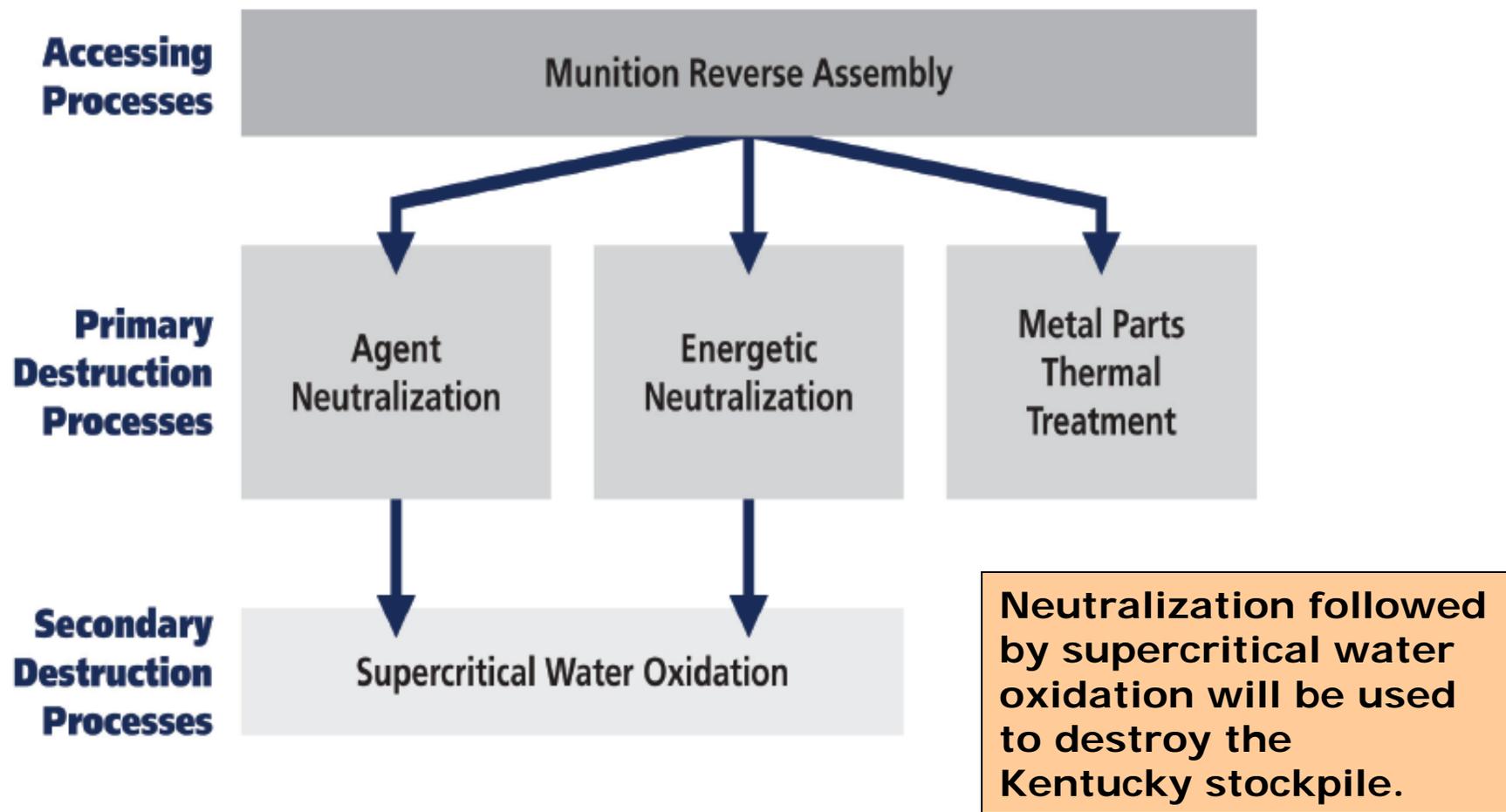
- **ACQUISITIONS:** More than \$40 million spent with Kentucky companies since project inception

- **PAYROLL**
 - Non-manual payroll approximately \$32 million per year, generating about \$2 million in state and local payroll taxes
 - Craft payroll currently averaging \$100,000 per week

- **LEASING:** Annual lease payments of more than \$400,000 for office and warehouse space



Destruction Technology



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

■ Engineering is 95 % Complete

To go

- Utility Block (December, 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)

Recently completed

- ✓ Above Ground Utility Systems
- ✓ MDB Filter Area
- ✓ Lab Filter Area



Construction Status - Complete

- Perimeter Fencing
- Access Road
- Access Control Building and Associated Facilities
- 138kV transmission line and electrical substation
- High-mast lighting
- Personnel Support Building
- Maintenance Building
- Control and Support Building horizontal concrete



Construction status - in progress

- Munitions Demilitarization
Building non-blast
horizontal concrete
- Water storage tanks
- Underground utilities
- Mock wall to demonstrate
construction techniques



Construction Site Overview



- 1** Control and Support Building
- 2** Munitions Demilitarization Building
- 3** Personnel Support Building
- 4** Maintenance Building



Munitions Demilitarization Building



Concrete foundation being placed for main processing building.



Mock Wall



A “mock wall” is being constructed to demonstrate special construction techniques for heavily reinforced concrete walls.

Water Storage Tanks



Construction started in June on two steel storage tanks that will supply water to the plant.

Blue Grass Specific Equipment

- Specialty equipment being fabricated
 - Metal Parts Treater at Parsons facility in Pasco, WA
 - Energetics Batch Hydrolyzer at General Atomics facility in San Diego, CA
- Testing to be conducted over next six months



Metal Parts Treater

Energetics Batch Hydrolyzer



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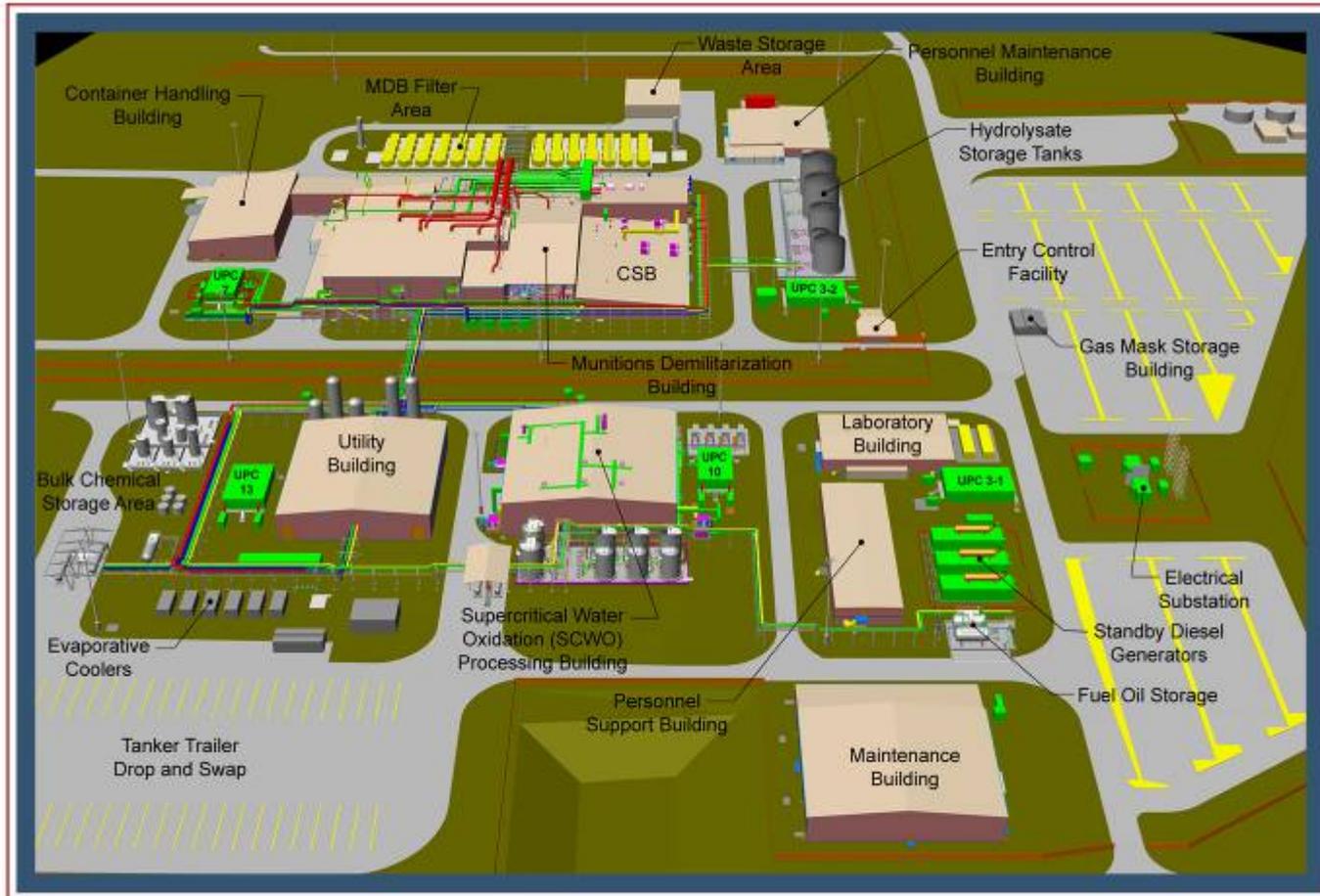
OPSEC completed 07/09/2009

Visit by IBEW President



Ed Hill, President of the International Brotherhood of Electrical Workers (second from left in both photos), visited IBEW members at the construction site June 29. At peak staffing more than 200 electrical workers will be employed at the site.

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BGCAPP Site Plan
January 11, 2008

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



Blue Grass Chemical Agent-Destruction Pilot Plant



OPSEC completed 07/09/2009