

Monthly Status Briefing

December 2009



Blue Grass Chemical Agent-
Destruction Pilot Plant

BGCAPP
Blue Grass Chemical
Agent-Destruction Pilot Plant

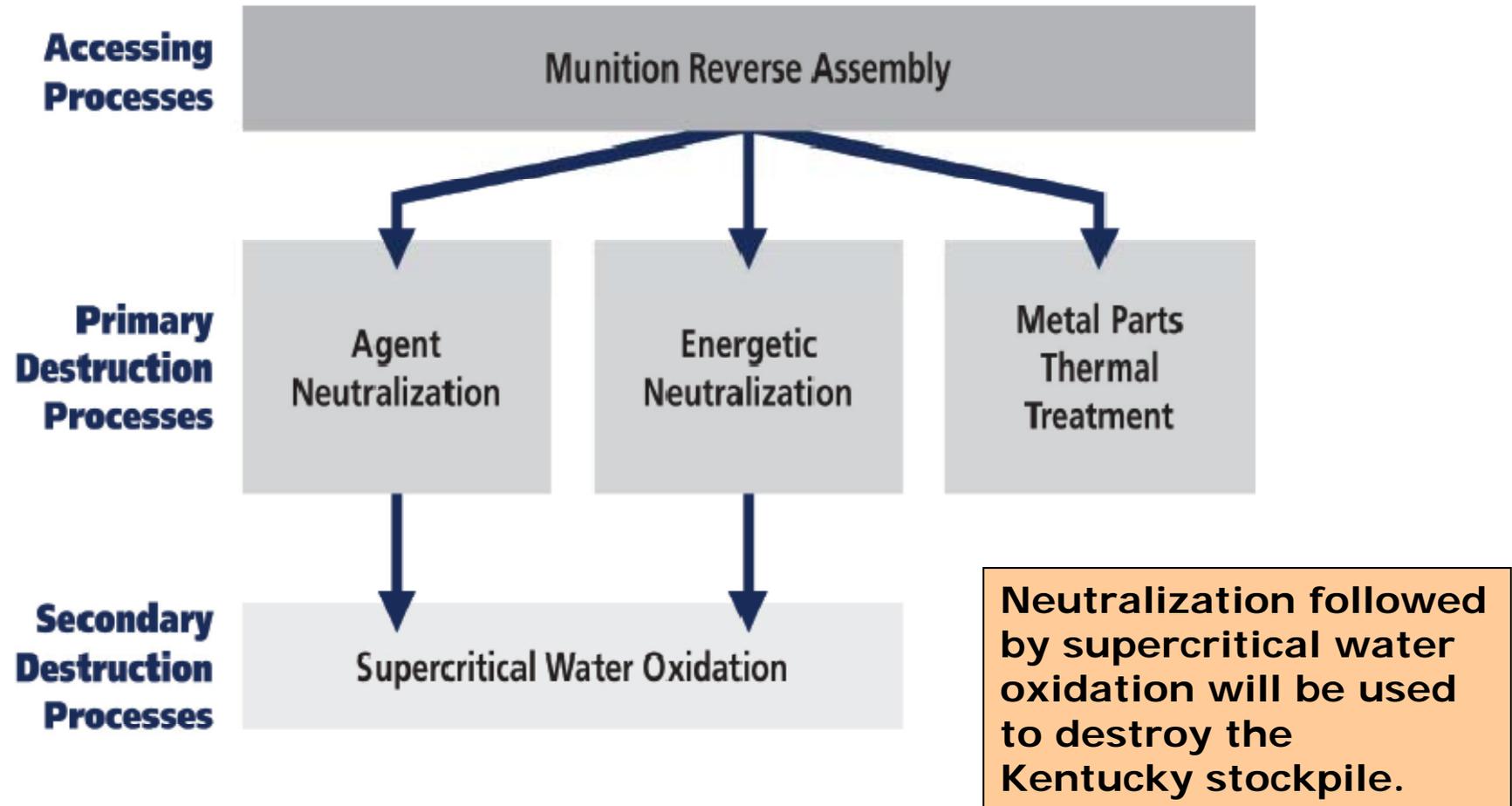
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

Project Background

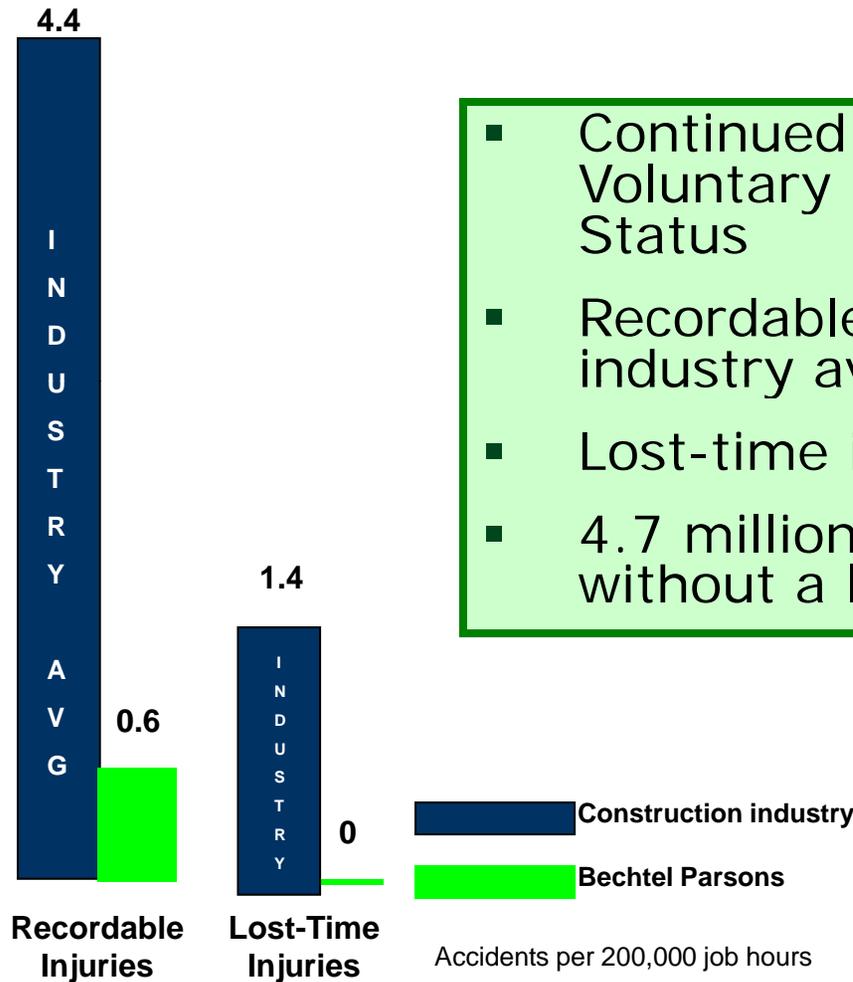
- **The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.**
- **The technology selected by the Department of Defense to destroy the Blue Grass chemical 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.**



Destruction Technology



Safety



- Continued progress toward OSHA Voluntary Protection Program Star Status
- Recordable injury rate 85% lower than industry average
- Lost-time injury rate zero
- 4.7 million job hours and 2,368 days without a lost-time injury



Staffing



- Total employment is 610 (241 local hires)
- Non-manual personnel 429:
 - Richmond, KY: 326
 - Other Locations: 103
- Manual personnel 181:
 - Richmond, KY 168
 - Other locations 13

Economic Impact

- **ACQUISITIONS:** More than \$44 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 averaging more than \$100,000 per week



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
- ✓ Above Ground Utilities
- ✓ MDB Filter Area
- ✓ Lab Filter Area

■ Engineering is 97 % 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)



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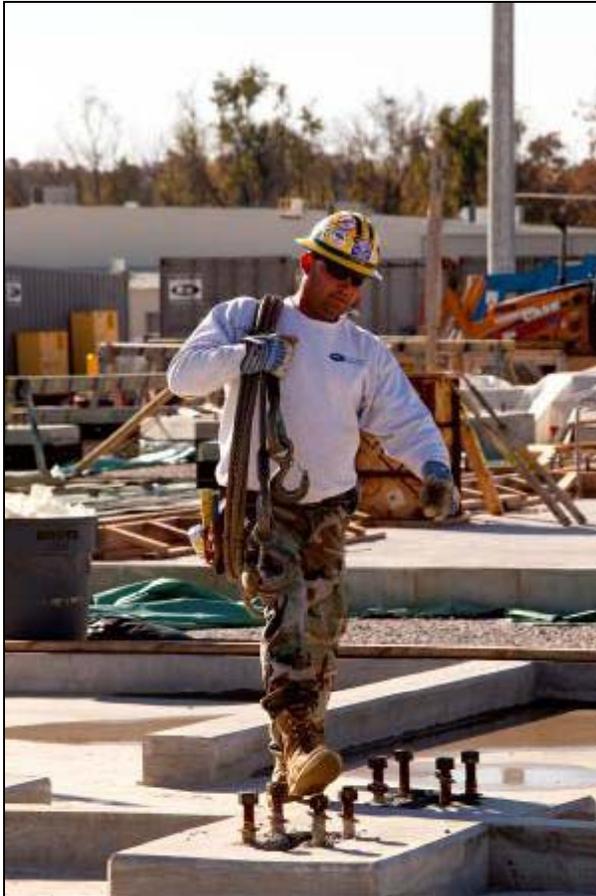
OPSEC completed 10 Dec 2009

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**
- **Mock wall to demonstrate construction techniques**



Construction – Work in Progress



- **Structural steel for Controls and Support Building**
- **Munitions Demilitarization Building foundations and walls**
- **Delivery and unloading of Metal Parts Treater components**
- **Utility power centers**
- **Fire water pump house**
- **Foundation for utility building**
- **Pad for truck “drop and swap” area**

Metal Parts Treater



Components for the Metal Parts Treater began arriving on site in early December from Pasco, WA. This is the first process equipment to be delivered. Progress on structural steel for Control and Support Building is visible in background.



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Water Tanks and Pump House



Work is complete on the two 250,000-gallon water storage tanks, and construction has begun for the pump house.



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Structural Steel



Structural steel is installed for the Control and Support Building.



Munitions Demilitarization Building



Ironworkers place reinforcing steel for walls in the blast containment area of the Munitions Demilitarization Building.



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Truck "Drop and Swap" Area



A large concrete pad is being installed for trucks that will deliver process chemicals to the plant. The area will be used for storing cable and other materials during construction.

Utility Building



Concrete is placed for Utility Building foundation.

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