



Blue Grass Chemical Agent-
Destruction Pilot Plant

Monthly Status Briefing

October 2010



BGCAPP

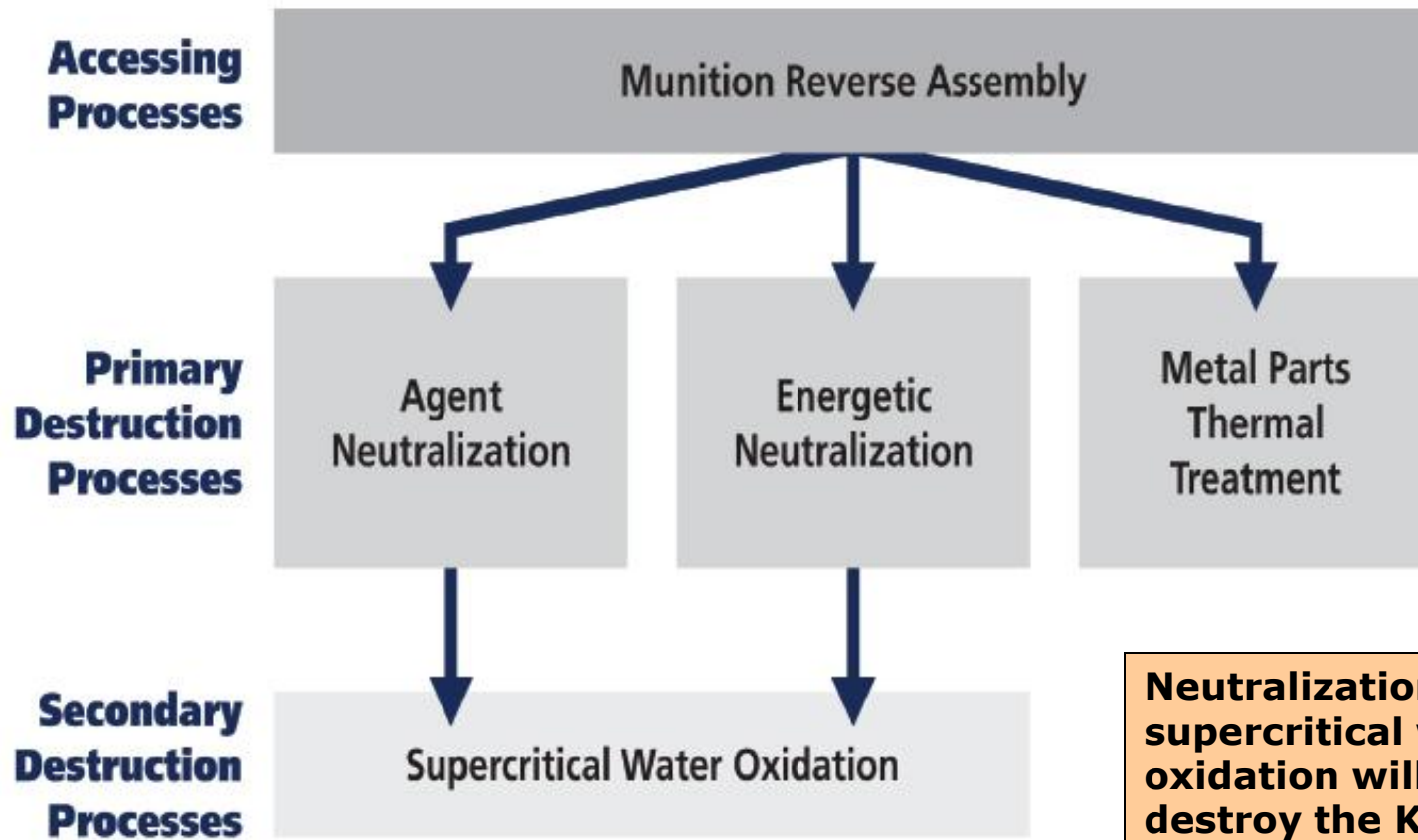
Blue Grass Chemical
Agent-Destruction Pilot Plant

A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

Project Background

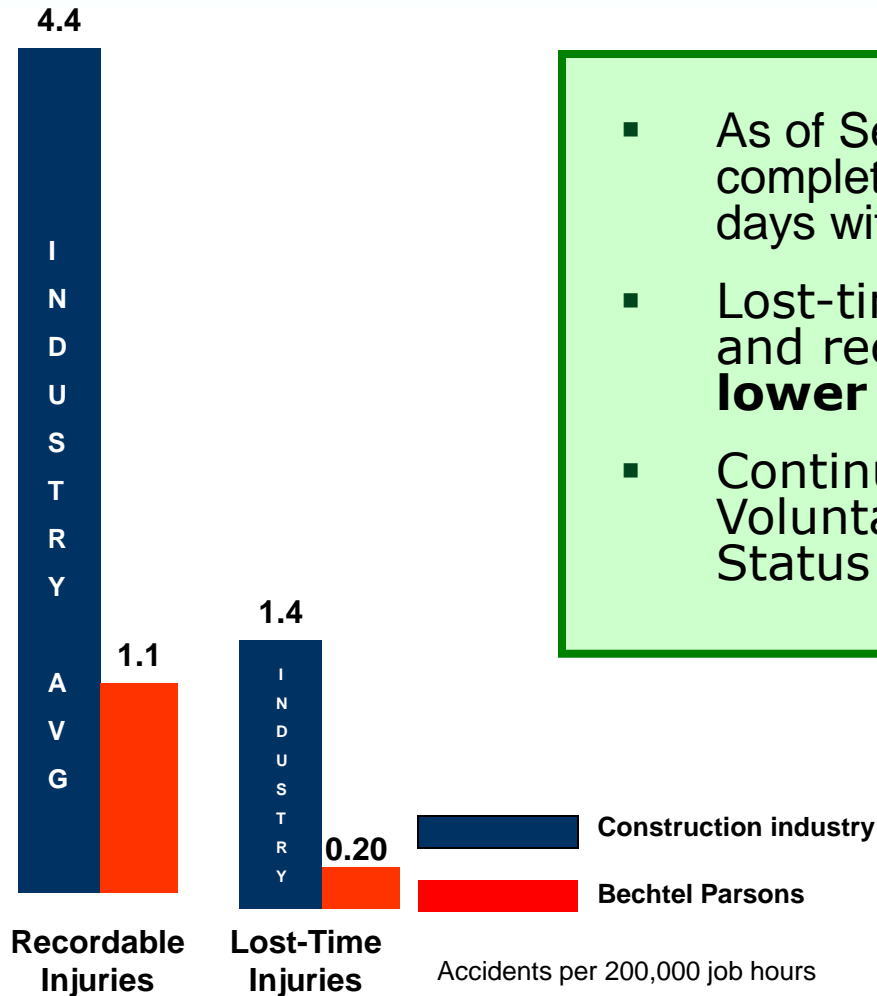
- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.
- The technology selected by the Department of Defense to destroy the Blue Grass chemical weapons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



Neutralization followed by supercritical water oxidation will be used to destroy the Kentucky stockpile.

Safety



- As of September 30, 2010, the project has completed 502,354 project hours and 147 days without a lost time accident.
- Lost-time injury rate **86 percent lower** and recordable injury rate **75 percent lower** than industry average
- Continued progress toward OSHA Voluntary Protection Program Star Status



Current Project Staffing



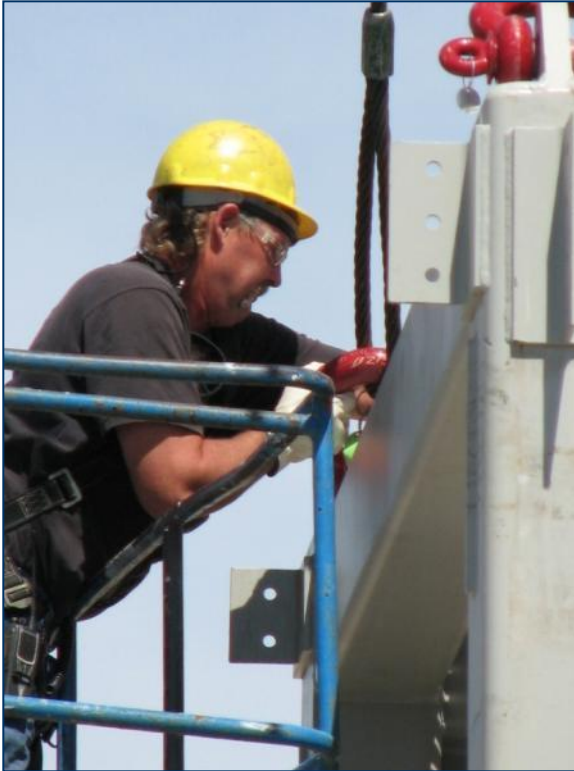
BGCAPP Worker installing structural steel for Control and Support Building.

- **Total project employment 755**

- **Richmond, Ky., 611:**
 - Nonmanual – 369
 - Craft – 242
 - 52 percent local hires

- **Other locations - 144**
 - Pasco, WA
 - San Diego, CA
 - Columbus, OH
 - Frederick, MD

Energetics Neutralization Reactors



BGCAPP worker assists in receiving and placing the Energetics Neutralization Reactors (ENR).



The first two of three ENRs were installed in early September. The ENRs will neutralize explosives that will be removed from munitions.

Construction Work in Progress

- **Munitions Demilitarization Building (MDB)**
 - Blast walls
 - Structural steel
- **Energetics Neutralization Reactors**
- **Electrical system**
 - Substation
 - Power centers
 - Pump house
- **Utility Building**
- **Supercritical Water Oxidation (SCWO) Building**
- **Control and Support Building (CSB) siding**



The first blast walls are placed and form walls removed from the MDB.

Control and Support Building



Installation of structural steel continues on the Control and Support Building as shown to the right. Two Energetics Neutralization Reactors are shown covered on the left.

Utility Building



Siding installation progresses on the Utility Building which will house equipment to produce steam, compressed air, chilled water and hot water for plant operations. The Utility Building is being constructed by M. P. Kelly Construction Company of Richmond.

Supercritical Water Oxidation (SCWO) Building



The first concrete slab is being placed for the SCWO Building.

■ ACQUISITIONS

- More than \$65.6 million spent with Kentucky companies of which \$40 million has been spent in Madison and surrounding counties
- A Subcontractor Information Session was held Oct. 5, to help contractors understand the process and requirements to work on the project.

■ PAYROLL

- Approximately \$175 million of local payroll to date
- More than \$450 million more to be paid remainder of project

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