Monthly Status Briefing

January 2011

BGCAPP
Blue Grass Chemical Agent-Destruction Pilot Plant

A Partnership for Safe Chemical Weapons Destruction

OPSEC Reviewed and Approved 01/13/2011

Project Background

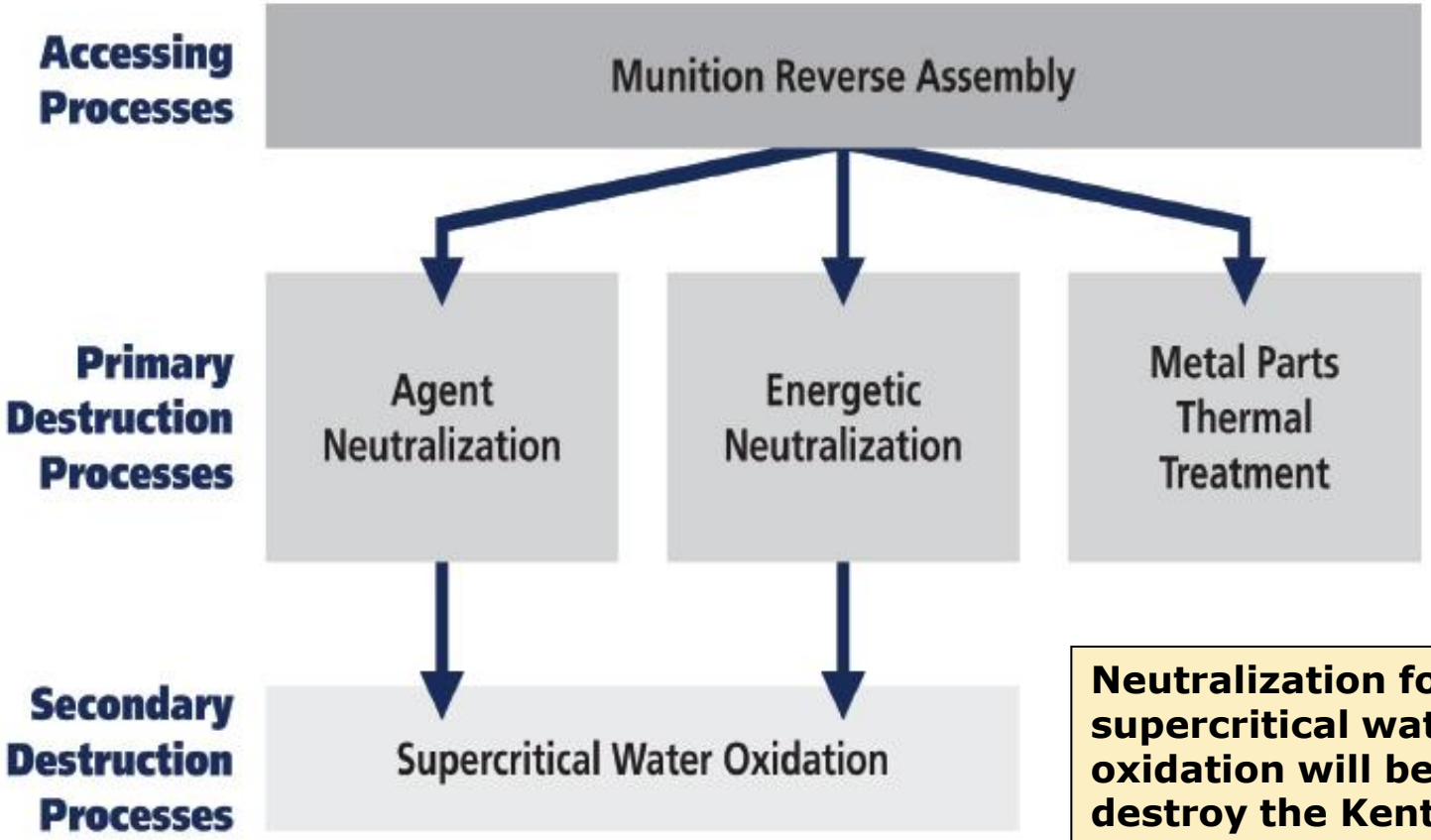
- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.

- 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.

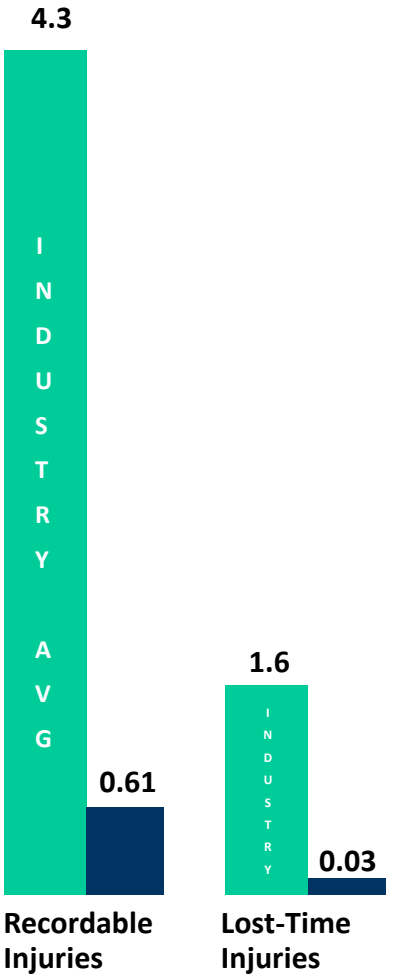
- The Bechtel Parsons Blue Grass Team, a joint venture of Bechtel National, Inc. and Parsons Infrastructure and Technology Group, along with teaming partners URS Washington Division, Battelle Memorial Institute, General Atomics and General Physics, is the systems contractor selected to design, build, 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



- Continued progress toward OSHA Voluntary Protection Program Star Status
- Lost-time injury rate **98 percent lower** and recordable injury rate **86 percent lower** than industry average
- As of December 31, 2010, the project has completed 939,138 hours and 245 days without a lost-time accident.

Current Project Staffing

- **Total project employment—799**
- **Richmond, KY—663**:
  - Nonmanual—367
  - Craft—296
  - Local hires—57 percent
- **Other locations—136**
  - Pasco, WA
  - San Diego, CA
  - Columbus, OH
  - Frederick, MD

Construction craft workers place concrete for a first-level Munitions Demilitarization Building blast wall.

Economic Impact

- **Acquisitions**
  - More than $68.8 million spent with Kentucky companies of which $41.9 million has been spent in Madison and surrounding counties
- **Payroll**
  - Approximately $181 million of local payroll to date
  - More than $446 million more to be paid remainder of project

Construction Work in Progress

- **Munitions Demilitarization Building (MDB)**
  - Concrete blast walls
  - Structural steel
- **Control and Support Building**
  - Structural steel
  - Electrical and piping systems
  - Heating, ventilation and air conditioning (HVAC)
  - Roofing and siding
- **Utility Building (UB)**
  - Electrical systems
  - Interior walls
- **Supercritical Water Oxidation (SCWO) Building**
  - Concrete foundation placements
  - Backfilling footers

The BGCAPP team continued to display visible construction site progress in January.

Munitions Demilitarization Building (MDB)

Construction craft workers (above) completed a key MDB first-level, concrete blast wall placement in early January. The placement opens a pathway for future elevated horizontal concrete placements on a portion of the explosive containment area roof.

Structural steel erection activities (below) continued throughout January in the MDB where the chemical weapons will be disassembled, explosives removed, and the agent neutralized.

Control and Support Building (CSB)

Roof panel installation activities continued at the CSB (above left); meanwhile, progress on interior metal wall studs and electrical cable tray installation (above right) continued inside. Once complete, the CSB will house the control room and integrated control system used to operate BGCAPP.

Supercritical Water Oxidation (SCWO) Building

Construction craft workers completed another SCWO Building concrete foundation placement. The SCWO Building will house the reactors where agent and energetic hydrolysates, a byproduct of the neutralization process, will be subjected to very high temperatures and pressures to destroy the organic materials.

Utility Building

M. P. Kelly Construction Company of Richmond erected the Utility Building (left) which will house equipment to produce steam, compressed air, chilled water and hot water for operations.

Inside the Utility Building (right), craft workers are installing structural steel to support piping systems. Work also continues on the installation of interior walls and lighting.

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