

Monthly Status Briefing-

July 2010



Blue Grass Chemical Agent-Destruction Pilot Plant

BGCAPP
Blue Grass Chemical
Agent-Destruction Pilot Plant

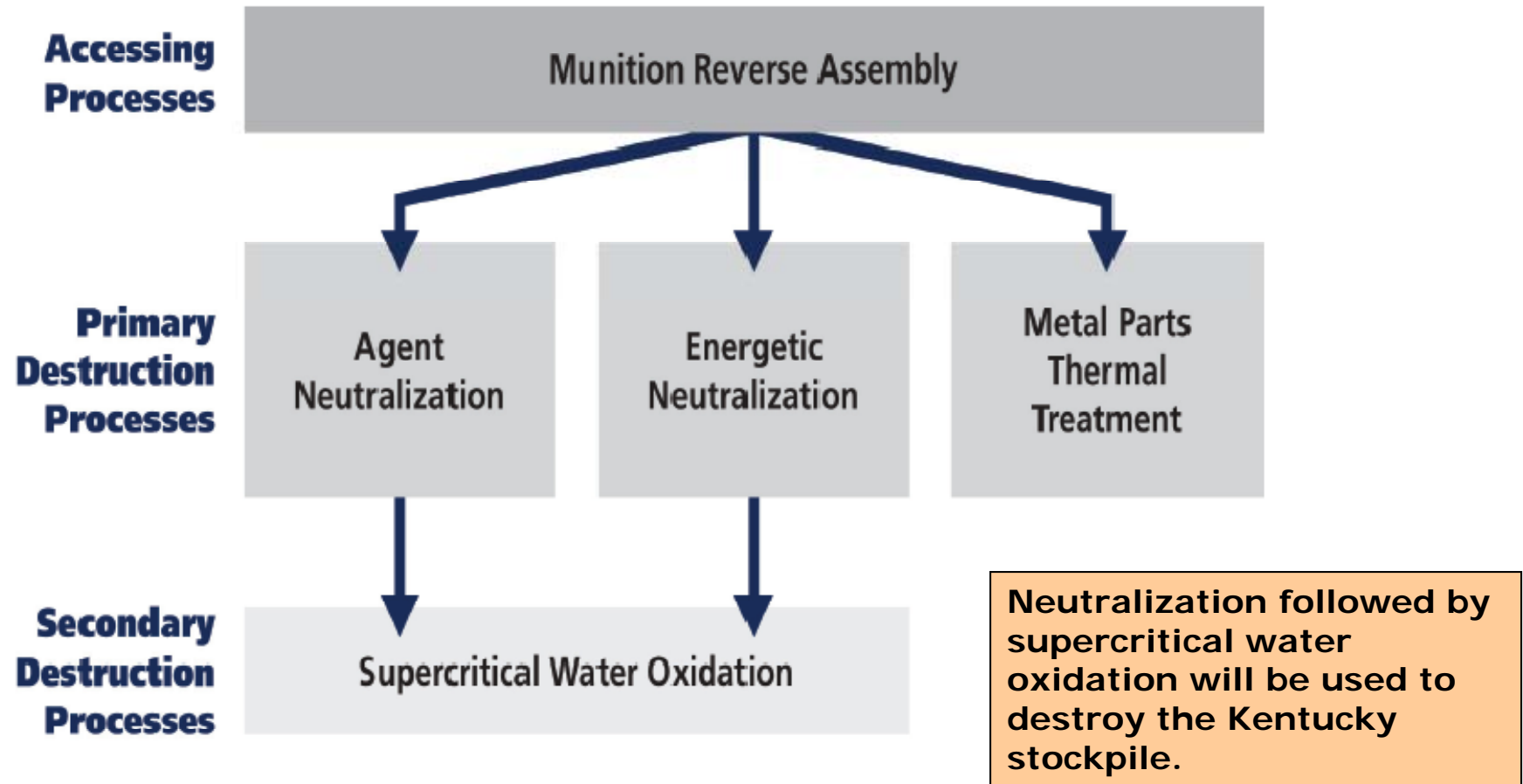
A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

Project Background

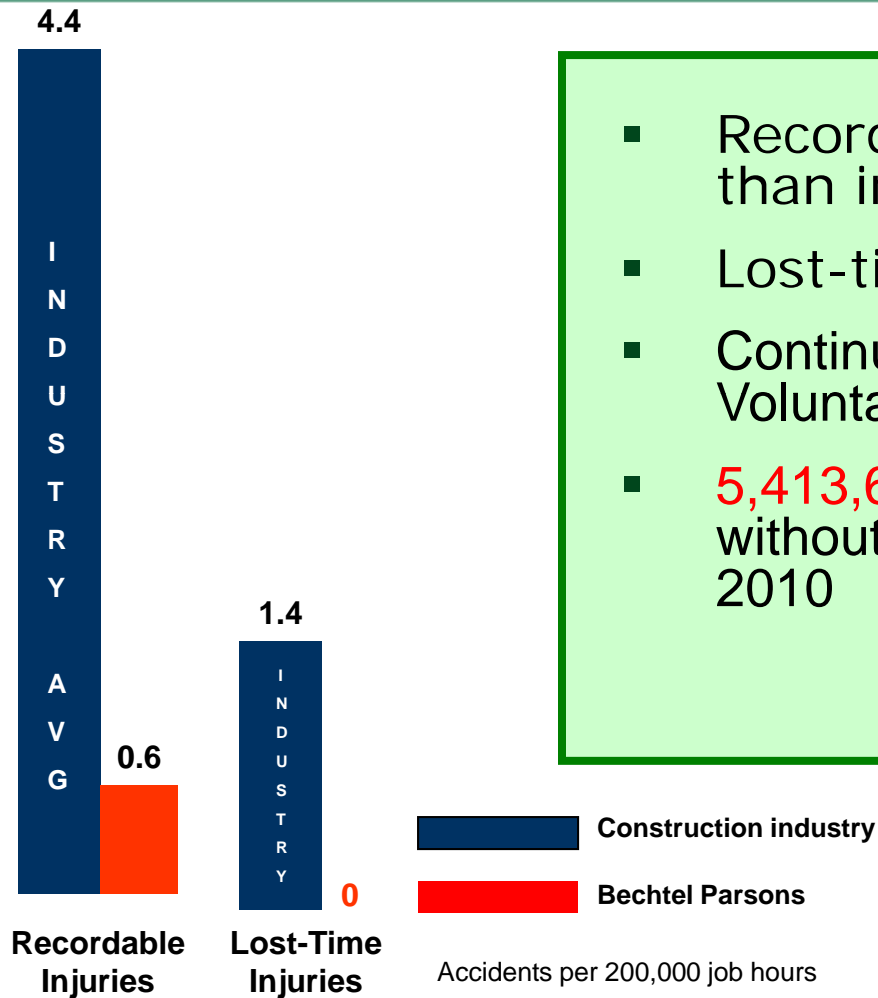
- The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) will safely destroy 523 tons of chemical agent in rockets and artillery projectiles stored at the Blue Grass Army Depot in Richmond, Kentucky.
- The technology selected by the Department of Defense to destroy the Blue Grass chemical weapons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



Safety



- Recordable injury rate **85% lower** than industry average
- Lost-time injury rate **zero**
- Continued progress toward OSHA Voluntary Protection Program Star Status
- **5,413,696 job hours** and **2,576 days** without a lost-time injury as of June 30, 2010



Employment and Subcontracting



Worker installs structural steel for roof of Utility Building.

- Project employment in Kentucky - 570
 - Nonmanual – 365
 - Construction – 205
- 51 percent of the project staff have been hired from local area
- More than \$62 million spent with Kentucky firms since project's inception; \$38 million in Madison and surrounding counties

Final Three Design Packages Completed

Design Packages Completed

- ✓ 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
- ✓ Personnel Support Building
- ✓ Maintenance Building
- ✓ Integrated Control System
- ✓ Fire Protection System
- ✓ Above Ground Utilities
- ✓ MDB Filter Area
- ✓ Lab Filter Area
- ✓ Utility Block
- ✓ Container Handling Building
- ✓ Hydrolysate Storage Area
- ✓ **Entry Control Facility**
- ✓ **Electronic Security System**
- ✓ **Standby Diesel Generators**

Bechtel Parsons submitted the final three design packages in May and June. This completes design, pending comment resolution and final government approval.



Construction -- Work Completed

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



Site photo taken in early July illustrates size and complexity of construction site.

Construction -- Work in Progress

- Munitions Demilitarization Building blast walls and foundations
- Utility power centers
- Fire water pump house
- Utility Building
- Super Critical Water Oxidation (SCWO) building foundation



Utility Building is one of several current construction activities.

Munitions Demilitarization Building Steel

The Munitions Demilitarization Building (MDB) continues taking shape. Shown here is installation of structural steel. The MDB is the main processing building where weapons will be disassembled and chemical agent neutralized.



Munitions Demilitarization Building Walls



Dense reinforcing steel provides strength for walls in blast containment area of Munitions Demilitarization Building. Shown here are engineering and construction personnel planning the first blast wall concrete placement around a heavy steel door.



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SCWO Building



Foundation work is in progress for the Super Critical Water Oxidation (SCWO) building. At left, surveyor marks layout of the building, while another worker (right) prepares to install electrical grounding cables. The SCWO process will treat secondary liquid waste known as hydrolysate, which is generated from the neutralization process.



Utility Building



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



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Firewater Pump House



Work is nearing completion on the fire water pump house, which will supply the plant with water from two 250,000-gallon tanks.

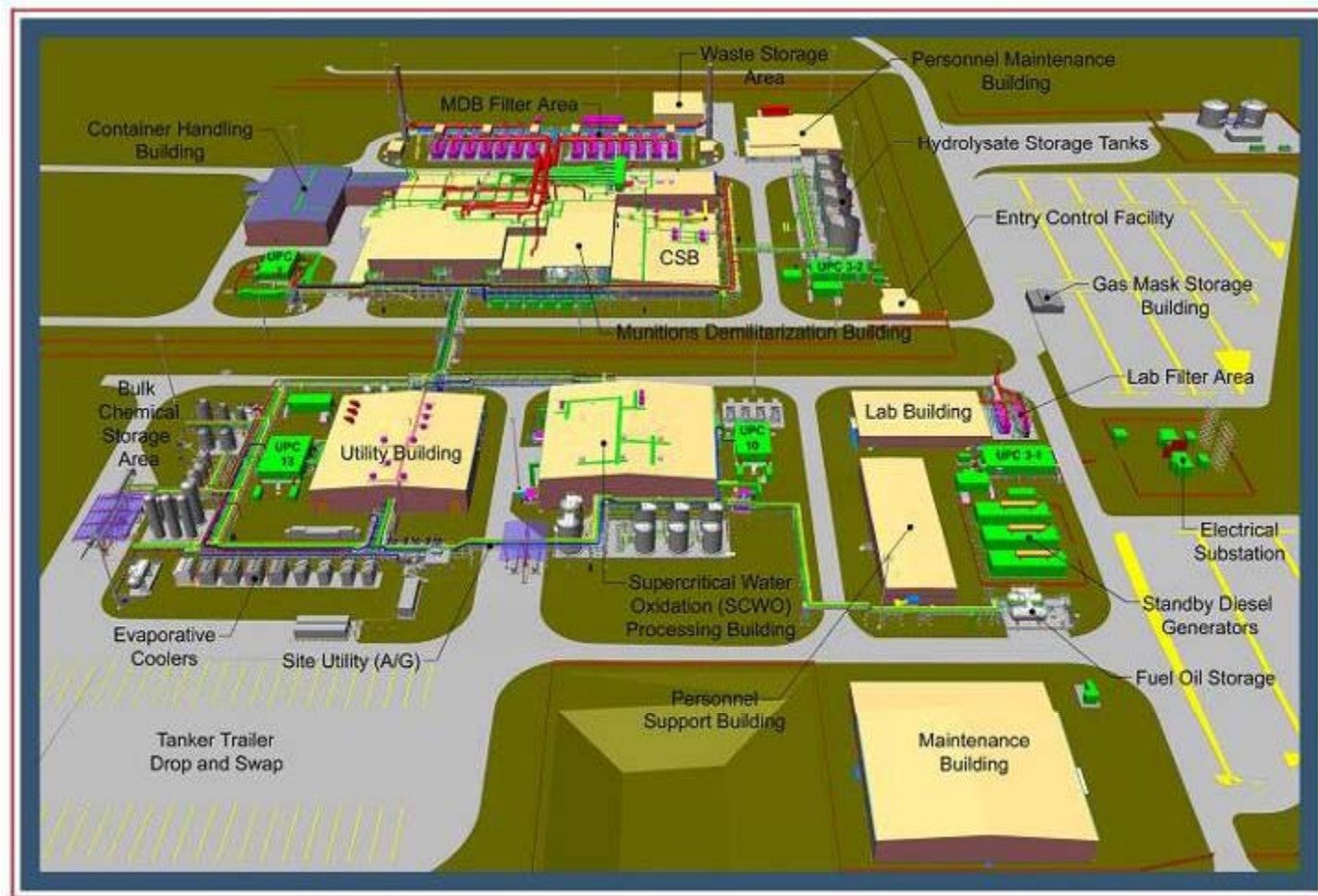
Electrical Cable Reels



Reels of electrical cable are staged at the construction site. When completed the BGCAPP facility will contain more than 7.2 million feet of wiring and cable.



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