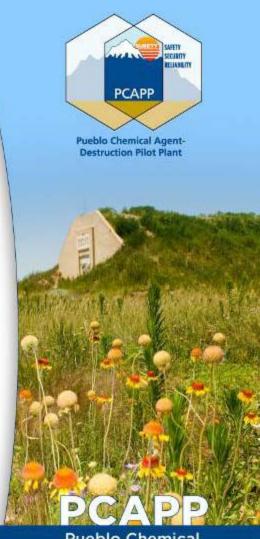
Monthly Status Briefing

July 2010



A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION



Agent-Destruction Pilot Plant



- The Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) will safely destroy 2,611 tons of mustard agent in mortar rounds and artillery projectiles stored at the U.S. Army Pueblo Chemical Depot.
- Neutralization followed by biotreatment is the technology selected by the Department of Defense to destroy the Pueblo chemical weapons stockpile.
- 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 Colorado and Kentucky.
- The Bechtel Pueblo Team (BPT) is a partnership of Bechtel National, Inc., URS, Parsons, and Battelle Memorial Institute. The BPT functions as the systems contractor selected to design, build, systemize, pilot test, operate, and close the PCAPP.



Bechtel Pueblo Team



Systems Contractor

- Project management
- Business services
- Safety and quality



- Design/engineering
- Procurement/subcontracting
- Construction

Teaming Subcontractors



- Systemization
- Pilot testing
- Operations
- Closure

PARSONS

- Process design
- Process equipment fabrication
- Support to systemization and operations

Battelle

- Environmental permitting and compliance
- Laboratory management
- Pilot testing



Staffing



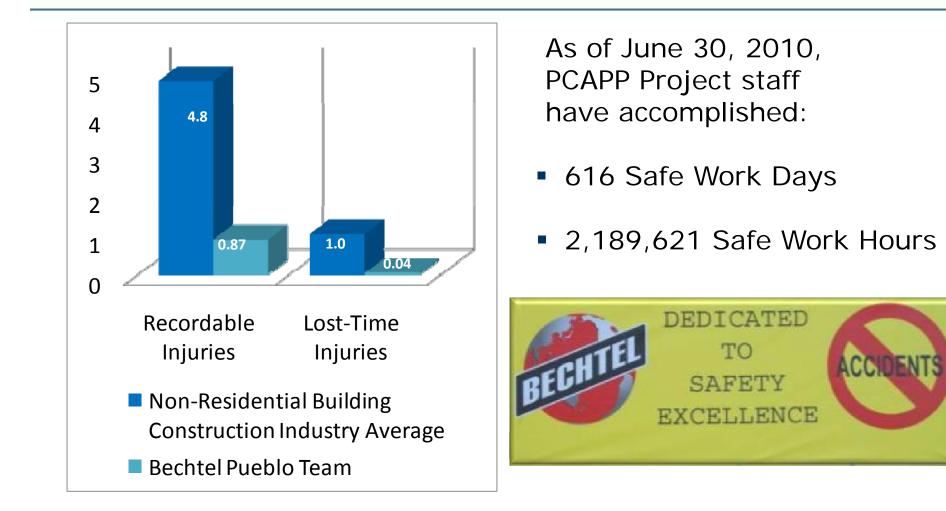
- Bechtel Pueblo Team non-manual: 381
 - Pueblo: 377 (118 local hires)
 - Other locations: 4
- Construction Workers:
 - Bechtel direct-hire: 360
 - Subcontractor personnel: 98













The industry average, provided by the Bureau of Labor Statistics, is based on accidents per 200,000 job hours.

Subcontract Awards Inception to date, as of June 30



\$390.4 Million

\$ 78 Million to Pueblo County Businesses (20%)
\$134 Million to Colorado Businesses (Outside Pueblo County, 34%)
\$178.4 Million to Businesses Outside Colorado (46%)





Acquisition Awards Status



FY 2010 Upcoming Request for Proposals

Materials

- Misc. construction and architectural materials
- Public address/ general alarm system
- Tank agitators
- Treaty trailer facilities
- Misc. piping items

Subcontracts

- Piping equipment and heat tracing
- Enhanced Reconfiguration Building membrane roof liner
- Chemical limited area security fencing
- Asphalting



Destruction Technology



Step 1

REMOVAL OF ENERGETICS

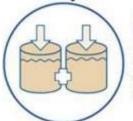
Robotic equipment removes energetics (explosives) from the weapon. The energetics will be disposed of at a permitted facility off site.

Step 2

REMOVAL OF MUSTARD AGENT

The inside of the weapon is remotely accessed, and mustard agent is washed out with high-pressure water.

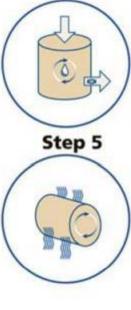
Step 3



NEUTRALIZATION OF MUSTARD AGENT

The mustard agent is neutralized with caustic solution and hot water. The byproduct is called hydrolysate.

Step 4



BIOTREATMENT

The hydrolysate is treated with microbes that break down the solution into water and biosludge. Water is recycled in the plant, and biosludge is shipped for disposal at a permitted facility.

DISPOSAL OF METAL PARTS

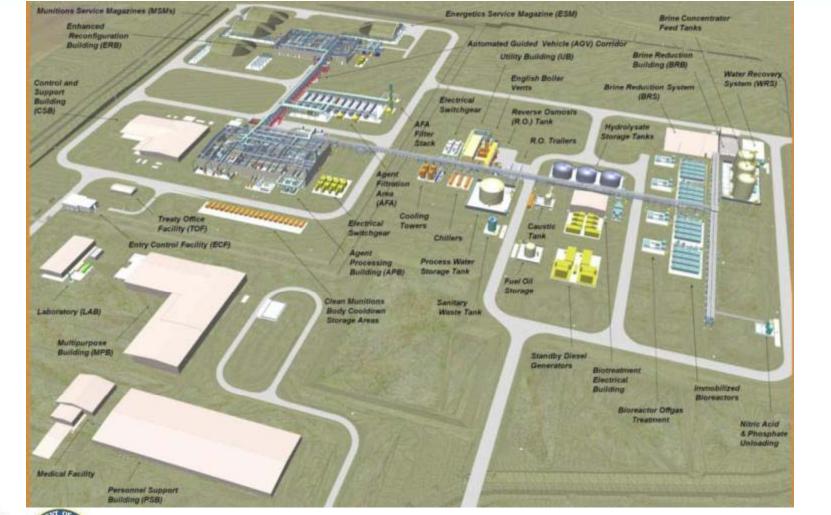
Metal parts are heated to 1,000 degrees Fahrenheit for 15 minutes and can then be recycled.

Neutralization followed by biotreatment will be used to destroy the Colorado chemical weapons stockpile.



Pueblo Chemical Agent-Destruction Pilot Plant—Site Plan







OPSEC Complete 12 July 2010

PCAPP Site Overview





- **Enhanced Reconfiguration Building**
- Automated Guided Vehicle Corridor
- **Agent Processing Building**
- **Biotreatment Area**

5 Air Filtration Area 6

8

- **Munitions Service Magazine**
- **Control and Support Building** 7
 - **Energetics Service Magazine**

1

2

3

4

Construction Status – Complete



- Pre-cast concrete arches for the munitions and energetic service magazines
- Concrete masonry unit walls in the Agent Processing Building
- Entry Control Facility exterior concrete masonry unit walls
- Standby diesel generator foundation
- Immobilized Cell Bioreactor concrete foundation, pads and curbs
- Brine Tank containment walls



Construction Status – In Progress



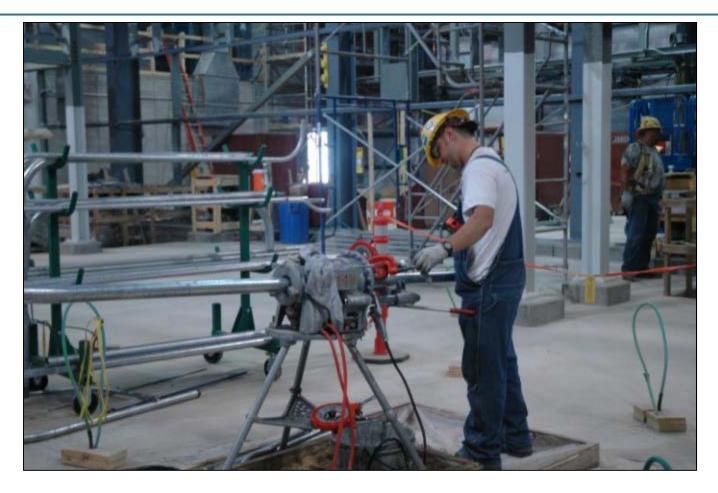
- Energetic Service Magazine & Munitions Service Magazines backfilling, siding and roofing of corridors
- Enhanced Reconfiguration Building—interior composite HVAC (interior and exterior), walls/roof, electrical tray/conduits & equipment set, process piping, mechanical equipment
- Agent Processing Building—Misc. platform erection, HVAC, cable tray, process piping, electrical and mechanical equipment, wall/floor coatings & composite walls
- Balance of Facilities—cable tray, underground duct banks and supports, pipe rack piping, various mechanical equipment set, misc. concrete equipment foundations, diesel generator assembly, G-block entrance (roads and gates)
- Subcontractors—HVAC, fire protection, architectural, coatings, insulation, Chemical Limited Area fencing, membrane roofing
- Control Support Building—HVAC, fire protection, interior wall framing, architectural finishes, electrical systems/ equipment & fire protection
- System turnover—Electrical power distribution system



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Agent Processing Building







An electrician prepares conduit for electrical cable inside the Agent Processing Building.

Enhanced Reconfiguration Building





Piping, electrical work and structural steel make up the explosion containment rooms discharge area.



OPSEC Complete 12 July 2010

Energetic Service Magazine Corridor Enclosure





Workers install roof panels atop the Energetic Service Magazine corridor.



Munitions Service Magazines





Structural steel outlines the corridor to the munitions service magazines.



Munitions Service Magazines







Workers install formwork on one of the Munitions Service Magazines.

OPSEC Complete 12 July 2010

Utility Area





Two filter stacks from the boilers will provide heat to the entire facility.



Utility Area





A base plate for the standby diesel generator is off-loaded in the utility area.



Contact Information



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