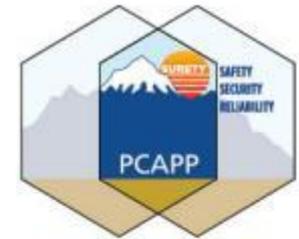


Monthly Status Briefing

November 2015



Pueblo Chemical Agent-Destruction Pilot Plant



Program Executive Office
Assembled Chemical Weapons Alternatives



PCAPP

Pueblo Chemical Agent-Destruction Pilot Plant

www.peoacwa.army.mil



A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

Project Background



The Program Executive Officer, 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 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 (PCD).

- Neutralization followed by biotreatment is the technology selected by the Department of Defense to destroy the Pueblo chemical weapons stockpile.



The Bechtel Pueblo Team (BPT) is a partnership of Bechtel National, Inc., AECOM, 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: **1,231**

- Pueblo County local hires: 432
- Colorado hires (outside Pueblo County): 146
- From other locations: 653

Employment Opportunities



Positions Currently Available:

AECOM

Deputy Plant Manager (FS106949)
I&C Technician (FS106455)
Ordnance Technician (FS106500)
Shift Safety Representative (FS105563)

Battelle

Research Scientist—Operations QC Inspector (30640)
Research Scientist—GC/FPD/MSD Operator (29582)
Demil Tech III—Monitoring Technician (27240)
Demil Tech IV—Environmental Compliance Representative (26880)

Bechtel

Mechanical Engineer (136722)
Senior Control Systems Administrator (131819)
Nurse Practitioner/Physician Assistant (114391)
Nurse Practitioner/Physician Assistant (114389)
Operations Shift Clerk (143421)
Hazardous Waste Shipper (141019)

GP Strategies

File Clerk (9770)

Hotline

(719)549-4003

Website

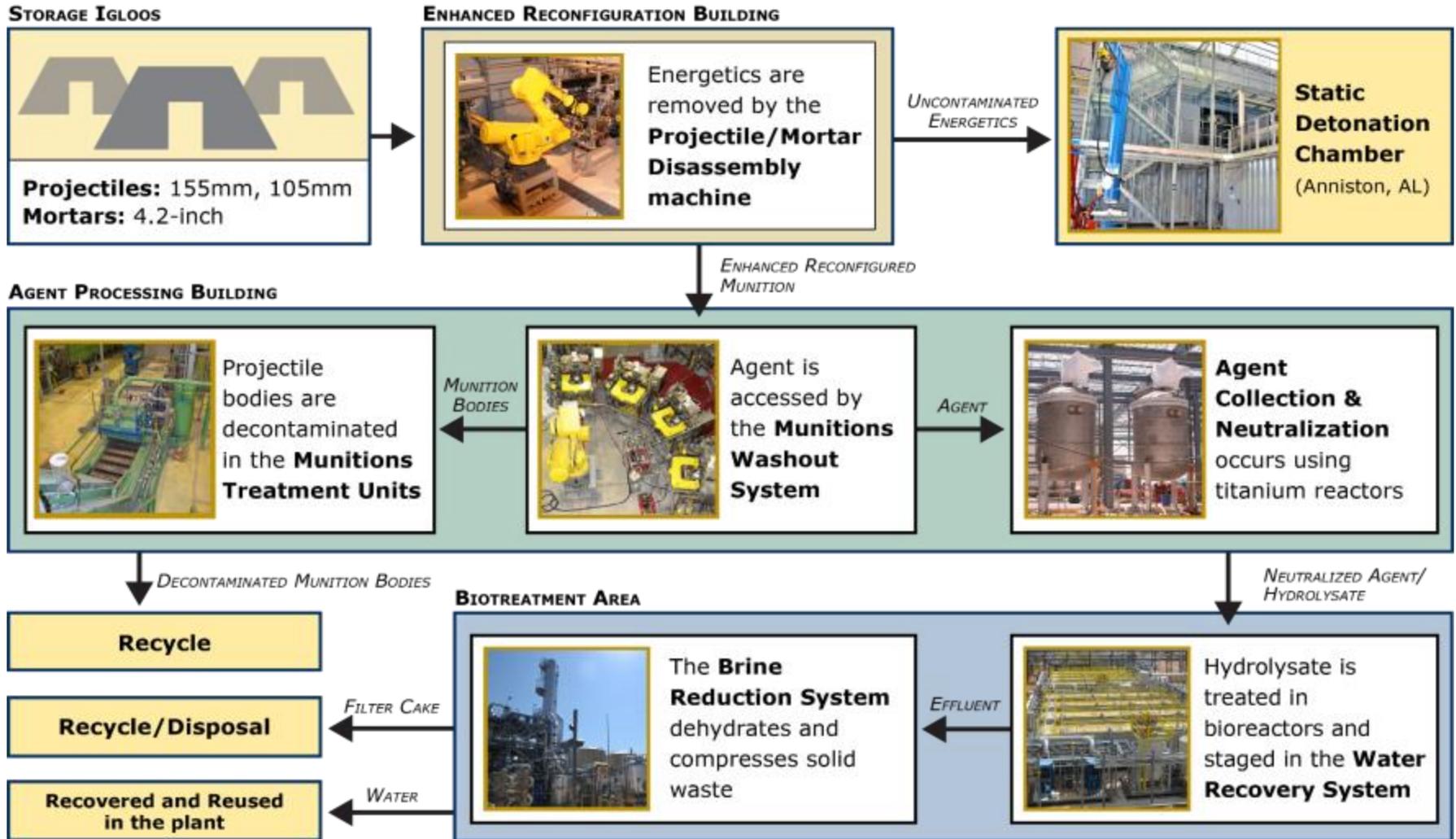
<http://pueblo.bechtel.com>

- *Star Status* granted in the Dept. of Labor's Occupational Health and Safety Administration's Voluntary Protection Plan
- Lost-workday case rate is **0.07**
- The current total recordable injury rate (TRIR) for the year to date (YTD) is **0.27**, which is well below the general industry average of **3.4** and the Waste Management Industry rate of **4.7**.



PCAPP was re-certified as a VPP Worksite on April 28, 2015

PCAPP Process



Explosive Destruction System

As of 14 November 2015, EDS has destroyed 10 DOT bottles, 255 105mm projectiles, 128 155mm projectiles and 42 4.2-inch mortar rounds



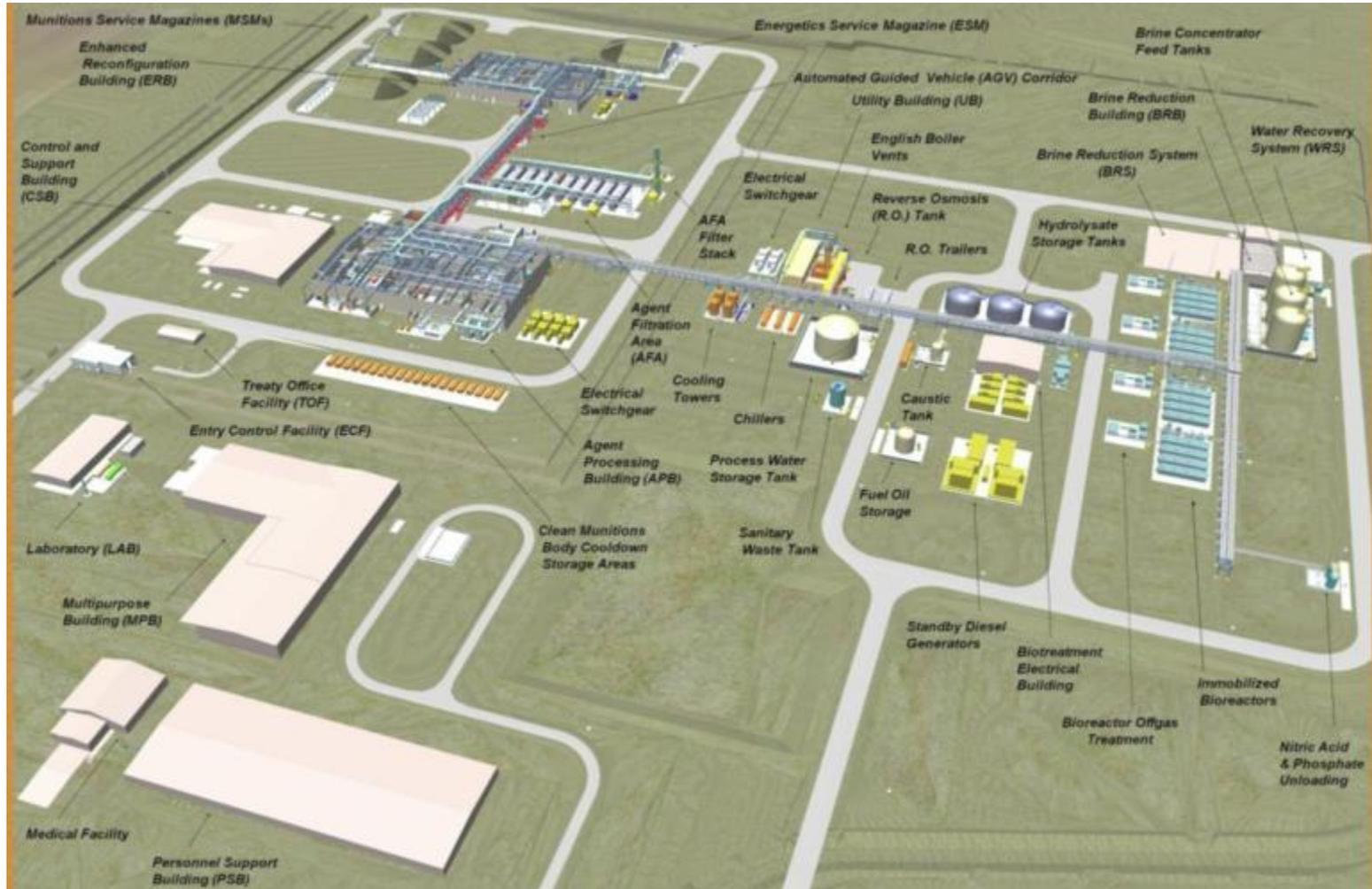
- EDS uses explosive “cutting” charges to access the chemical agent inside a munition; neutralization chemicals are then added to destroy the chemical agent

- The Army’s Explosive Destruction System (EDS) is augmenting the Pueblo pilot plant’s automated destruction technology
- EDS is being used to destroy problematic munitions that are unsuited for automated processing



March 18, 2015 – The first mustard agent from the Pueblo stockpile to be destroyed is loaded into the EDS.

Pueblo Chemical Agent-Destruction Pilot Plant—Site Plan



PCAPP Site Overview



Northwestern Corner - Observation Point

- 1 Enhanced Reconfiguration Building
- 2 Automated Guided Vehicle Corridor
- 3 Agent Processing Building
- 4 Biotreatment Area
- 5 Agent Filtration Area
- 6 Munitions Service Magazine
- 7 Control and Support Building
- 8 Munitions Service Magazine Corridor

Turnover to Operations

As the project transitions from systemization to operations, the following systems have been turned over:

Systems

Toxic Storage and Spent Decon
Bulk Chemical Storage and Distribution
Security Essential Power Supply
Laboratory Ventilation System
Site Water System
Chilled Water System
Reverse Osmosis System
Process Water System
Instrument Air and Plant Air
Natural Gas
Fuel Oil System
Sanitary Waste
Enhanced Reconfiguration Building/Agent
Processing Building Material Handling Systems
Munitions Unpacking and Projectile Disassembly

Lighting System
Steam and Condensate System
Breathing Air System
Communications System/CCTV
Residue Handling
Munitions Washout System
Automated Guided Vehicles
Supplemental Decontamination Unit
Power/Power Distribution
Standby Diesel Generators
Secondary Waste Treatment
Agent Filtration Area*
No-Essential (Utility)*
Essential Power*
Plumbing and Drains*



To learn more about Systemization, watch the video at
http://www.peoacwa.army.mil/info/video/systemization_yt.html

Turnover to Operations

As the project transitions from systemization to operations, the following facilities have been turned over:

Facilities

Biotreatment Electrical Building
Brine Reduction System Facility
Analytical Laboratory
Medical Facility
Multipurpose Building
Personnel Support Facility
Utility Building
Control and Support Building
Entry Control Facility
Munitions & Energetics Service Magazines
Treaty Office
Laundry Facility



*Newly added

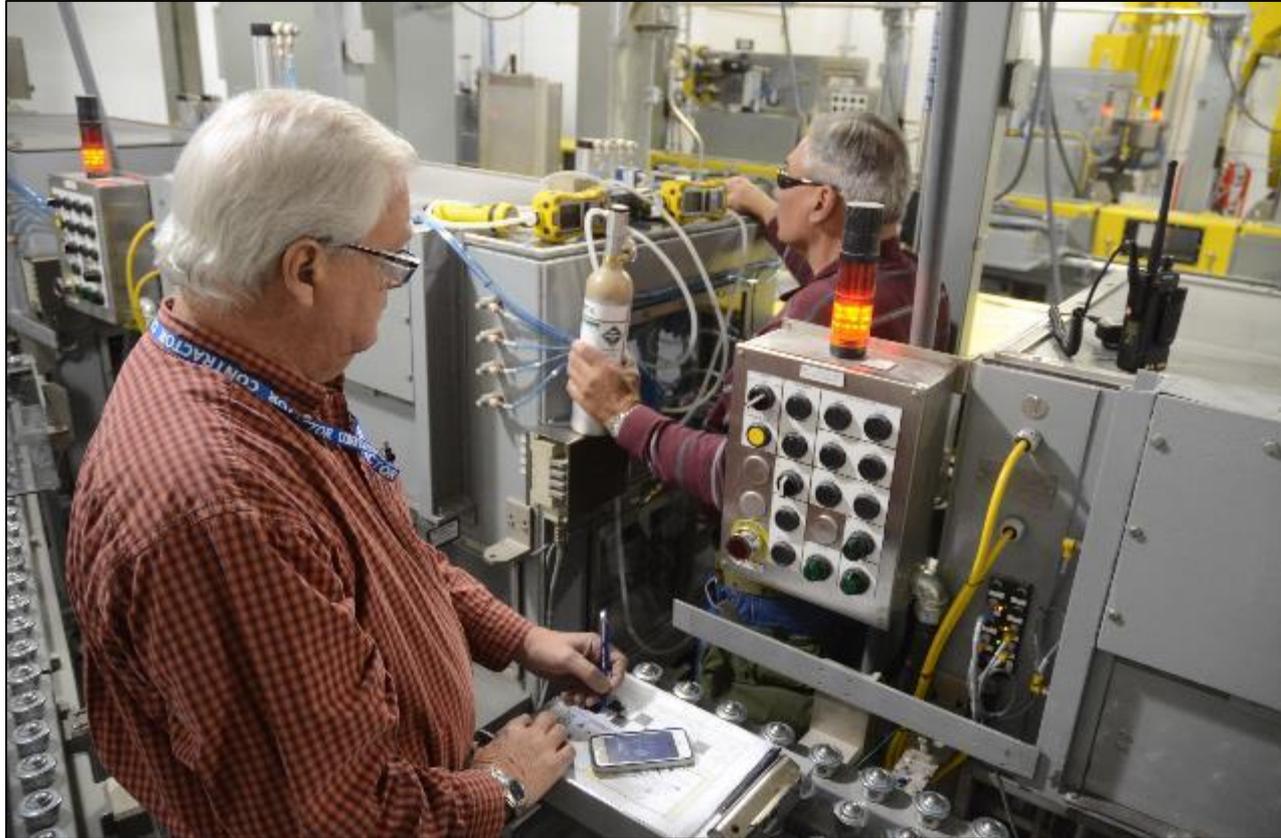
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Suit Sealers on Site



Demilitarization Protection Ensemble (DPE) Suit Sealers (left) seal entrants inside of DPE suits (right) by using a radio frequency to seal the rear openings. Two types of suits will be used at PCAPP, a sealed suit that requires the suit sealer shown above and a Zipper suit, depending on the agent readings in the work area.

Smoke Testing Continues



Safety Specialist John Davey and Safety Supervisor Mark Langlois perform a smoke test to find the optimal locations for the distal ends of the minicams. The testing involves finding the travel routes of the smoke within the HVAC system.

1,000th Mask Fit Test Issued



Personal Protective Equipment (PPE) Technician Olivia Pringle performs the 1,000th mask fit test on PPE Technician Catherine Leffler.

The Operations Support Team is busy getting employees tested and fitted for M40 masks.

Turning Over Systems to the Operators



Cognizant Systems Engineer Andrew Billerbeck, Operations Superintendent Bryan Greasor and Control Room Operator Tyler Wood accept the plumbing and drain systems from Control Room Operator Gary Allen and Turnover and Startup Coordinator Chris Robie.

Contact Information



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Communications Manager

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Public Affairs Officer



Program Executive Office
Assembled Chemical Weapons Alternatives

