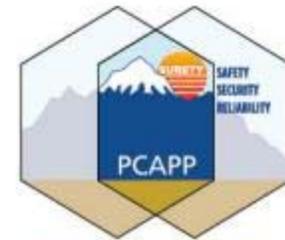


Monthly Status Briefing

October 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.



Staffing



Bechtel Pueblo Team:
1,290

- Pueblo County local hires: 409
- Colorado hires (outside Pueblo County): 147
- From other locations: 734

Employment Opportunities



Positions Currently Available:

AECOM

I&C Technician (FS106455)
Shift Safety Representative (FS105563)
Waste Management Manager (FS106359)

Battelle

Demil Tech IV—Work Control Coordinator (28140)
Researcher—Operations QC Inspector (26860)
Principal Research Scientist—Statistician (27846)
Demil Tech III—Monitoring Technician (27240)
Demil Tech IV—Environmental Compliance
Representative (26880)
Researcher—Monitoring QC Inspector (26300)

Bechtel

Paramedic (139121)
Quality Control Inspector (139246)
Janitor (131485)
Janitor (122280)
Control Systems Engineer (136960)
Senior Control Systems Administrator (131819)
Nurse Practitioner/Physician Assistant (114391)
Nurse Practitioner/Physician Assistant (114389)

Hotline

(719)549-4003

Website

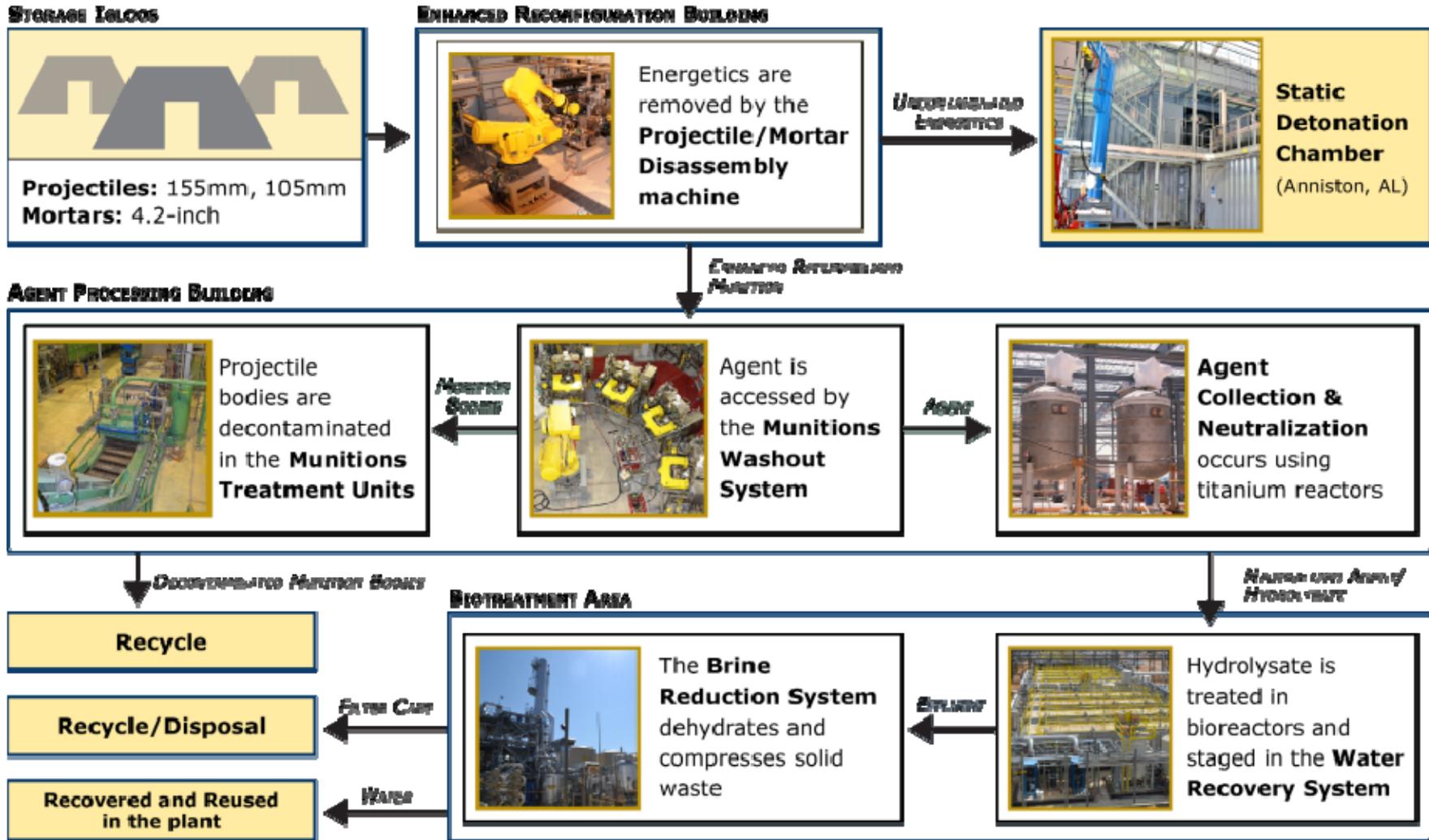
<http://pueblo.bechtel.com>

- *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 16 October 2015, EDS has destroyed 10 DOT bottles, 255 105mm projectiles, 64 155mm projectiles and 42 4.2-inch mortar rounds



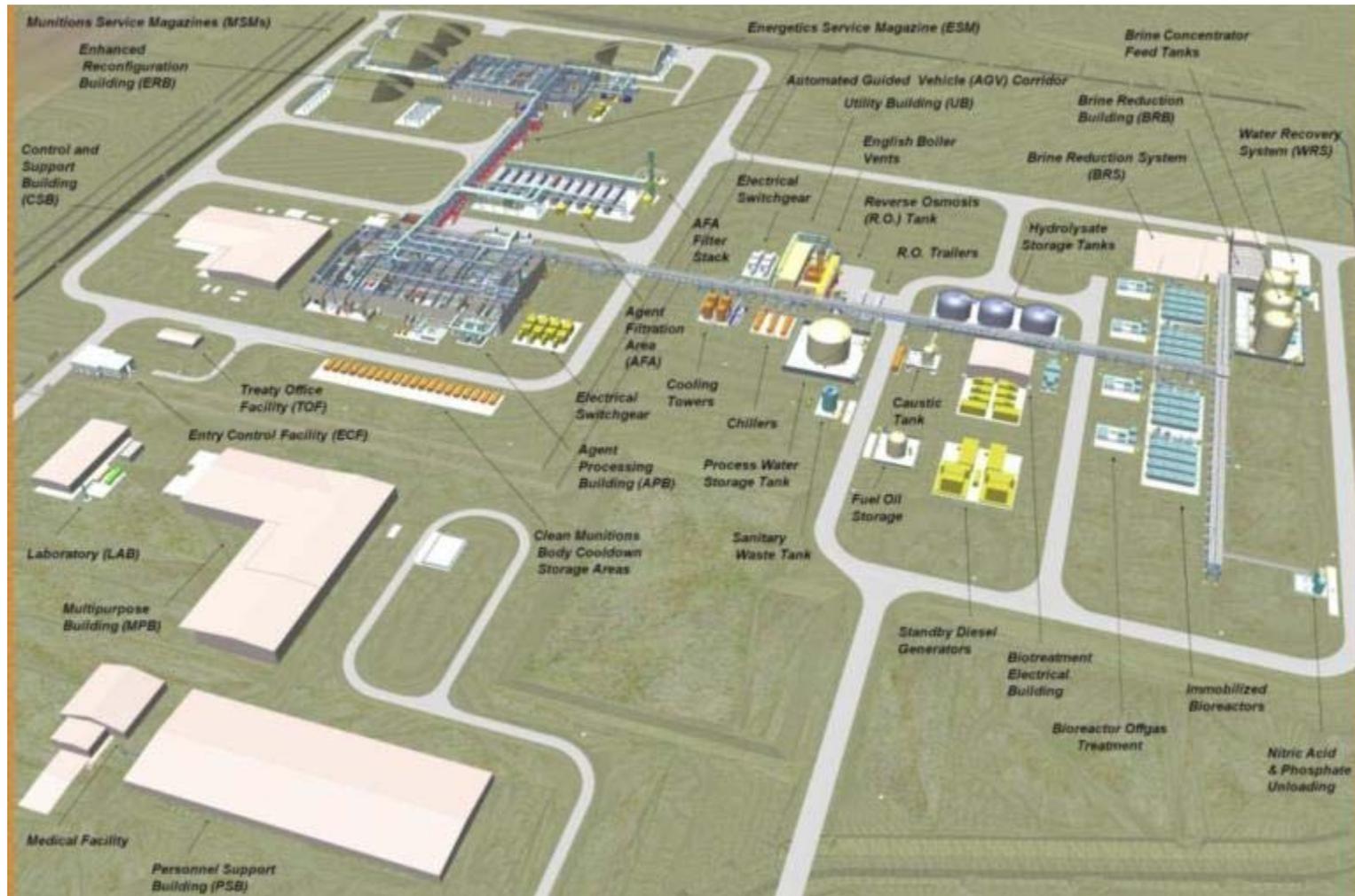
- The Army's Explosive Destruction System (EDS) is augmenting the Pueblo pilot plant's automated destruction technology
- EDS is being used to destroy problematic munitions that are unsuited for automated processing

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



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 | 5 | Agent Filtration Area |
| 2 | Automated Guided Vehicle Corridor | 6 | Munitions Service Magazine |
| 3 | Agent Processing Building | 7 | Control and Support Building |
| 4 | Biotreatment Area | 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*



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



*Newly added

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

Drills Continue to Test Readiness



Workers inside the Control Room observe how Control Room operators react to a global loss of power on the PCAPP site, one of many scenarios being practiced in the event of an unplanned emergency.

Backup Power Distribution



Plant operators review the transfer switch for backup power to the Munitions Service Magazine and Energetics Service Magazine igloo filtration units.

New Compressor Enclosure



Operators perform rounds and readings on the instrument air compressors, located inside the newly constructed compressor enclosure.

Carbon Bed Sampling



In the Agent Filtration Area, workers run electrical conduit for the new carbon sample assemblies. The assemblies have heat trace on them to keep them warm during the winter.

Contact Information



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